



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, Sept 17, 2020*

AGENDA

1. ISSUES FOR DECISION

- 1.1 [PMC Extension with TEMES for Dededo CT, Macheche CT & Yigo CT/Resolution 2020-19](#)

2. GM REPORT

- 2.1 [Updates](#)

3. ISSUES FOR DISCUSSION

4. OTHER DISCUSSION

5. DIVISION REPORTS

- 5.1 [Administration: Customer Service, HR, Procurement, Safety](#)
5.2 [Communications](#)
5.3 [Engineering & Technical: Engineering, IT, Planning & Regulatory, SPORD](#)
5.4 [Finance](#)
5.5 [Operations: Facilities, Generation, PSCC, T&D, Transportation](#)

6. ANNOUNCEMENTS

- 6.1 [Next Meeting: CCU Meeting- September 22nd](#)

7. ADJOURNMENT

PERFORMANCE MANAGEMENT CONTRACT FOR DEDEDO CT, MACHECHE CT AND YIGO CT

Contract Extension

SEPTEMBER 2020

CURRENT CONTRACT

- Commenced March 1, 2016
- Expires on February 28, 2021
- Option to Extend allows GPA to extend for
 - *An initial 3-year period & an additional 2- year period (total of 5 years)*
 - *GPA can select which plants will be included in the extension*

CRITICAL WORK COMPLETED

- Yigo CT Turbine Exchange, completed July 6, 2016
- Macheche Ct Turbine Exchange, completed Nov. 12, 2016

**Ensured 40 MW Capacity Available*

- Dededo CT #1 and CT#2 Rehabilitation – completed May 2017

Work completed within first 15 months of contract

Major Maintenance Work

- DCT Charger replaced to ensure and backup DC power supply
- DCT Switchgear room ventilation improvement
- MCT major overhaul
- MCT Injection water treatment system upgrade (RO-EDI)
- YCT Turbine Compressor Section (VSV system) Overhaul

Issues Identified & Changes Requested

- Shortage of Experienced Technical Employees
 - Current manpower is short from what is needed to operate plant
- Delayed Projects:
 - Rebuilding Yigo CT Water Treatment Building with fire protection system
 - Dededo CT#1 Water Injection pump/gearbox/coupling/motor installation and refurbishment
 - Yigo CT neutral ground resistor upgrade & water treatment facility upgrade
 - Macheche & Yigo CT Battery System Upgrade

Recommended Projects for Extension Year

- Yigo CT Generator Overhaul
- Fire Protection/Fire Suppression System Inspection, Repair & Re-certification, Macheche and Yigo CT
 - Recommended by Insurance Risk Engineer & GPA Safety
- Yigo CT Raw Water Tank T-460 Stairway Upgrade
- DCT Generator Cooling System Improvement
- MCT and YCT Service and Instrument Air Compressor Skid Replacement
 - Existing equipment are old & no spare parts available

Recommended Projects for Extension Year

- Dededo CT Turbine Main Atomizing Air Compressor Overhaul Work and Refurbishment
- YCT MCC#2 and MCC#3 Upgrade
- Dededo CT#2 Hydraulic Torque Converter Overhaul
- MCT and YCT Turbine Borescope Inspection & Hot Section Exchange
- MCT Control System Upgrade
 - Parts no longer supported; unavailable

UNIT AVAILABILITY

- Minimize Unit Downtime
 - Issues with equipment maintenance due to spare parts being obsolete & hard to find
 - Need to expedite purchasing of parts; consider long-term contract with parts OEMs, etc.
 - Need to partner with experienced LM2500 Technicians

FEES

	Current Contract
Fixed Mgmt	\$703,687
Routine O&M	\$549,756
	\$1,253,443

Extension	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Mgmt	\$774,056	\$797,278	\$821,196	\$845,832	\$871,207
Routine O&M	\$604,731	\$622,873	\$641,560	\$660,806	\$680,631
	\$1,378,788	\$1,420,151	\$1,462,756	\$1,506,638	\$1,551,838
	10%	3%	3%	3%	3%



GUAM POWER AUTHORITY
 ATURIDĀT ILEKTRESEDĀT GUAHAN
 P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issues for Decision

Resolution No. 2020-19:

Relative to Authorizing the Management of Guam Power Authority to Extend the Performance Management Contract for GPA's Combustion Turbine Power Plants

What is the project's objective? Is it necessary and urgent?

The GPA Combustion Turbine Power Plants provide additional capacity to support GPA's daily MW requirements, especially during major outages for the baseload units. Additionally, the Macheche and Yigo CT units are being dispatched daily to support system stability during the operation of GPA's 25-MW Solar Power Plant. The current PMC ensured that critical projects such as the rehabilitation of the Dededo CT #1 and #2, and turbine exchanges for Macheche CT and Yigo CT were completed, providing 80 MW of reliable additional capacity during critical periods beginning May 2016, through today. Partnering with the PMC allows for more efficient completion of critical projects, receiving technical advice on operations and maintenance, and sourcing of materials and resources.

Where is the location?

The PMC will manage Dededo CT, Macheche CT and Yigo CT, totaling 80 MW.

When will it be completed?

The extension will be for three (3) years, starting March 1, 2021, with an option to extend for another two (2) years after February 28, 2024.

What is its funding source?

Fixed Management Fees and O&M Budgets will be funded through revenue funds – O&M. CIP will also be funded through revenue funds, but will subject first to GPA review and approval.

The RFP/BID responses:

Negotiations with TEMES as provided for in existing contract.

	<u>Current</u>	<u>Year 6</u>	<u>Year 7</u>	<u>Year 8</u>	<u>Year 9</u>	<u>Year 10</u>
Fixed Mgmt	\$703,687	\$774,056	\$797,278	\$821,196	\$845,832	\$871,207
Routine O&M	\$549,756	\$604,731	\$622,873	\$641,560	\$660,806	\$680,631
TOTAL COST	\$1,253,443	\$1,378,788	\$1,420,151	\$1,462,756	\$1,506,638	\$1,551,838
% Increase		10%	3%	3%	3%	3%



CONSOLIDATED COMMISSION ON UTILITIES

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RESOLUTION NO. 2020-19

**AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE PUC
AND AWARD SERVICES FOR A PERFORMANCE MANAGEMENT CONTRACT FOR GPA'S
COMBUSTION TURBINE POWER PLANTS**

WHEREAS, the Guam Power Authority (GPA) has utilized Performance Management Contracts (PMC) for the management, operations, and maintenance of the base load power plants; and

WHEREAS, PMCs have provided GPA valuable assistance for continued operation and maintenance of power plants, including completion of major projects to meet availability, reliability, and efficiency standards; and

WHEREAS, GPA has 25 MW in Solar PV Renewables contributing to the island-wide power system, and the impact of major surges or intermittency in the day from these renewable energy supply requires the dispatching of units that can react quickly to the surges, such as the Combustion Turbine units; and

WHEREAS, GPA intends to continue the addition of renewable energy to its power system, through projects such as the Phase II and Phase III of Renewable projects; and

WHEREAS, GPA, through Resolution NO. 2015-46 completed Invitation for Bid GPA-001-16 for a Performance Management Contract for GPA's Combustion Turbine Plant and through Resolution 2016-02, awarded the contract to Taiwan Electrical and Mechanical Engineering Services (TEMES) Guam, Inc; and

WHEREAS, through the current PMC contract with TEMES, the Dededo Combustion Turbine Units CT1 and CT2 were re-commissioned and placed into operation within 15 months after commencement of the PMC, providing an additional 40 MW of capacity especially during baseload outages during major maintenance periods; and

WHEREAS, major maintenance work was completed for Macheche CT and Yigo CT units, which allowed these units to continue to respond to the intermittency and support system stability when renewable resources are online; and

WHEREAS, additional work for the units are being programmed, to ensure reliability over the next few years until GPA's new power plant commences operation; and

WHEREAS, the Operations and Maintenance budget represents the PMC's maximum costs necessary for routine O&M activities required for plant operations and is paid on a reimbursement basis; and

31 **WHEREAS**, the current PMC with TEMES Guam, Inc. will expire on February 2021; and

32 **WHEREAS**, the contract includes an extension clause that allows GPA to extend the contract with
33 TEMES for an additional 3-year period with a further extension option of 2 years (total of 5 years); and

34 **WHEREAS**, a PMC would help GPA to expeditiously assess the units, make the necessary repairs, and
35 render the units available to meet system demand with a contractor that is already familiar with the unit's
36 conditions and operations; and

37 **WHEREAS**, approval is requested to allow the General Manager to petition the PUC to approve the
38 extension of the Performance Management Contract for the Combustion Turbine Power Plants with TEMES
39 for a total of five (5) years.

40
41 **NOW THEREFORE, BE IT RESOLVED**, by the CONSOLIDATED COMMISSION ON UTILITIES as the
42 governing body of GPA, and subject to the review and approval of the Public Utilities Commission as follows:

- 43
44 1. The General Manager is authorized an increase in obligating authority in the amount of
45 \$7,320,171 to fund the 5-year extension of the Performance Management Contract's Fixed
46 Management Fee and O&M Budget for the Dededo CT, Macheche CT and Yigo CT Plants
47 2. The General Manager is authorized to enter into a five-year extension of the Performance
48 Management Contract for GPA's Combustion Turbine Power Plants with Taiwan Electrical
49 and Mechanical Engineering Services, Inc. (TEMES).

50
51 **RESOLVED**, that the Chairman of the Commission certifies and the Board Secretary attests the
52 adoption of this Resolution.

53
54 **DULY and REGULARY ADOPTED AND APPROVED THIS 22ND DAY of SEPTEMBER, 2020**

55 **Certified by:**

Attested by:

JOSEPH T. DUENAS

Chairperson
Consolidated Commission on Utilities

MICHAEL LIMTIACO

Secretary
Consolidated Commission on Utilities

62 **I, Michael Limtiaco**, Secretary for the Consolidated Commission on Utilities (CCU), as evidenced by
63 my signature above do certify as follows:

64 The foregoing is a full, true, and correct copy of the resolution duly adopted at a regular meeting of
65 the members of Guam Consolidated Commission on Utilities, duly and legally held at the meeting place
66 properly noticed and advertised at which meeting a quorum was present and the members who were
67 present voted as follows:
68

69 Ayes: _____

70 Nays: _____

71 Absent: _____

72 Abstain: _____

GM REPORT

SEPTEMBER 2020



PEAK DEMAND RECOVERING TOWARDS 2019 LEVEL

1. Generation System: Reserve Margin Forecast for Sept 2020:

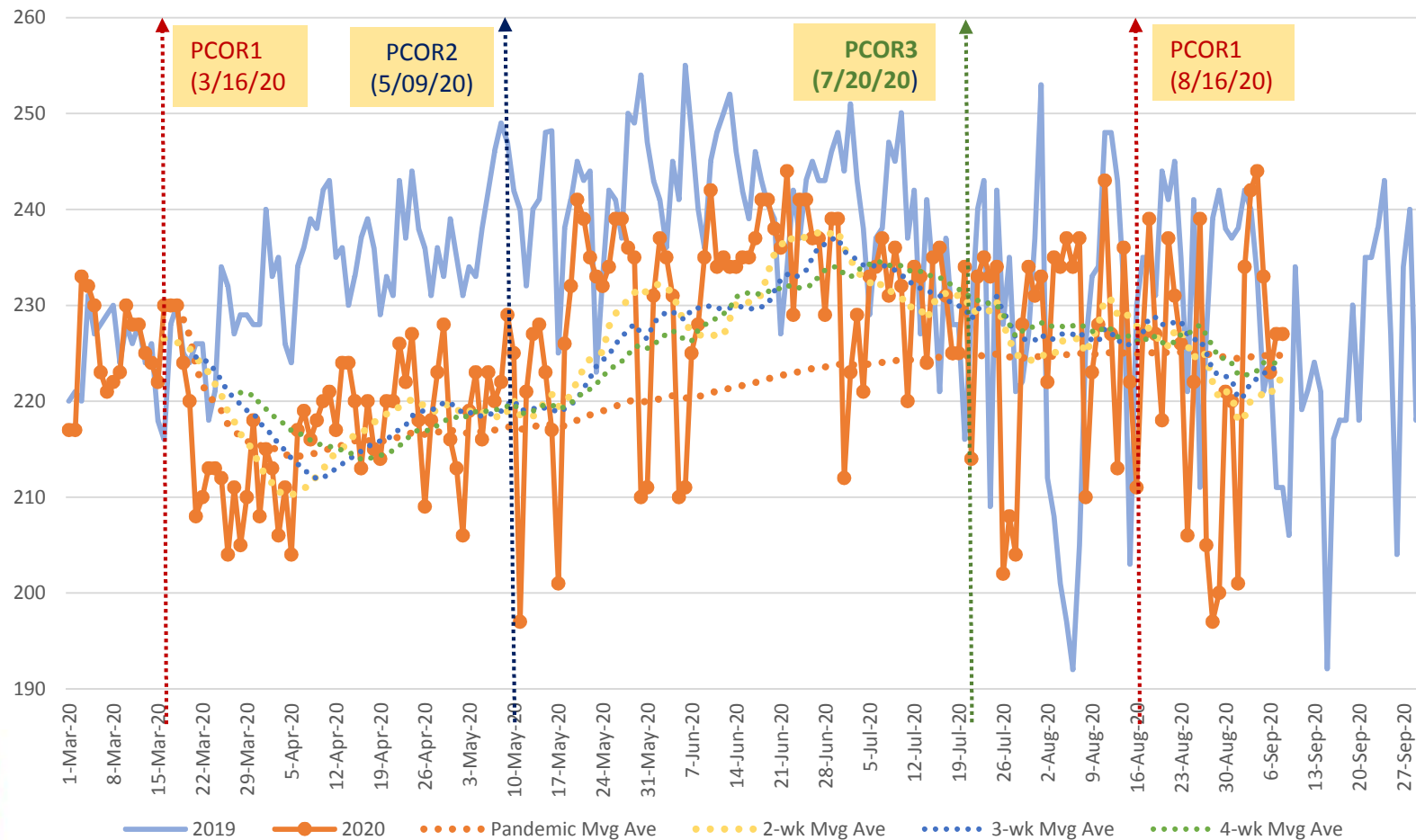
Projected Available Capacity: 367 MW

Projected Demand: 243 MW

Anticipated Reserve Margin: 124 MW

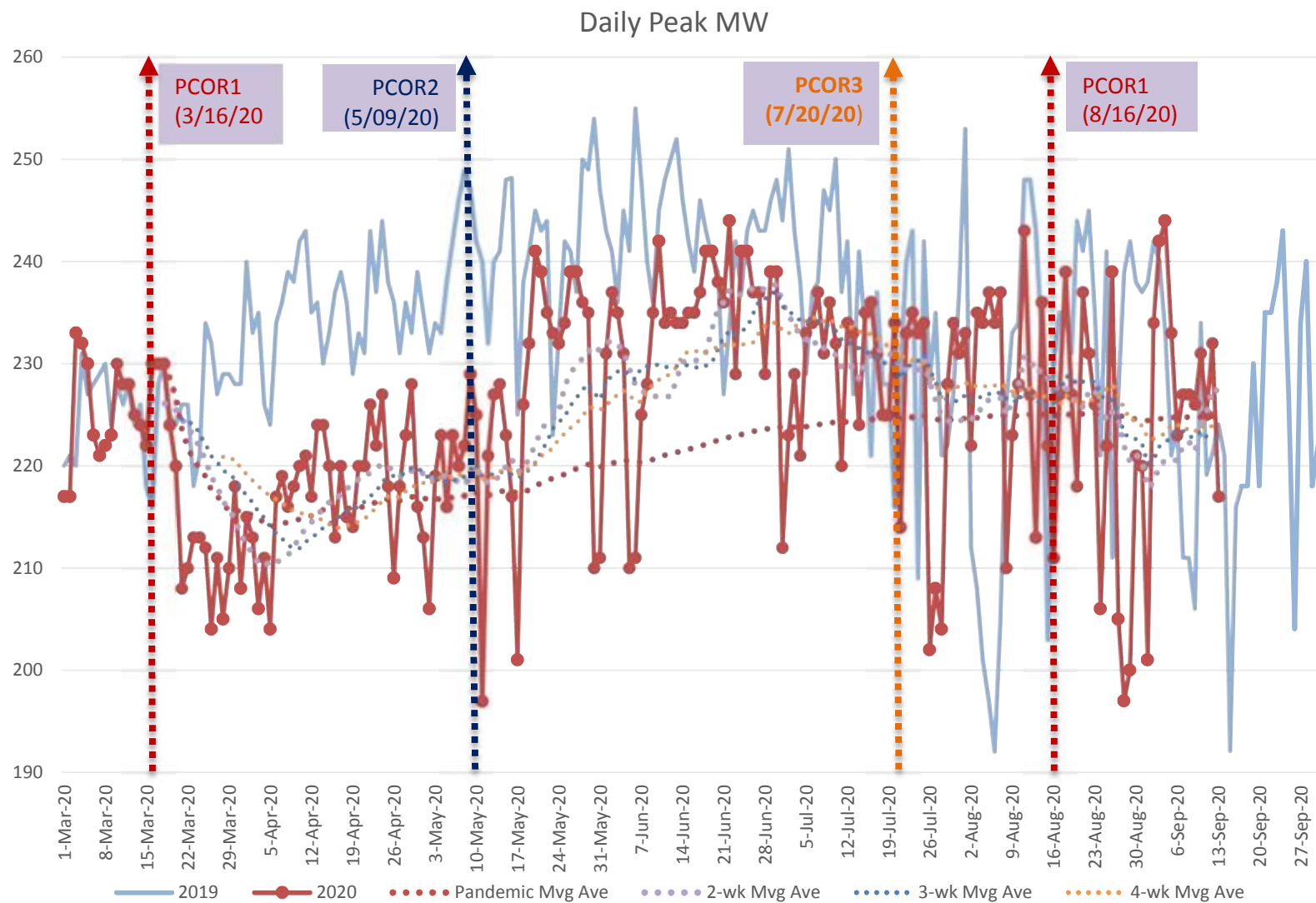
Baseload Overhaul: Cabras #2 Quarterly Maintenance Sept 12 thru 22

Daily Peak MW thru COVID Period



NET ENERGY PRODUCTION RECOVERING

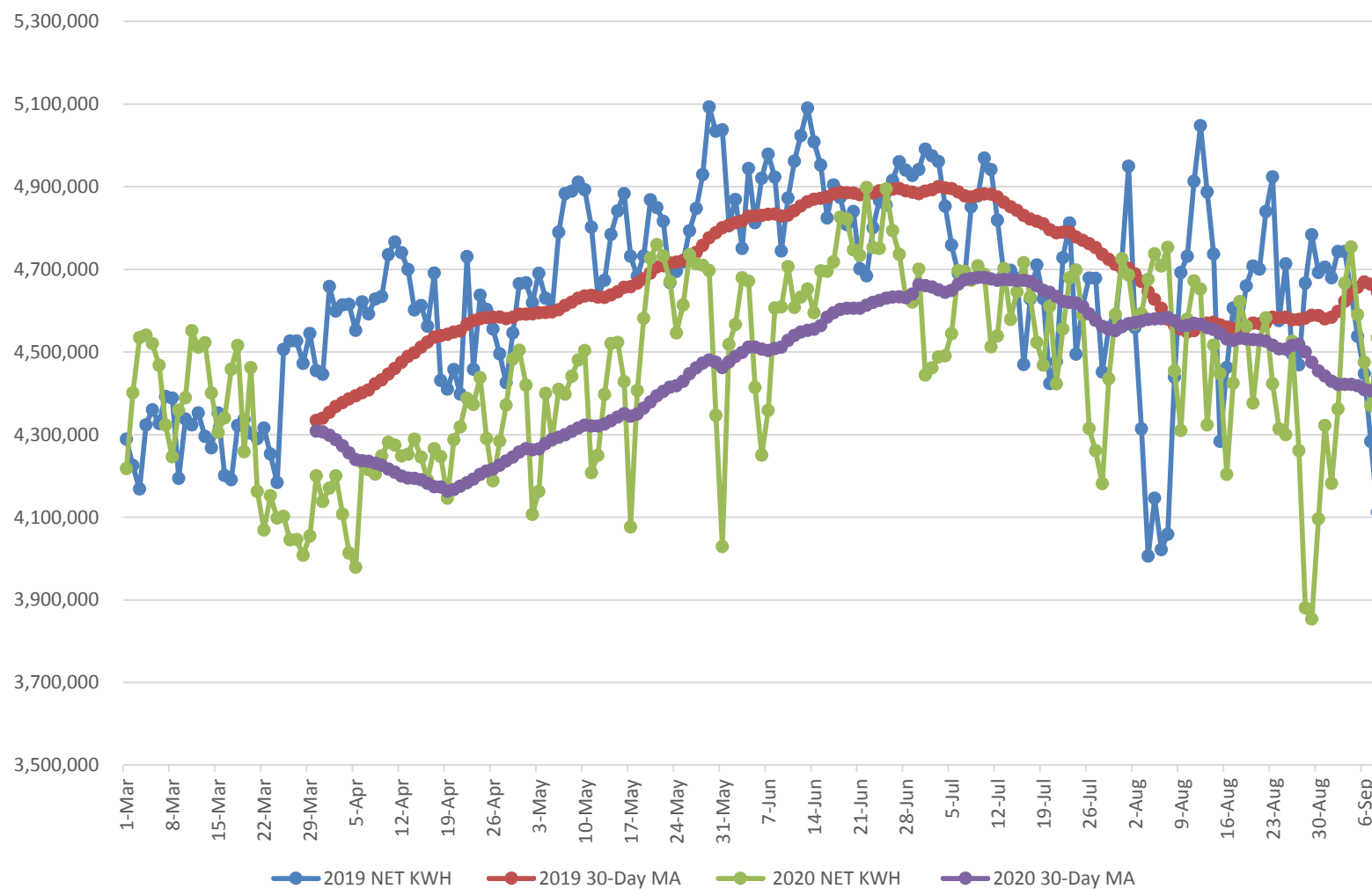
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NET ENERGY PRODUCTION

4

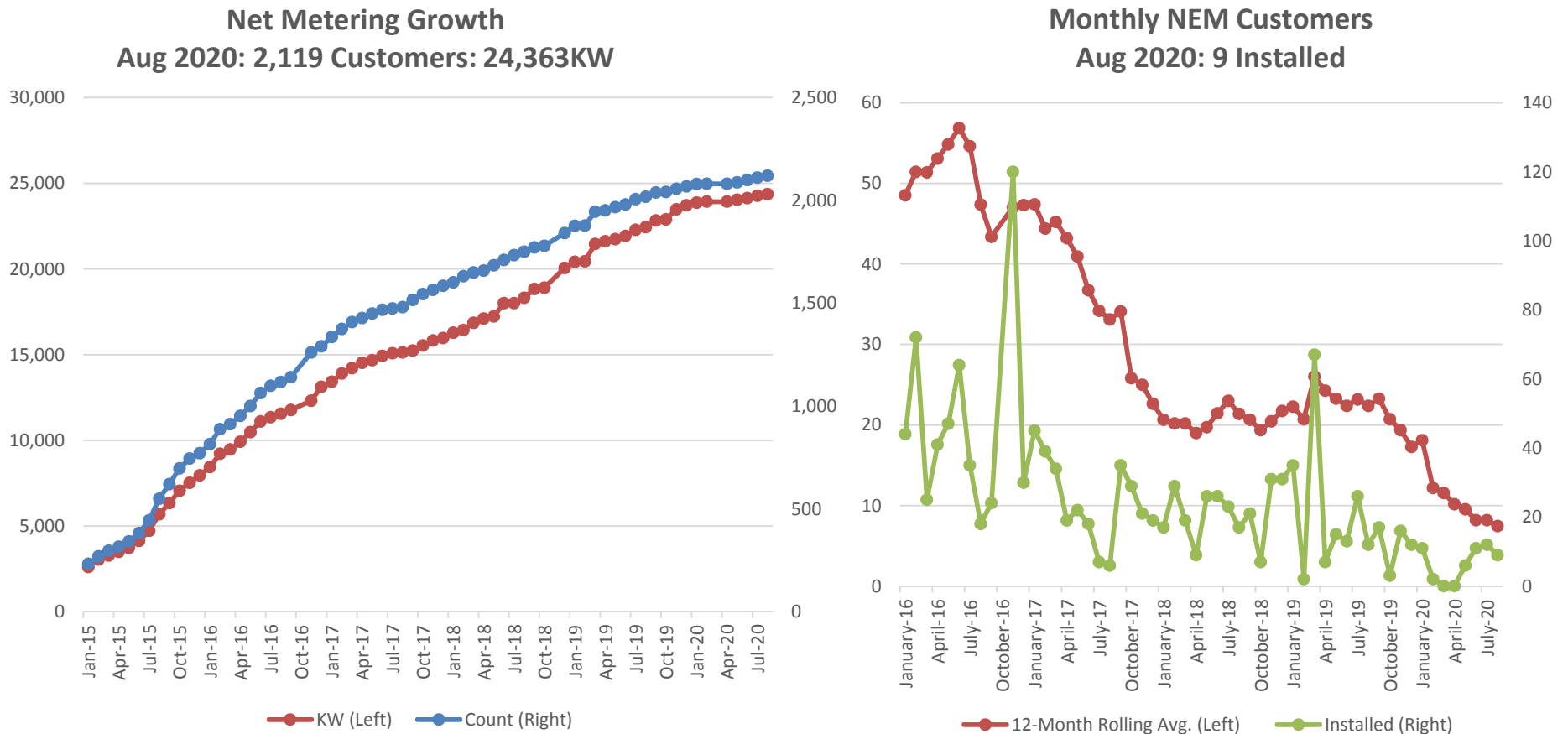
Return to PCOR1 in August Slowed Recovery Due to Commercial Shutdown



NET METERING

5

2. Net Metering (NEM) Growth Thru August 2020:

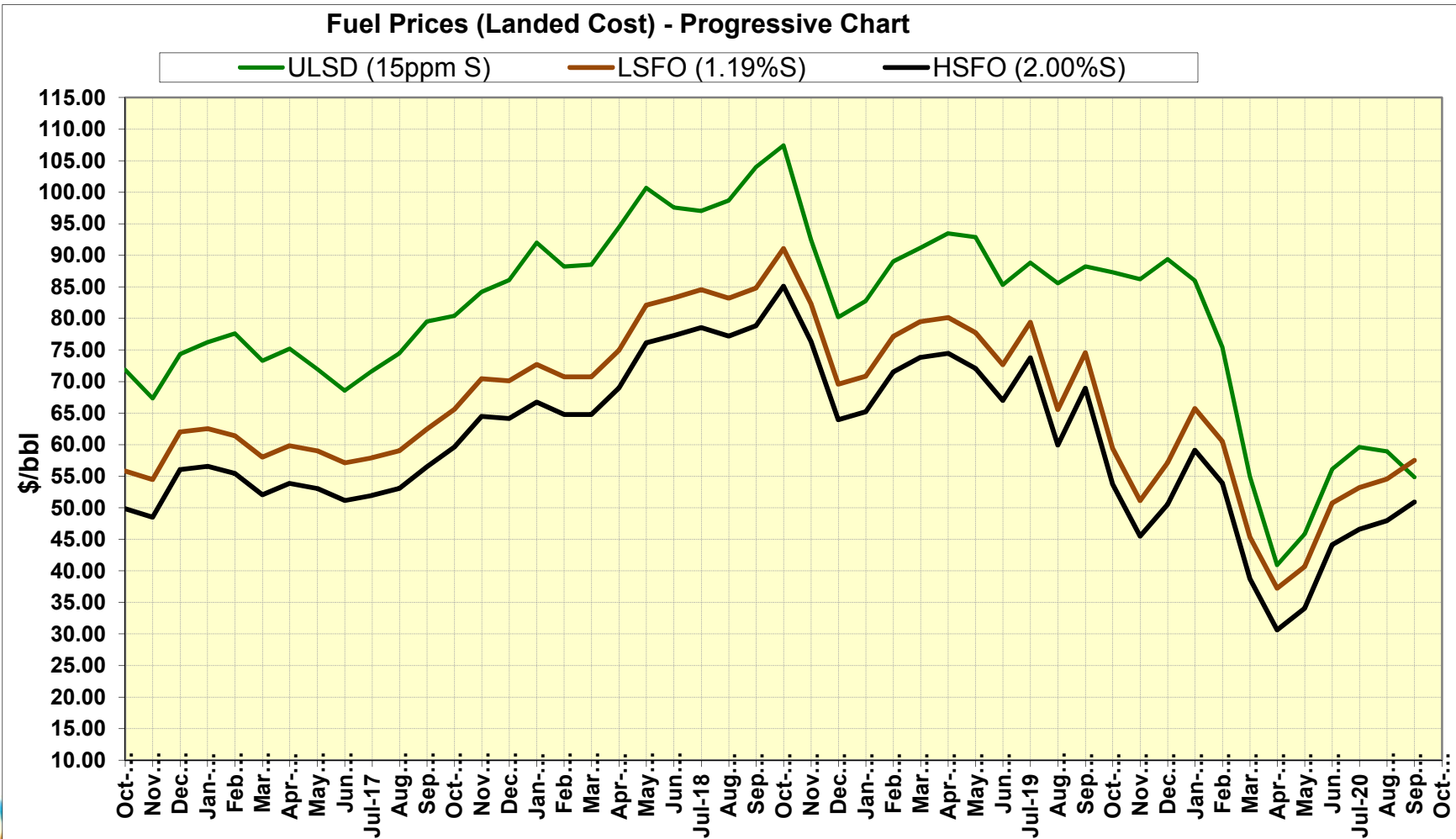


GPA Fuel Purchases (Per Barrel)

6

3. Fuel Prices (Per Barrel) Ending September 10, 2020

About \$20/BBL Rise Over 5 Month Period



General Manager's Report (con't)

7

4. Outage Management System (OMS) Text Messaging Service Rolled Out!



- GPA Power Alerts is a new 2-way text messaging service, providing customers with real-time information about any scheduled or unscheduled power outage affecting their home and/or business, and estimated time of restoration.
- All customers with valid mobile numbers associated with GPA accounts are automatically enrolled in the program.

Using Power Alerts

Message Options to send to

1-855-252-9998

OUT	Send OUT to report outages at the service address(es) associated with your mobile phone number.
STATUS	Send STATUS to receive known information about your power service address(es) and any outages affecting those accounts.
QUIT	Send QUIT to opt out of receiving text message updates from GPA Power Alerts.
ENROLL	Send ENROLL to enroll or re-enroll in GPA Power Alerts.
HELP	Send HELP to receive information for assistance with GPA Power Alerts.

General Manager's Report (con't)

8

5. Dockets for Approval by the PUC and on the September 24th Agenda:

- Docket 20-10, Creation of Condominium Rate Schedule
- Docket 20-16, Petition to Approve the Retirement of Piti 8 & 9 Units and to Procure 60MW of Renewable Energy
- Docket 20-18, Petition for One Month Extension for RFO6 for Baseload Generating Plants
- Docket 20-19, Petition to Approve FY2021 CIP Ceiling Cap
- Docket 20-20, Filing of the FY2021-2023 Construction Budget

6. Phase III Renewables Project Update:

- The Phase III Intent to Award to Engie for 40 MW of Solar PV with full supply shifting Energy Storage System has been under appeal with the OPA. Final briefs were filed on August 11, 2020. The OPA decision is PENDING but anticipate a decision by the end of this month.

7. Energy Storage System (ESS) Update:

- The contractor resumed commissioning of ESS on Monday, August 10th. The commissioning process for both the Talofofo 16MW ESS and the Hagatna 24MW ESS is again delayed due to quarantine issues of off-island technical experts required for final phase commissioning. GPA now anticipates the commissioning of both ESS sites by Mid-November.

8. Ukudu Power Plant:

- KEPCO continues to work on the Air Permit and Environmental Impact Assessment required before construction can begin. Delays anticipated due to COVID-19 and challenging permitting issues.



General Manager's Report (con't)

9

9. DSM Applications and Energy Rebate Update - June thru Sept 2020:

Applications Processed (By SPORD)

Date Submitted	No. of Applications
June	490
July	370
August	1010
As of September 3rd	125

Payments Processed (By Finance)

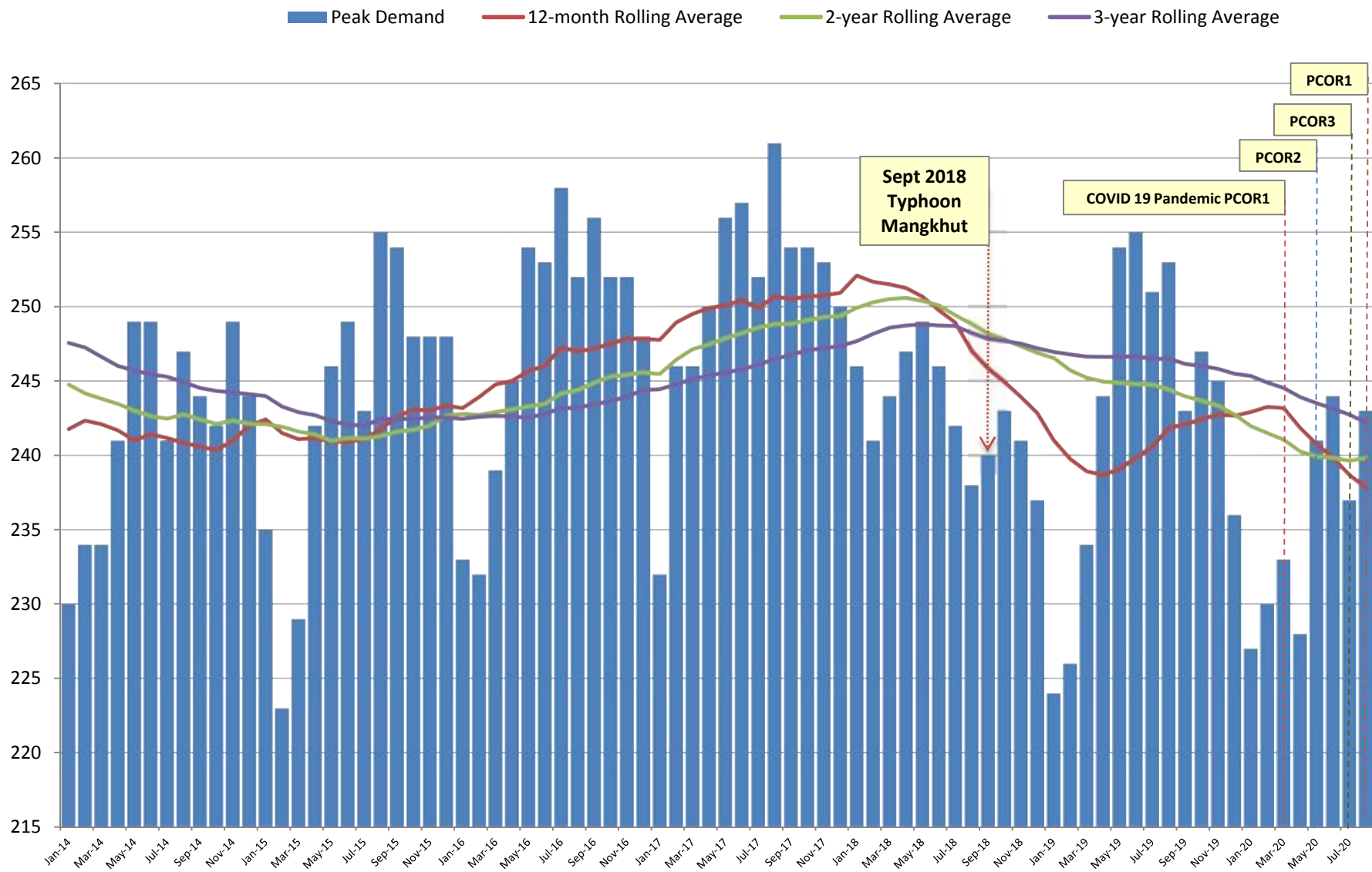
Approved-Payment Issued	Payment Being Processed	Pending Review for Payment
No. of Checks Issued as of Sept 11th (May, June & July approved applications)	No. of Applications Approved, Being Processed for Payment (June & July applications; scheduled payment -Sept 18th)	No. of Applications pending review for Payment (Sept 30 th)
300	316	230

10. Generation KPI's:

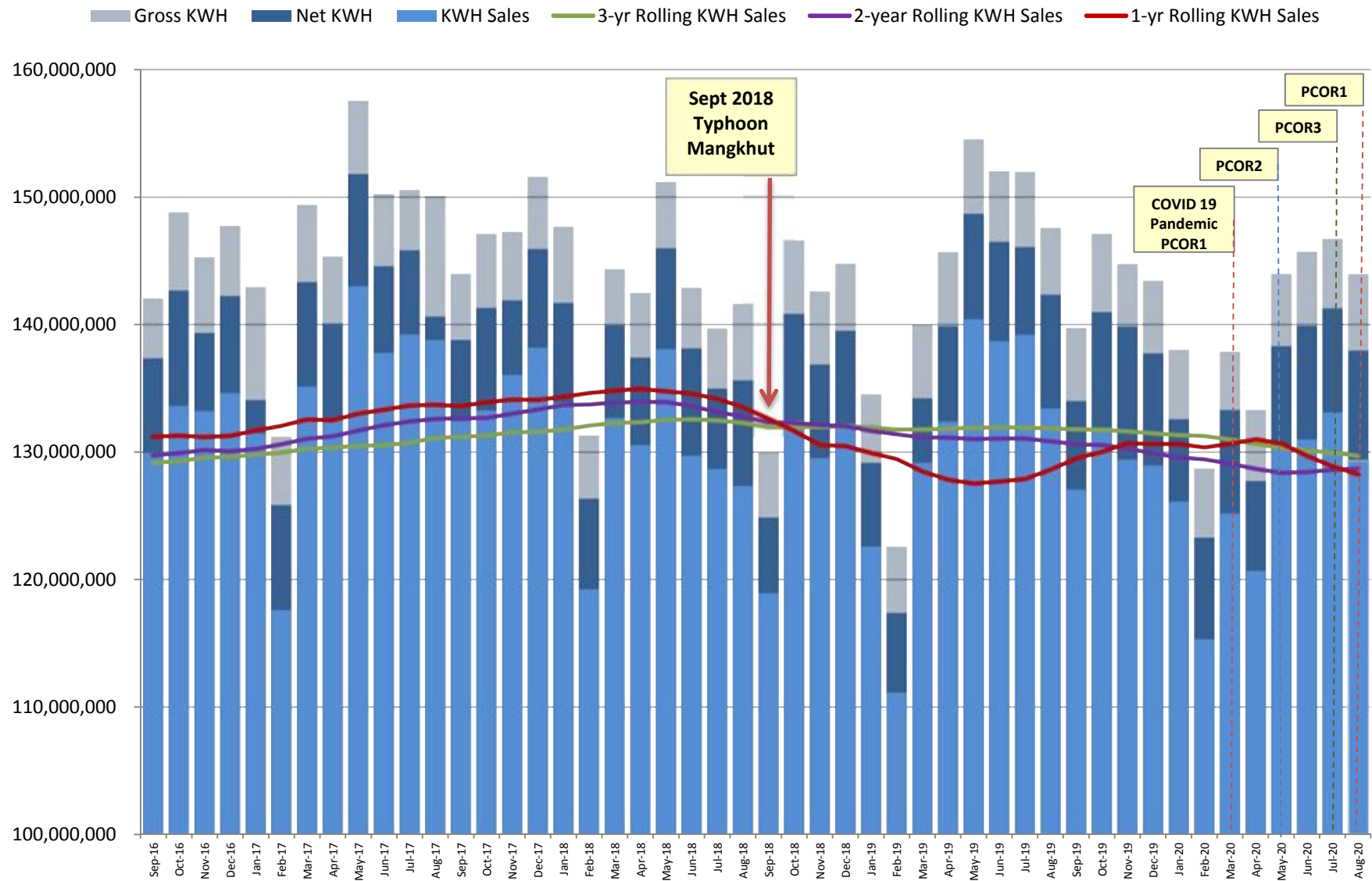
- The following graphs show updated information through August 2020



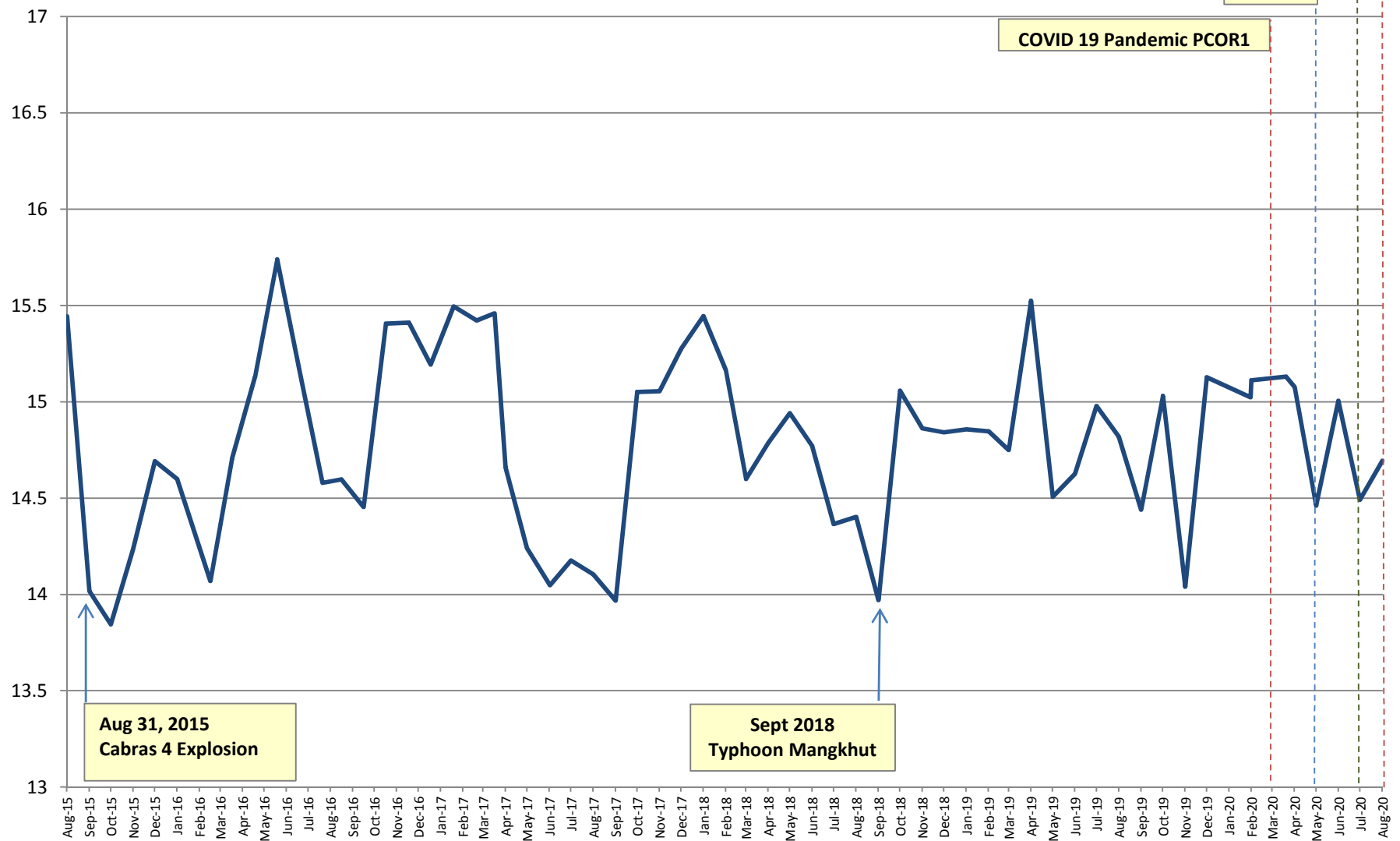
Historical Monthly Peak Demand Jan 2014 - August 2020



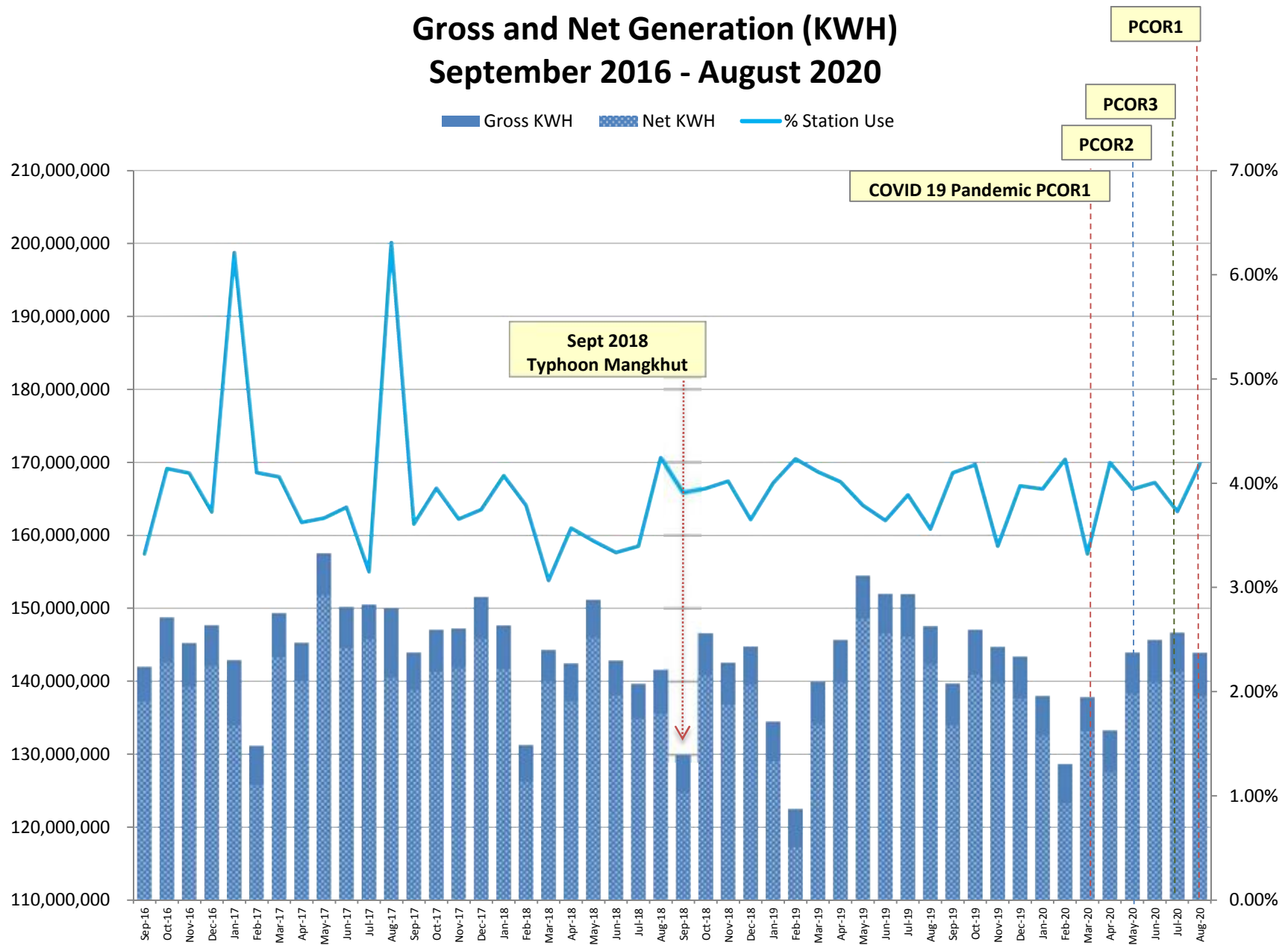
Historical KWH Sales September 2016 - August 2020



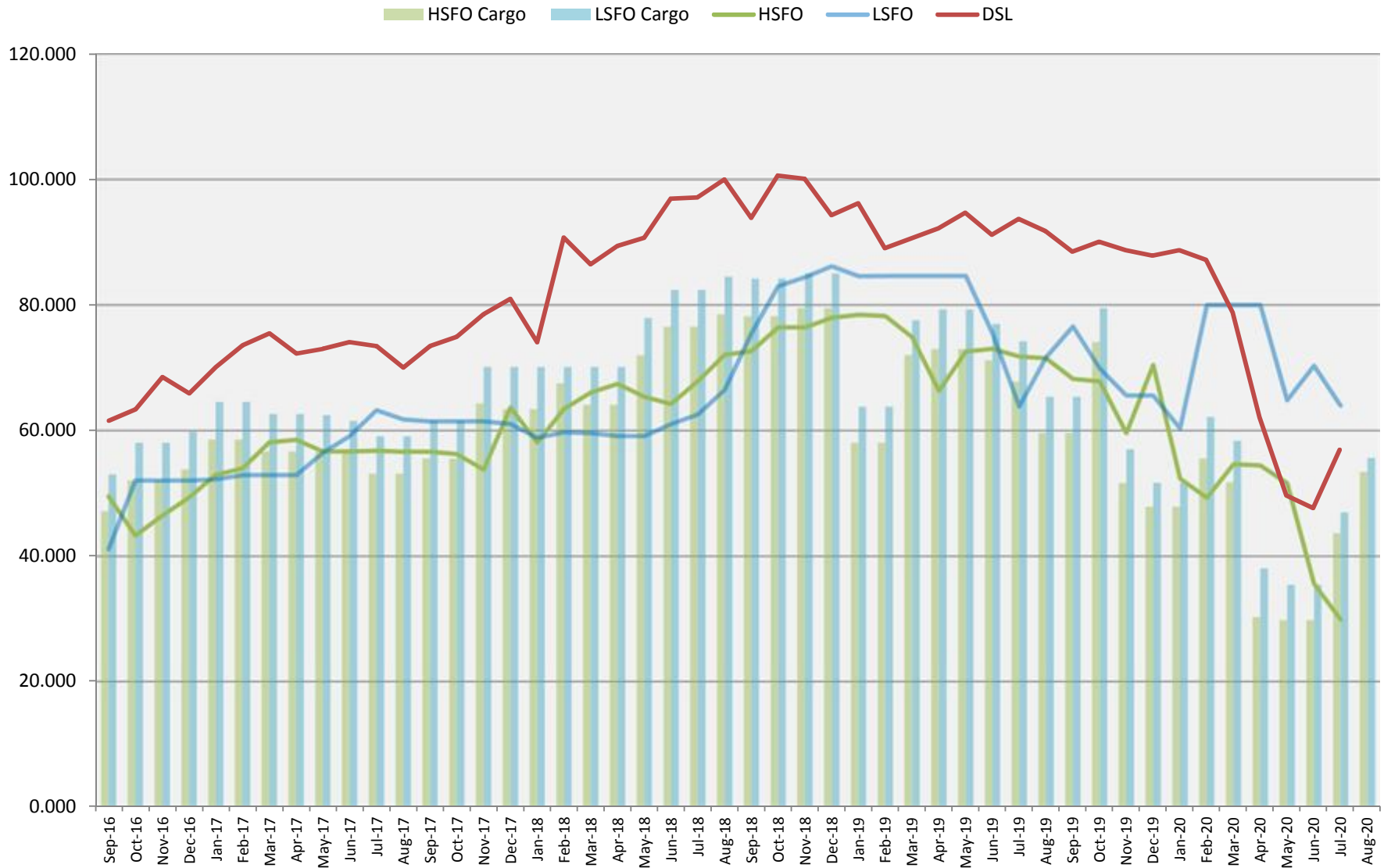
SYSTEM GROSS HEAT RATE (KWH/Gal) Aug 2015 - Aug 2020



Gross and Net Generation (KWH) September 2016 - August 2020



Fuel Cargo and Fuel Consumption Costs (\$/bbl) September 2016 - August 2020



COVID-19 REPORT IMPACT ON GPA OPERATIONS

SEPTEMBER 2020



COVID-19 IMPACT - Overview

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This report is intended to apprise the CCU and GPA ratepayers of the status of the utility as it addresses the operational challenges presented by the COVID-19 pandemic and responds to assist its ratepayers during this difficult and unprecedented period.



Impacts are reported on all parts of the GPA organization, with focus on service to its ratepayers.

Status of critical factors are color-coded, indicating areas of weakness, concerns, and trends:



All services continued to be offered to customers, although the speed of providing some services have been slowed due to pandemic-related factors.

GPA continues to alter its operations to comply with pandemic guidelines and to ensure the continued health and safety of its employees, customers and the general public.

COVID-19 IMPACT - Dashboard

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CRITICAL FACTOR		STATUS	TREND
OPERATIONAL CONTINUITY	[Health watch]		
<i>Generation</i>			
<i>Transmission & Distribution</i>			
HEALTH & SAFETY	[Health watch]		
<i>Employees & Contractors</i>			
<i>PPE & Supplies</i>			
RATEPAYER CONSUMPTION & SERVICE	[Closures; Loss of jobs/income]		
<i>Consumption</i>			
<i>Revenue</i>			
<i>Customer Service</i>			
SUPPLY CHAIN	[Global manufacturing & delivery delays]		
<i>Fuel</i>			
<i>Materials & Equipment</i>			
KEY PROJECTS	[Permitting delays due restriction of movement]		
<i>Ukudu Plant & Pipeline</i>	Permitting Activities		
<i>Energy Storage System (ESS)</i>	Commissioning Activities		



STATUS

GOOD

NEUTRAL

POOR

TREND

Improving

Cautious

Worsening

09.2020



COVID-19 IMPACT - Dashboard

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CRITICAL FACTOR		STATUS	TREND
KEY PROJECTS	[Permitting & other delays due restriction of movement]		▲
<i>Phase II Renewable Contracts</i>	Permitting & Construction Activities		▲
<i>Phase III Renewable Contract</i>	Protest Hearing, Procurement Award		▲
<i>Mobile Workforce Management</i>	Testing & Implementation		▲
<i>Grant Projects</i>	Onsite Audits, Environmental Compliance Review, Project Scheduling		▲
<i>Demand Side Management Rebate Program</i>	Processing of Applications		▲



STATUS



TREND



09.2020



COVID-19 IMPACT - Operations & Admin

19

CRITICAL FACTOR				STATUS
GENERATION		Capacity	Available	
Cabras 1 & 2	Cab 2 quarterly scheduled maintenance outage Sept 12-22	110	55	
Piti 8 & 9	Manning & maintenance	88	88	
Aggreko	Manning & maintenance	40	35	
Piti 7	Pending exhaust duct repairs. Manning & maintenance	40	28	
Macheche CT	Manning & maintenance	20	20	
Yigo CT	Manning & maintenance	20	20	
Dededo 1 & 2	Manning & maintenance	40	40	
Medium Speed Diesels	8 MW pending parts/contractor. Manning & maintenance	40	32	
T&D		New Installations; Trouble Calls; Tree Trimming; Streetlight Repairs; ESS Project; Meter Change-Outs		
TRANSPORTATION		Running Repairs; Emergency Repairs		
FACILITIES		Custodial Services; Groundskeeping; Disinfecting Services; Maintenance Activities		
PSCC		System Control & Command; G500 RTU Training Ongoing; OMS Text Project; ESS Project; EMSYS & Communication System Etc.		
SAFETY		Implementation of Pandemic Protection & Mitigation Measures. Tracking Employee Health. Support All Operations		
MATERIAL MANAGEMENT		Inventory; Support; Adjust & Manage for Delays in Supply Chain		
PROCUREMENT		E-processes Instituted. Continue Emergency & Regular Bids, Tenders, Purchase Orders		
HUMAN RESOURCES		Institute E-Processes & Continue Recruitment, Training, Employee Relations, Succession Plan		
CUSTOMER SERVICE		Increase E-Service & Contactless Options; Payment Plans; Text OMS; Survey & Engagement		



STATUS

GOOD

NEUTRAL

POOR

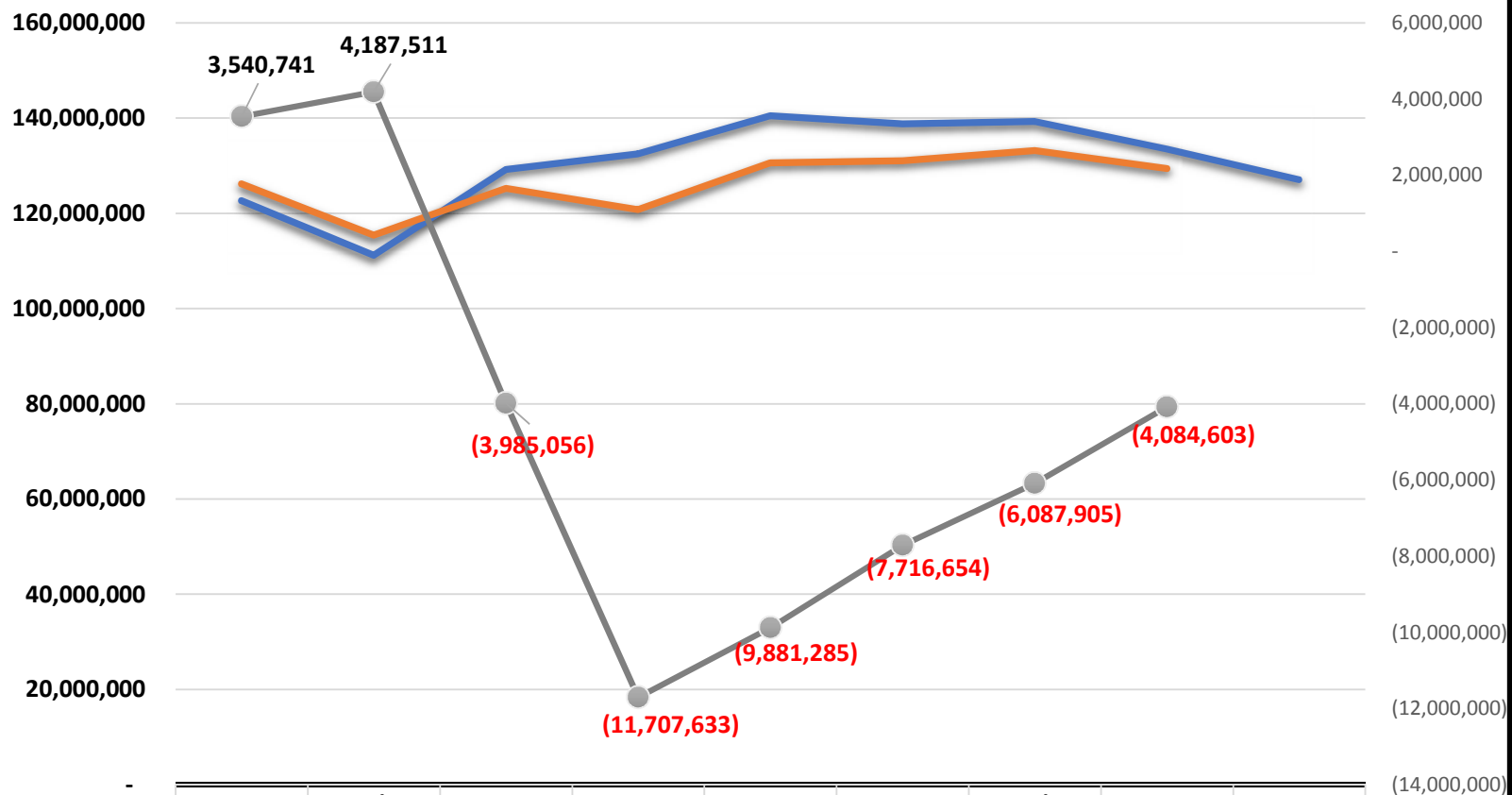


09.2020

OVERALL SALES

20

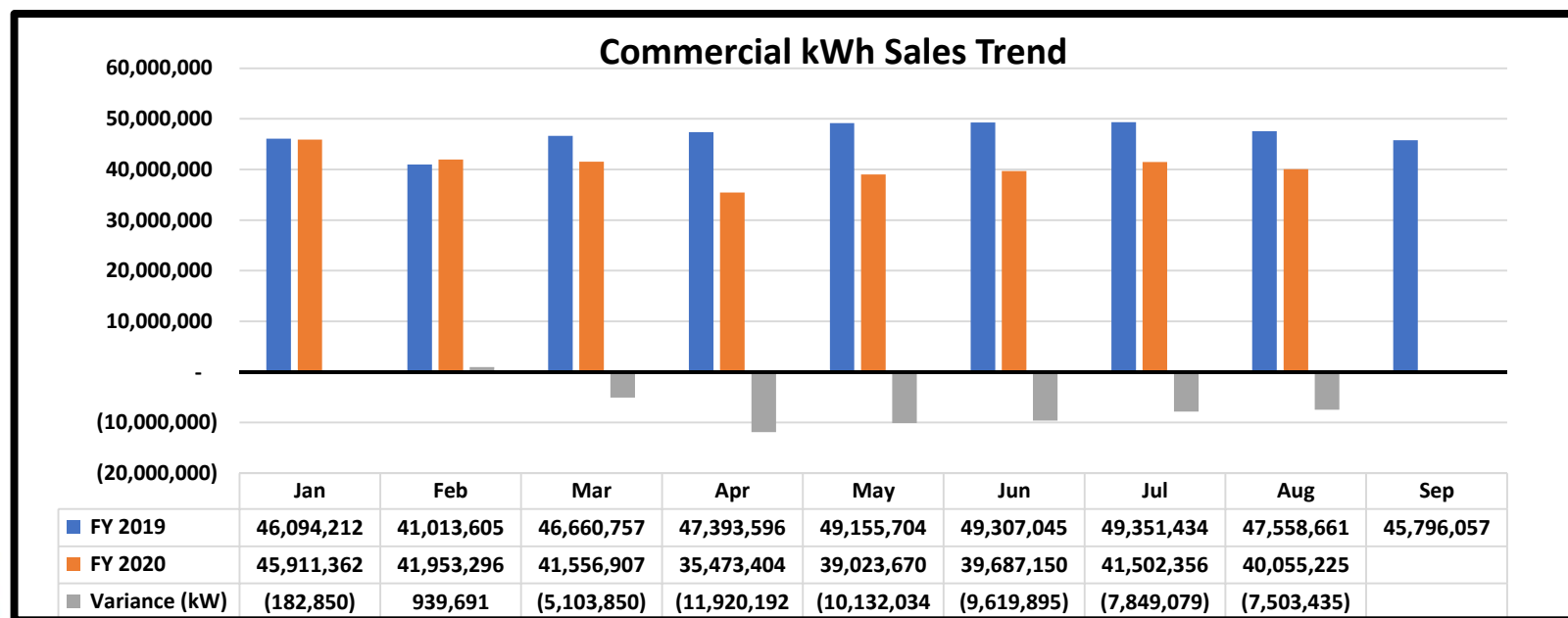
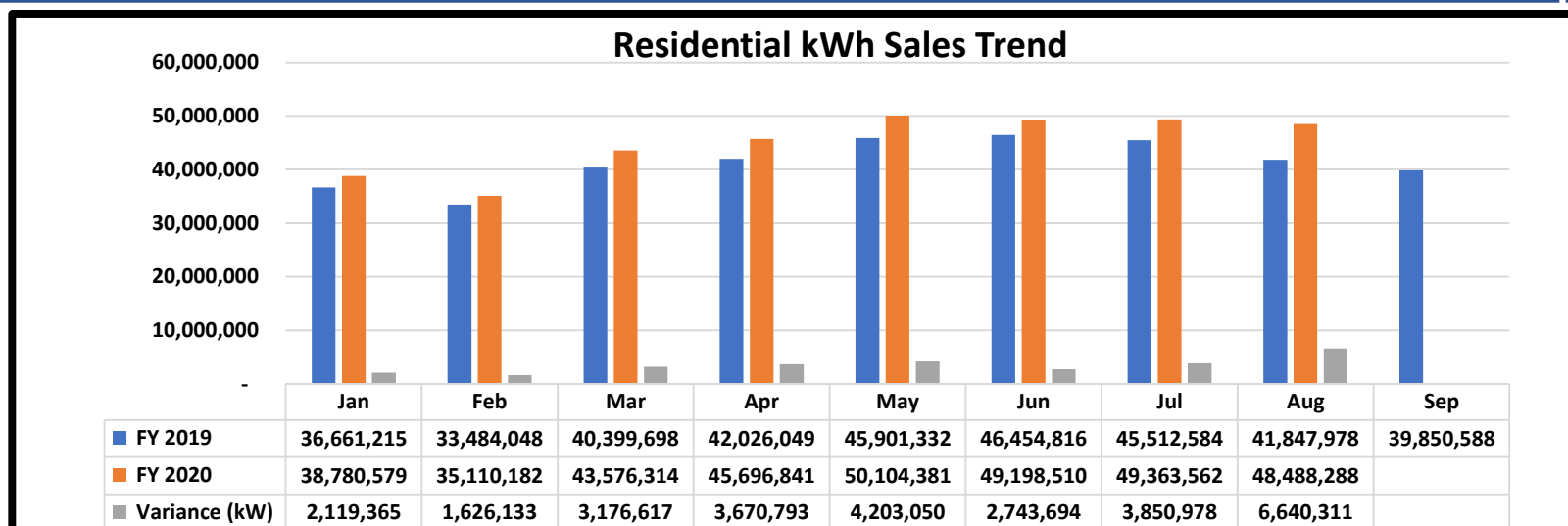
Overall kWh Sales Trend



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY 2019	122,589,5	111,158,9	129,170,3	132,395,7	140,411,8	138,703,5	139,203,8	133,421,8	127,014,0
FY 2020	126,130,3	115,346,4	125,185,2	120,688,0	130,530,5	130,986,9	133,115,9	129,337,2	
Variance	3,540,741	4,187,511	(3,985,056)	(11,707,633)	(9,881,285)	(7,716,654)	(6,087,905)	(4,084,603)	

RESIDENTIAL AND COMMERCIAL SALES

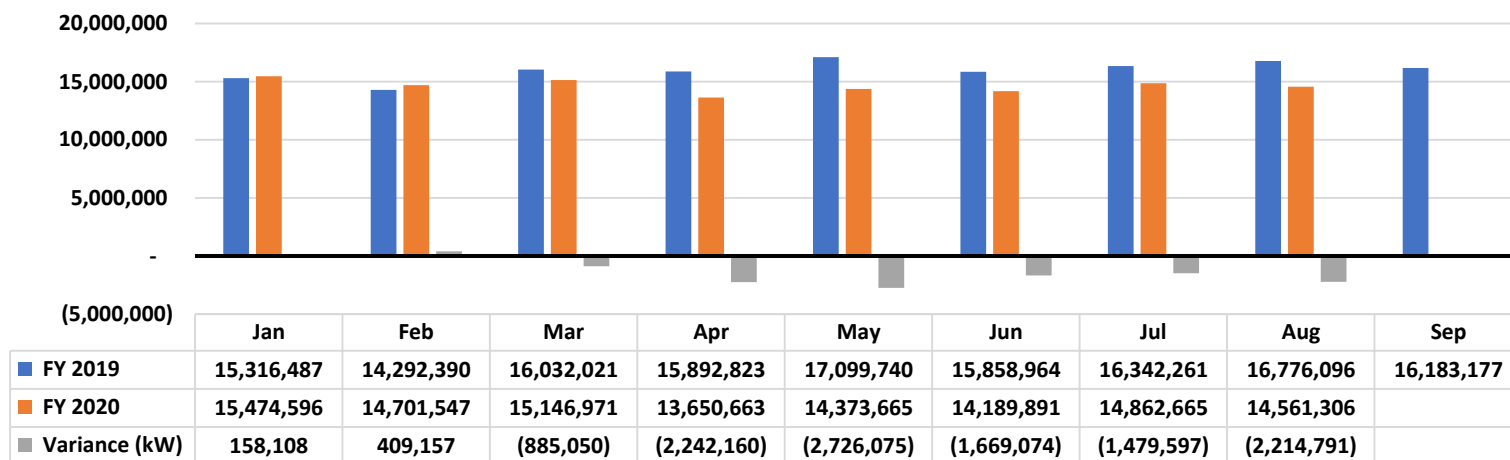
21



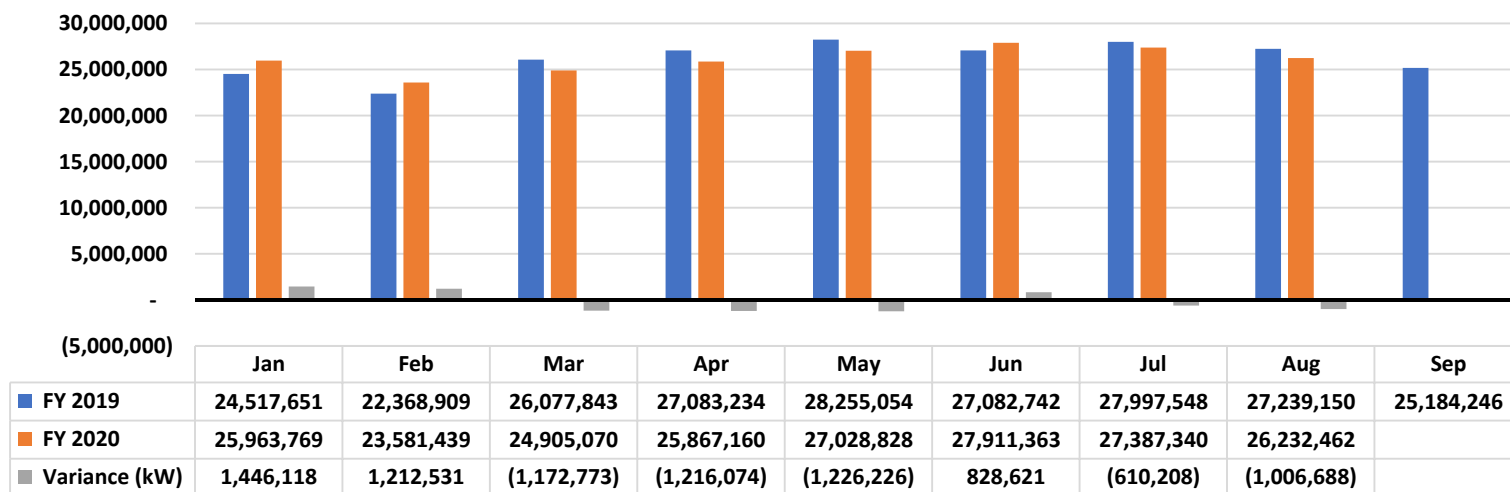
GOVERNMENT AND NAVY SALES

22

Government kWh Sales Trend

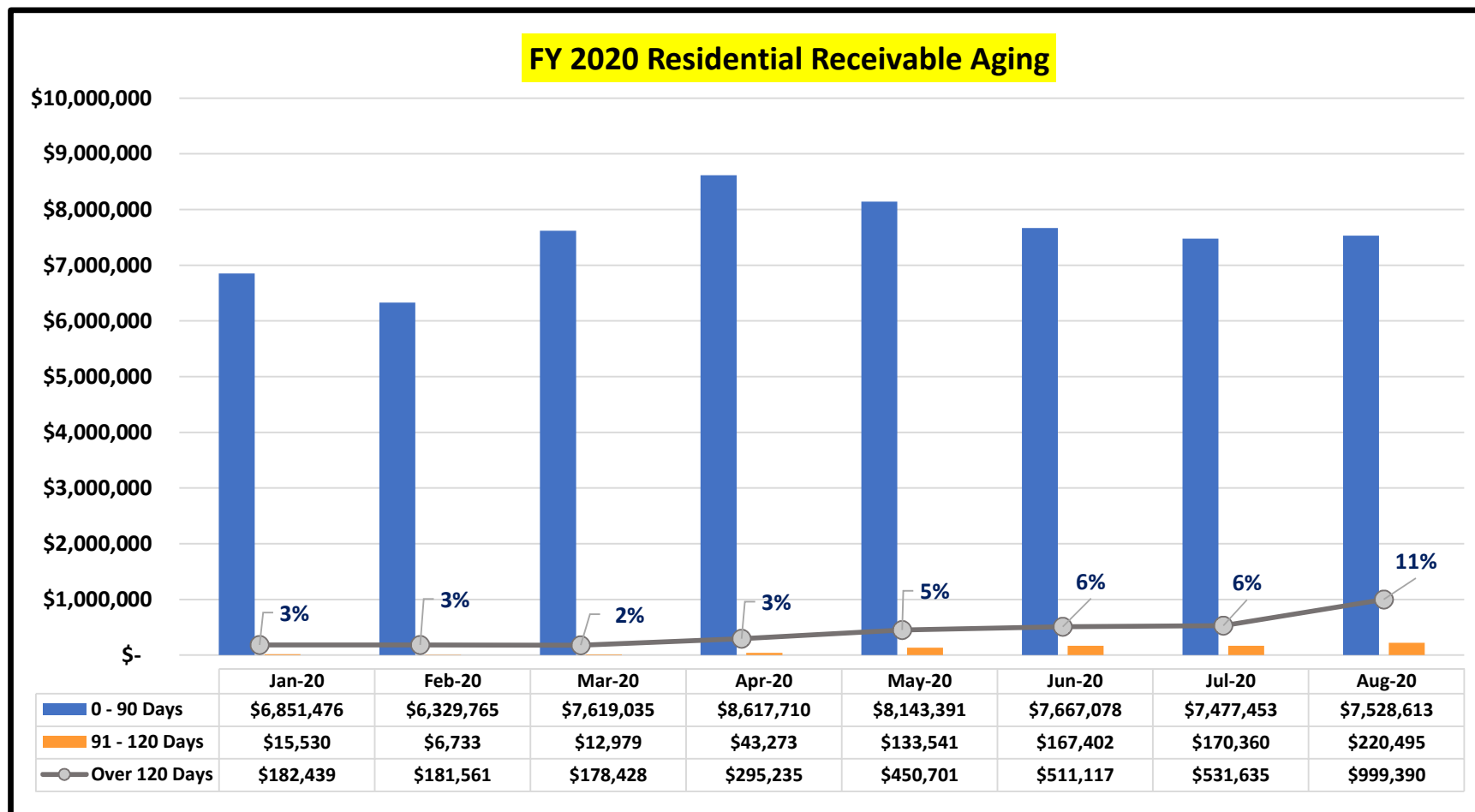


Navy kWh Sales Trend



COVID-19 IMPACT - Receivables Aging

23



Residential Pre-Paid (1,450 customers)

~\$650,000 moved into debt recovery

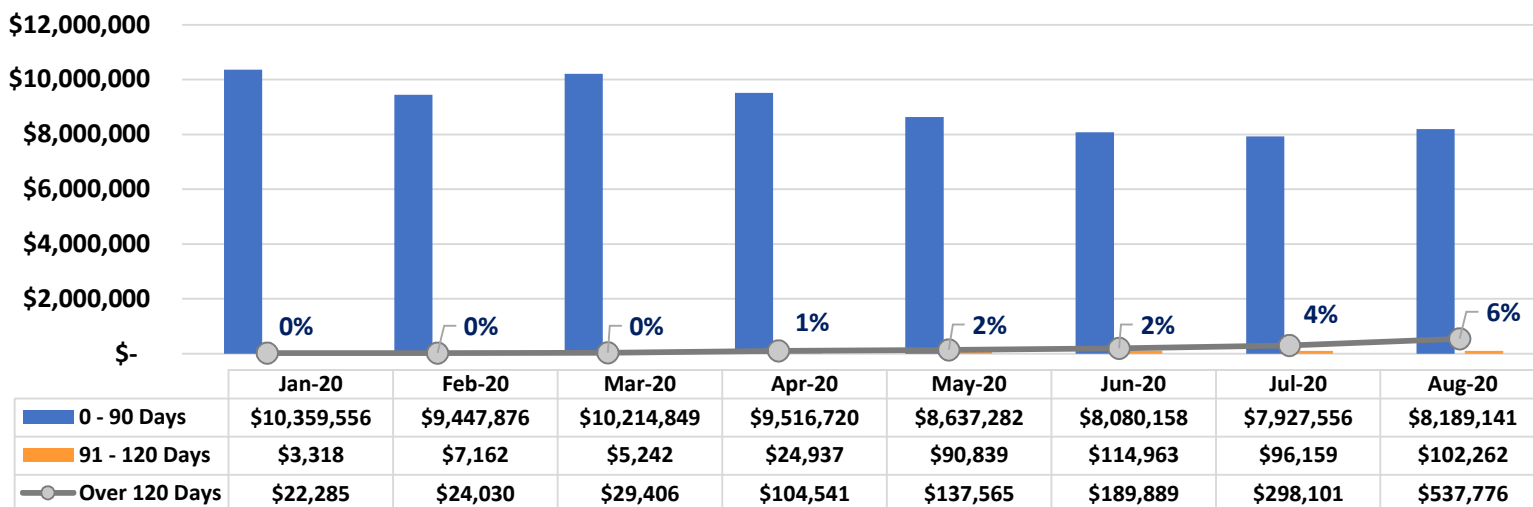
- 33% in good standing with little to no debt recovery
- 9% in good standing, recently resolved debt
- 58% in debt recovery



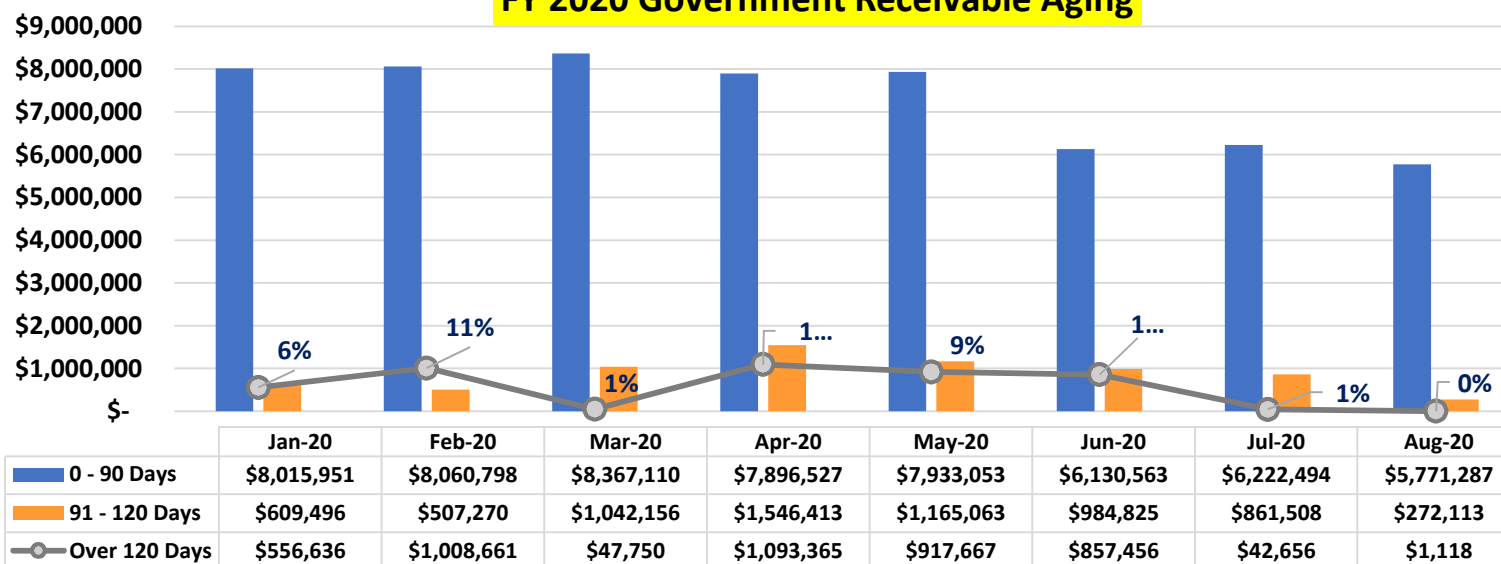
COVID-19 IMPACT - Receivables Aging

24

FY 2020 Commercial Receivable Aging

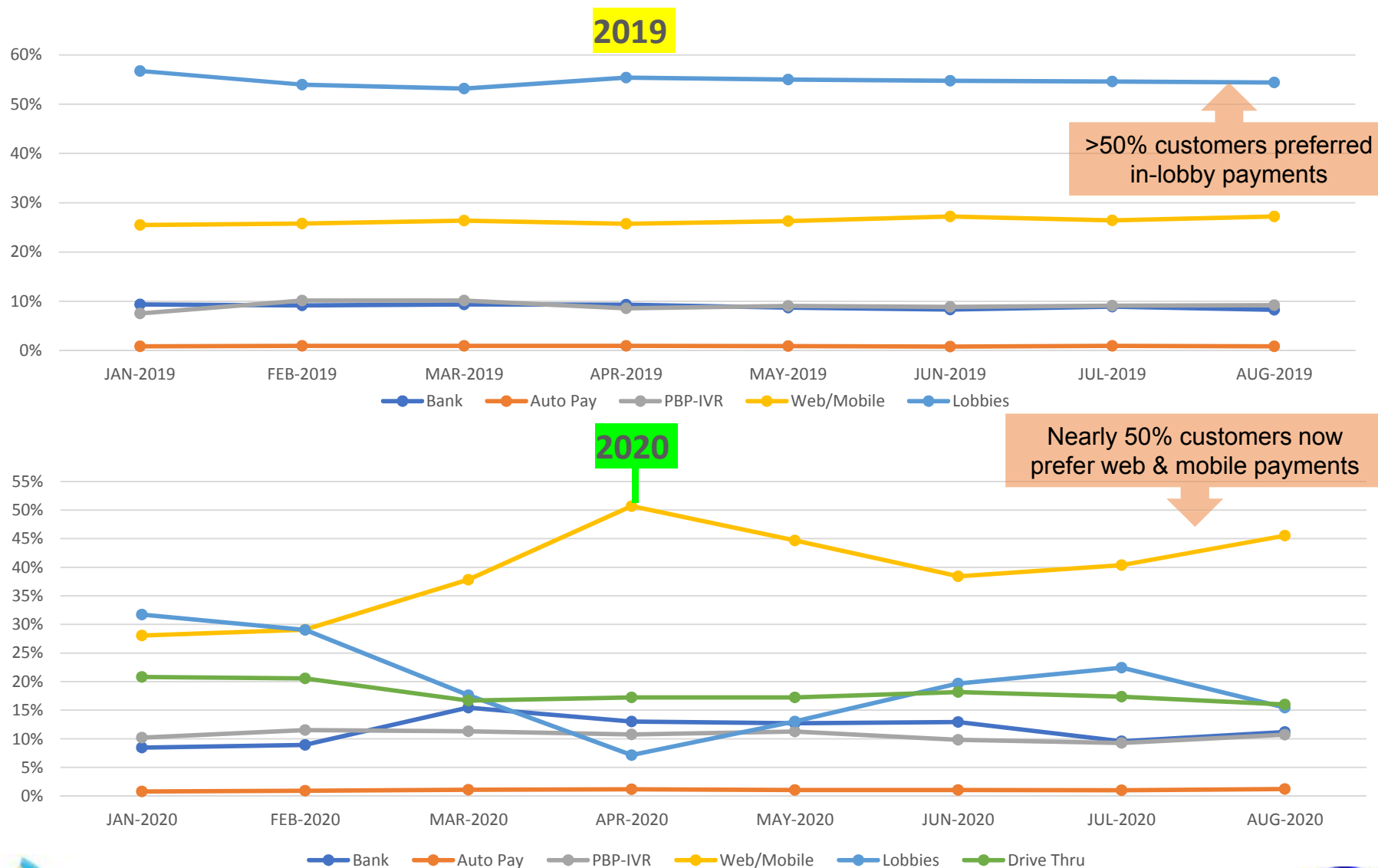


FY 2020 Government Receivable Aging



COVID-19 IMPACT - Payment Methods

25



COVID-19 IMPACT - STRATEGY

26

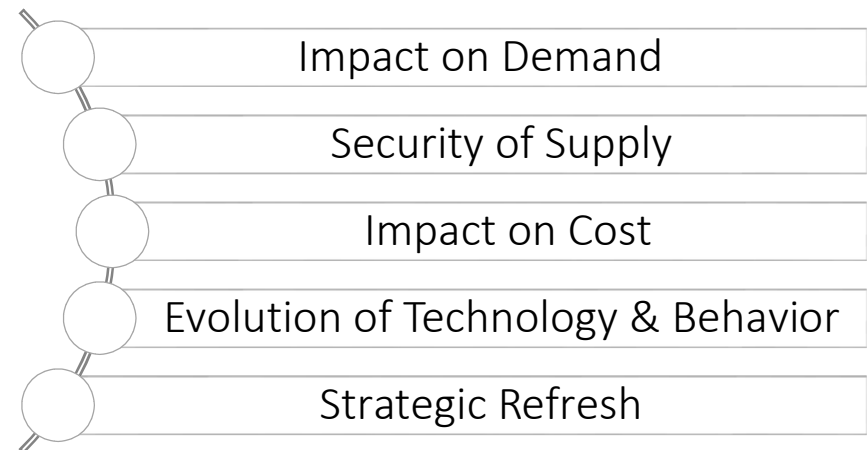
SHORT- & MID-TERM

- ✓ High Degree of Flexibility
- ✓ Continued Resiliency
- ✓ Prepared For Surges



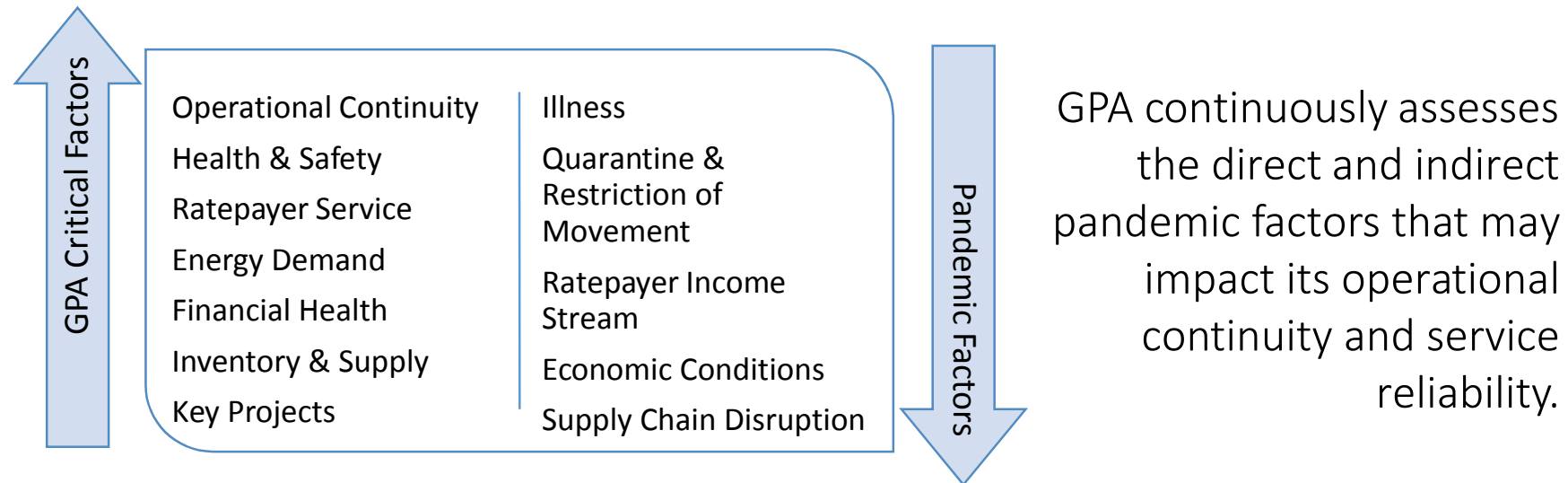
LONG-TERM

- ✓ Sustainable Operations

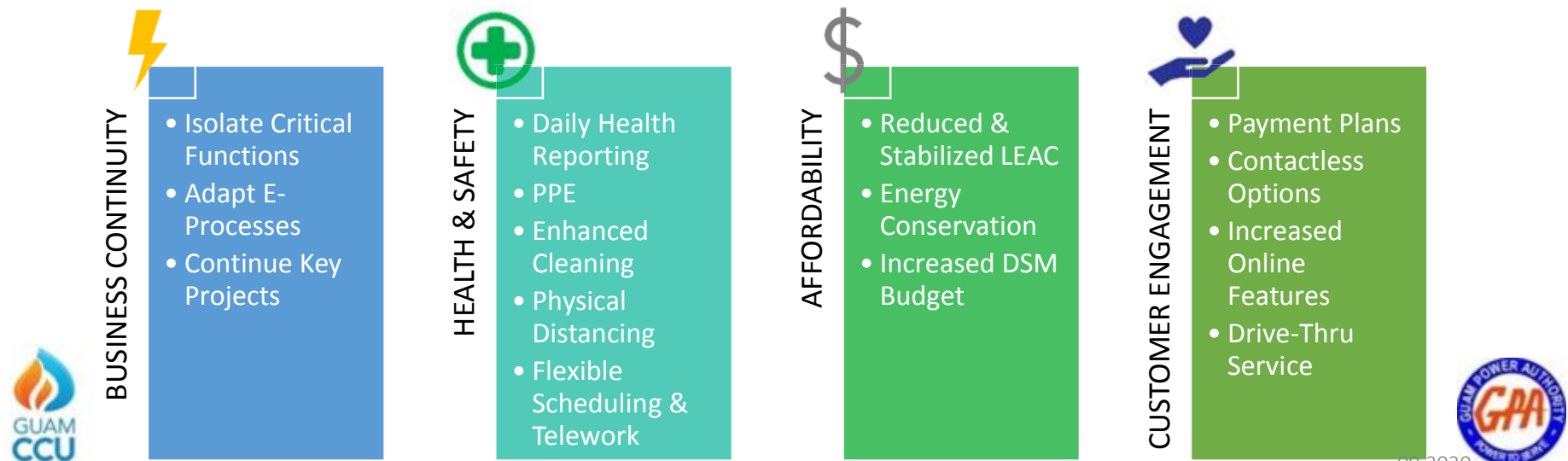


COVID-19 IMPACT - External Factors & Response

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We respond to the challenges with solutions that meet the best needs of our employees, ratepayers & community.



09.2020



Customer Service Division

July 2020

SITE	Less than 10 Mins.	%	10-15 Mins.	%	15-30 Mins.	%	30-45 Mins.	%	TOTAL	Location %
FADIAN	992	71%	181	13%	205	15%	18	1%	1,396	38%
HAGATNA	653	71%	139	15%	107	12%	20	2%	919	25%
UPPER TUMON	945	71%	263	20%	110	8%	13	1%	1,331	37%
TOTAL:	2,590	71%	583	16%	422	12%	51	1%	3,646	100%

Government Accounts Receivable: CSD reports invoices for the month of July 2020, for 75 active government accounts with an overall total of \$3,590,982.39, and 69 accounts were current (92%), 6 accounts with arrears (8%). 10 fax/emails issued to government accounts totaling \$3,172,563.07. July 2020 invoices, 39 accounts paid in full.

Credit and Collection

Delinquent Ratio: As of July 2020, the authority reported a total 48,278, active customers. The "Delinquent Ratio" was recorded at 10.05% with 4,848 total delinquent accounts, total arrears of 3,594,297.17; 1,776,639.54; 4,569(9.47% / 28-45 days) category; 916,604.18; 2,165(4.49% / 46-60 days); 282,951.35; 937(1.94% 61-90 days); and 618,102.10; 1,421(2.94% / Over 90 days).

Bankruptcy: The Authority reports no bankruptcy for the month of July 2020.

Damage Claim: The Damage claim committee received six (6) Damage claims at \$6,164.63 for the month of July 2020.

ACTIVE DELINQUENT – NON-PAYMENT

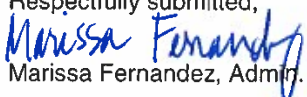
Command Center / Disconnection / Reconnections


Single Phase Meters: Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 3 customers; 3(100%) were disconnected; 0(0%) deferred; 0(0%) incompletes.

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

FY 2020 (July 01- July 31, 2020)								
	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
Jul-20	3	3	----	3 100%	----	1%	----	----
3rd	----	----	----	----	----	----	----	----
2 nd	3,351	1,746	1,583	3,329 99%	22	52%	47%	1%
1 st	1,969	1,358	582	1,940 99%	29	69%	30%	1%
TOTAL:	5,323	3,107	2,165	5,272 99%	51	58%	41%	1%
FY 2019 (October 01, 2018 – September 30, 2019)								
QTR	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
4 th	3,456	2,400	1,038	3,438 99%	18	69%	30%	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:	17,340	8,696	8,388	17,084 99%	253	50%	48%	2%

This concludes the Summary Report for the Customer Service Division for the month of July 2020.

Respectfully submitted,

 Marissa Fernandez, Admin. Officer

Reviewed / Approved by:

 Richard J. Bersamin, ACSM

Run Date: 8/6/2020
Run Time: 12:01:52AM

Guam Power Authority
Delinquent Active Accounts Summary Report
As of - 08/06/2020

Report ID: DELRATIO
Page 130 of 130

<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)	42,504	4,350	4,130	1,937	793	1,217	6,022,358.41	870,041.11	406,762.22	182,176.35	318,316.90	1,777,296.58	7,799,654
		10.23%	9.72%	4.56%	1.87%	2.86%							
Small Gen Non Demand(EGEN-G)	4,192	385	335	176	117	165	833,025.39	91,142.90	45,799.98	33,227.31	80,885.78	251,055.97	1,084,081
		9.18%	7.99%	4.20%	2.79%	3.94%							
Small Gen Demand(EGEND-J)	926	62	62	28	13	16	2,161,123.09	169,449.64	69,857.10	46,365.61	96,766.01	382,438.36	2,543,561
		6.70%	6.70%	3.02%	1.40%	1.73%							
Large General(ELPS-P)	120	18	17	8	1	6	4,695,450.63	644,684.28	393,632.75	20,737.65	116,312.48	1,175,367.16	5,870,817
		15.00%	14.17%	6.67%	0.83%	5.00%							
Private Streetlight(EPOL-H)	515	33	25	16	13	17	20,293.13	1,321.61	552.13	444.43	5,820.93	8,139.10	28,432
		6.41%	4.85%	3.11%	2.52%	3.30%							
<u>Sub-Total (Private)</u>	48,257	4,848	4,569	2,165	937	1,421	13,732,250.65	1,776,639.54	916,604.18	282,951.35	618,102.10	3,594,297.17	17,326,547
		10.05%	9.47%	4.49%	1.94%	2.94%							
Small Gov Non Demand(ESGS-S)	654	223	222	68	24	51	428,521.30	101,736.54	33,072.69	5,733.41	30,608.96	171,151.60	599,672
		34.10%	33.94%	10.40%	3.67%	7.80%							
Small Gov Demand(ESGSD-K)	358	133	131	82	0	81	2,881,859.97	532,597.89	329,212.14	0.00	307,930.94	1,169,740.97	4,051,600
		37.15%	36.59%	22.91%	0.00%	22.63%							
Large Government(ELGS-L)	42	25	24	21	0	21	2,470,519.87	547,372.54	400,099.58	0.00	394,260.72	1,341,732.84	3,812,252
		59.52%	57.14%	50.00%	0.00%	50.00%							
Gov Streetlight(ESTL-F)	620	429	429	421	113	43	1,332,322.75	381,280.84	382,338.91	92,488.19	71,918.40	928,026.34	2,260,349
		69%	69.19%	67.90%	18.23%	6.94%							
<u>Sub-Total (Government)</u>	1,674	810	806	592	137	196	7,113,223.89	1,562,987.81	1,144,723.32	98,221.60	804,719.02	3,610,651.75	10,723,875
		48.39%	48.15%	35.36%	8.18%	11.71%							
<u>GRAND TOTAL</u>	49,931	5,658	5,375	2,757	1,074	1,617	20,845,474.54	3,339,627.35	2,061,327.50	381,172.95	422,821.12	7,204,948.92	28,050,423
		11.33%	10.76%	5.52%	2.15%	3.24%							

Guam Power Authority
Customer Service Division
Employee Month-To-Date (MTD) Consolidated Report
July 2020

Date: 08/04/2020

Compiled by: RitaTC

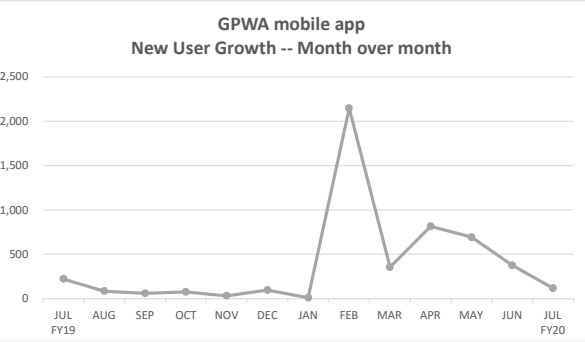
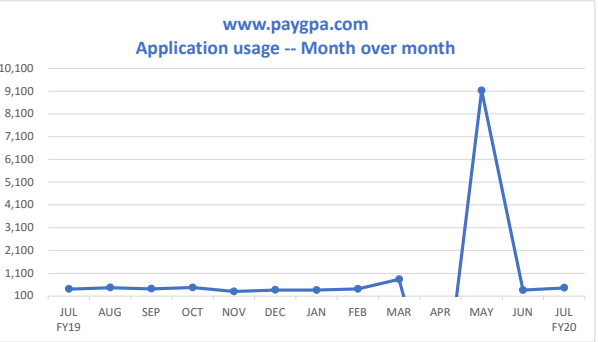
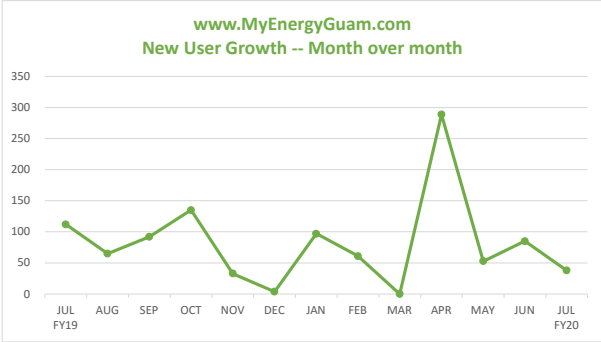
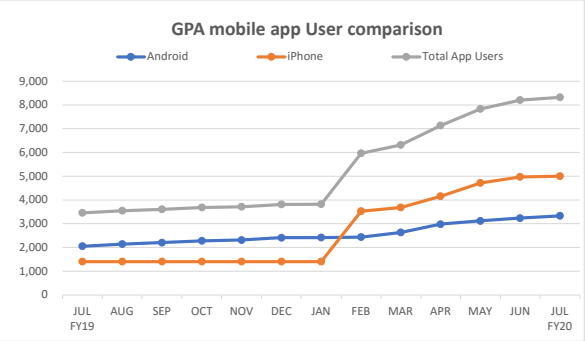
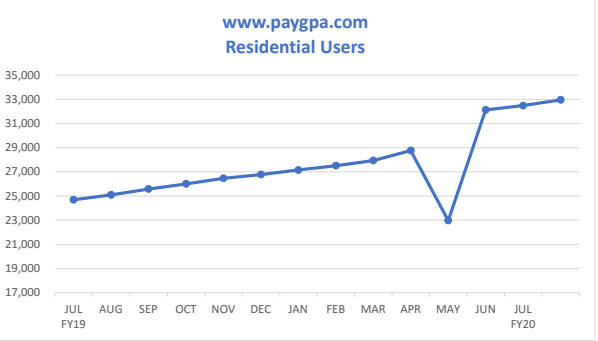
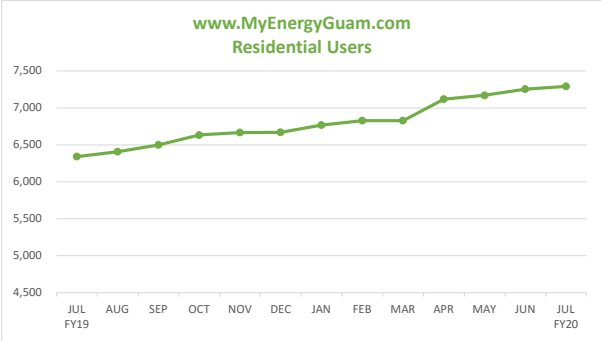
Reviewed by: EDMendiola

Reason(s) for visit	Transaction type	Fadian	% MTD	Julale	% MTD	Tumon	% MTD	TOTAL
New Install - Permanent (NI1)	Application	24	1.7%	0	0.0%	1	0.1%	25
New Install - Temporary (NI2)	Application	14	1.0%	3	0.3%	0	0.0%	17
New Install - Street Light (NI3)	Application	3	0.2%	0	0.0%	1	0.1%	4
Reconnection - Install Meter (NI4)	Application	6	0.4%	1	0.1%	6	0.5%	13
Reconnection - Turn on Meter (NI5)	Application	53	3.8%	43	4.7%	144	10.8%	240
Name Change (NC1)	Application	286	20.5%	92	10.0%	190	14.3%	568
Name Change - Street Light (NC2)	Application	2	0.1%	0	0.0%	0	0.0%	2
Termination - Regular (TE1)	Termination	79	5.7%	77	8.4%	140	10.5%	296
Termination - Name Change (TE2)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Termination - Non Payment (TE3)	Termination	0	0.0%	0	0.0%	1	0.1%	1
Termination - Typhoon (TE4)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Termination - Removal (TE5)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Termination - Street (TE6)	Termination	0	0.0%	2	0.2%	0	0.0%	2
Work Clearance - Emergency (WCE)	Other	5	0.4%	1	0.1%	1	0.1%	7
Work Clearance - Underground (UG)	Other	7	0.5%	1	0.1%	2	0.2%	10
Work Clearance - Overhead (OH)	Other	14	1.0%	1	0.1%	14	1.1%	29
Meter Investigation (INV)	Other	0	0.0%	1	0.1%	0	0.0%	1
Meter Change Out / Calibration (MC1)	Other	0	0.0%	0	0.0%	0	0.0%	0
Meter Upgrade / Downgrade (MC3)	Other	0	0.0%	0	0.0%	0	0.0%	0
Misc Public Service (MPS)	Other	14	1.0%	3	0.3%	7	0.5%	24
Refund (RFD)	Other	7	0.5%	5	0.5%	2	0.2%	14
Relocation of Meter (RM1)	Other	11	0.8%	1	0.1%	1	0.1%	13
Street Light Repair (ST1)	Other	0	0.0%	0	0.0%	0	0.0%	0
Update Special Charge (USC)	Other	0	0.0%	30	3.3%	6	0.5%	36
Inspection Report (IR)	Other	6	0.4%	3	0.3%	19	1.4%	28
Copy of Bill (COB)	Other	84	6.0%	189	20.6%	137	10.3%	410
Bill Inquiry (BILL INQ)	Other	127	9.1%	49	5.3%	130	9.8%	306
Bill Adjustment (BILL ADJ)	Other	1	0.1%	6	0.7%	2	0.2%	9
Address Change (ADDR CHG)	Other	14	1.0%	22	2.4%	16	1.2%	52
Deferred Payment Agreement (DPA)	Other	15	1.1%	1	0.1%	2	0.2%	18
Prepaid	Other	9	0.6%	10	1.1%	18	1.4%	37
Rebate	Other	372	26.6%	145	15.8%	167	12.5%	684
ACH/EFT	Other	5	0.4%	0	0.0%	3	0.2%	8
No Answer	Other	0	0.0%	0	0.0%	0	0.0%	0
Inquiry Type Other	Other	120	8.6%	51	5.5%	157	11.8%	328
Inquiry (INQ)	Active Delinquent	36	2.6%	119	12.9%	49	3.7%	204
Payment in Full (PYMT)	Active Delinquent	6	0.4%	6	0.7%	18	1.4%	30
Do Not Disconnect (DND)	Active Delinquent	0	0.0%	0	0.0%	0	0.0%	0
Extension Pay Plan (EXT)	Active Delinquent	68	4.9%	33	3.6%	76	5.7%	177
Reconnect (REC)	Active Delinquent	0	0.0%	0	0.0%	2	0.2%	2
Inquiry (INQ)	Inactive	8	0.6%	24	2.6%	9	0.7%	41
Payment in Full (PYMT)	Inactive	0	0.0%	0	0.0%	2	0.2%	2
Transfer Balance (TRF BAL)	Inactive	0	0.0%	0	0.0%	8	0.6%	8
Total transactions by location		1,396		919		1,331		3,646
Grand total for all locations								

Duration of <u>wait time</u> for "Visit (V)" type customer contact	Fadian	%	Hagatna	%	Tumon	%
Less than 10 minutes	992	71%	653	71%	945	71%
11-15 minutes	181	13%	139	15%	263	20%
16-30 minutes	205	15%	107	12%	110	8%
More than 30 minutes	18	1%	20	2%	13	1%
Total "Visit (V)" customers contacts	1,396		919		1,331	

Guam Power Authority

Customer Service Division
Online resources usage and growth - Residential Users
as of July 31, 2020

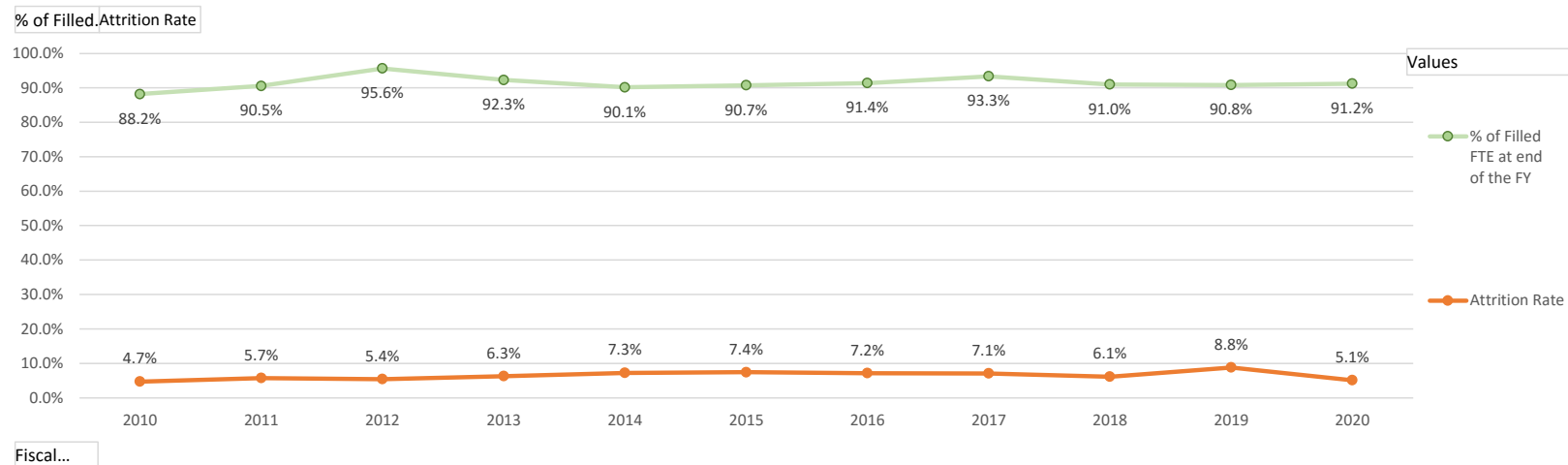


Guam Power Authority

Human Resources Division

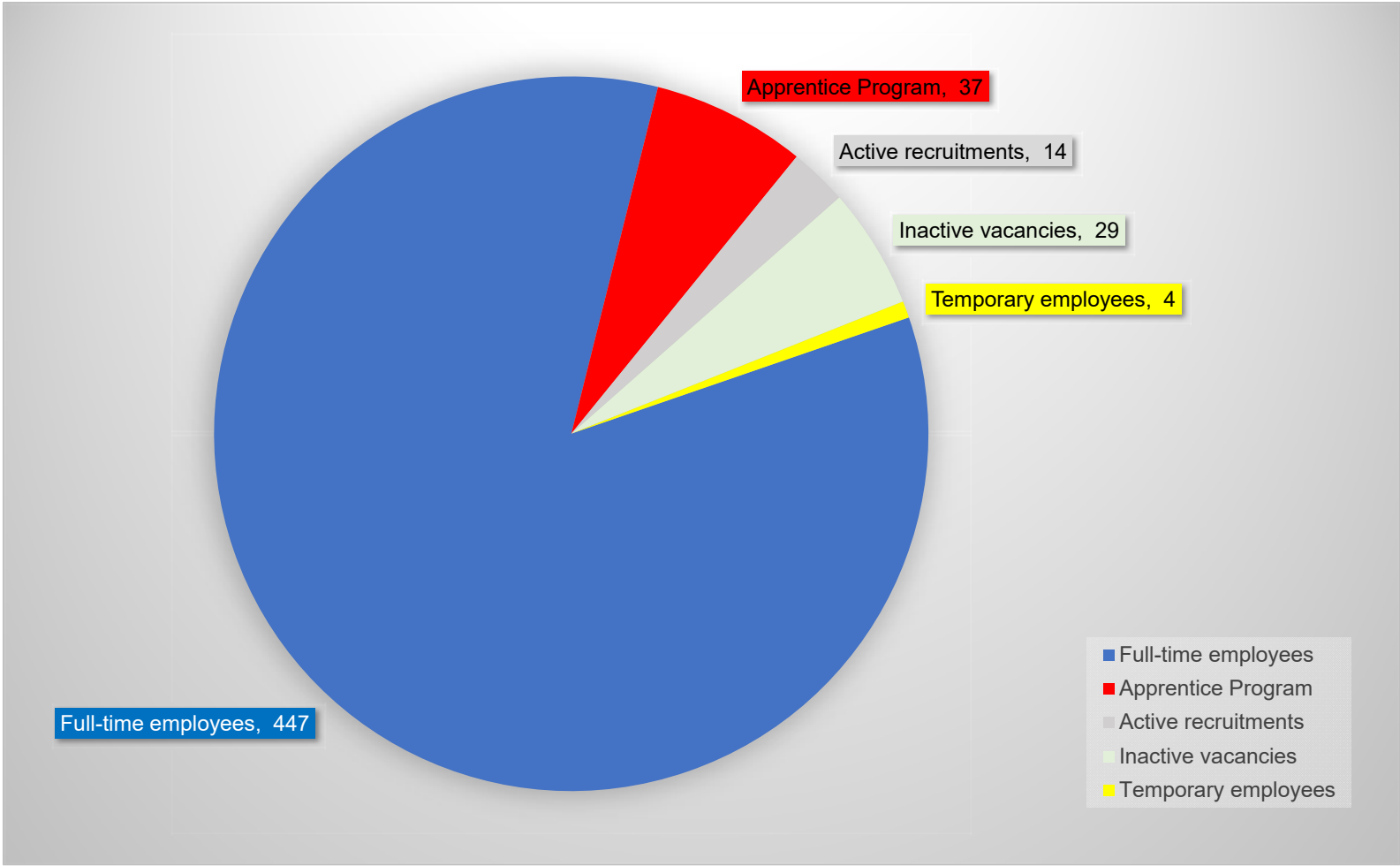
FY 2020 Recruitment Analysis

as of July 31, 2020



Fiscal Year	New Hire	Promotion	Reclassification	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	10	0	1	12	12	4.7%	592	522	88.2%
2011	44	23	6	4	0	14	12	5.7%	592	536	90.5%
2012	36	24	6	1	2	19	7	5.4%	568	543	95.6%
2013	15	26	9	1	3	14	16	6.3%	568	524	92.3%
2014	26	27	8	1	0	13	24	7.3%	568	512	90.1%
2015	15	25	12	2	1	19	16	7.4%	539	489	90.7%
2016	12	20	17	3	1	15	16	7.2%	510	466	91.4%
2017	42	15	21	0	1	13	19	7.1%	510	476	93.3%
2018	17	16	13	0	3	15	11	6.1%	510	464	91.0%
2019	31	20	3	3	3	18	17	8.8%	500	454	90.8%
2020	15	11	6	1	1	8	13	5.1%	490	447	91.2%

Guam Power Authority
Human Resources Division
FY 2020 Staffing Report
as of July 31, 2020



Guam Power Authority

Human Resources Division

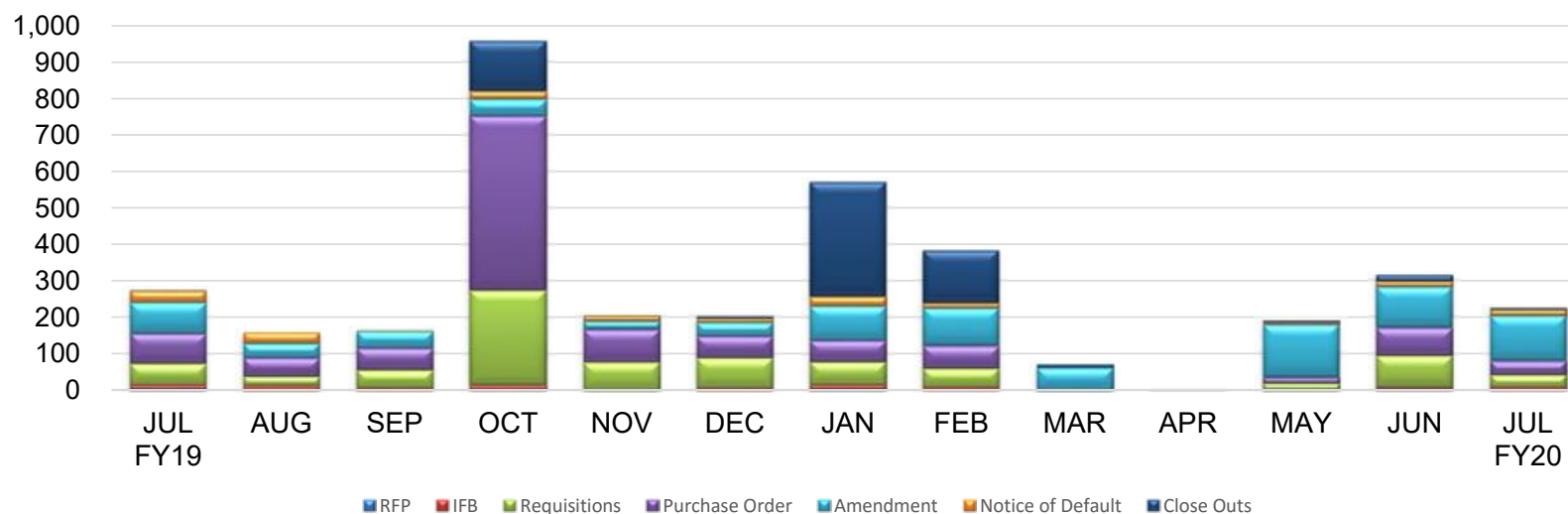
FY 2020 Staffing Report

as of July 31, 2020

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	37	37	2	2	39
Facilities	8	8	1	1	9
Finance	41	41	3	3	44
General Manager (GM)	4	4	-	-	4
Generation	108	106	14	16	122
Human Resources	9	9	1	1	10
Information Technology	16	16	-	-	16
Internal Audit / Revenue Protection	3	3	-	-	3
Planning and Regulatory	8	8	-	-	8
Power System Control Center	27	27	3	3	30
Procurement	22	22	-	-	22
Public Information Office	2	2	-	-	2
Safety	7	7	-	-	7
Strategic Planning and Operations Research Division	10	10	1	1	11
Transmission and Distribution	98	98	13	13	111
Transportation	11	11	-	-	11
Total full-time permanent employees	449	447	41	43	490
Apprenticeship Program	37	37	-	-	37
JOBS Program / GETP / SCSEP*	-	-	-	-	-
Summer Engineering Internship Program	-	-	-	-	-
Temporary hires (Public Law 34-116)	3	3	-	-	3
Work Experience Program	1	1	-	-	1
Total contractual / temporary employees	41	41	-	-	41
Work Force Grand Total	490	488	41	43	531

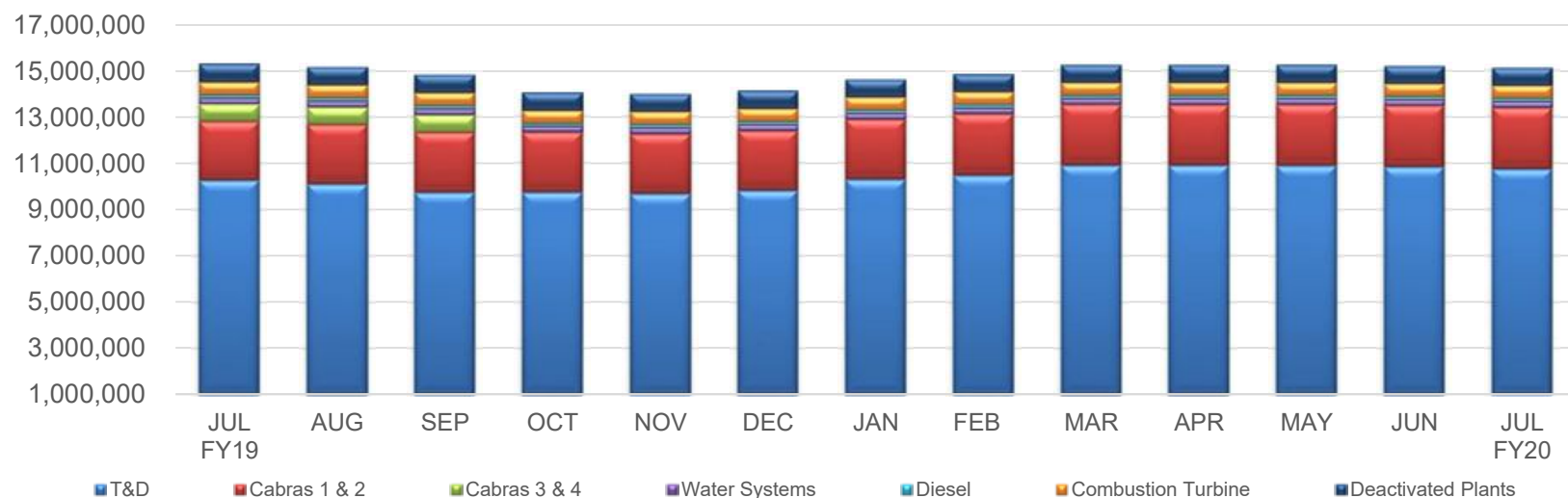
*Job Opportunities & Basic Skills (JOBS) Program, Guam Employment & Training Program (GETP), Senior Community Service Employment Program (SCSEP)

**Guam Power Authority
Procurement Division
FY 2020 GPA Buyer's Monthly Report
as of July 31, 2020**



Month	RFP	IFB	Requisitions	Purchase Order	Amendment	Notice of Default	Close Outs
JUL FY19	2	12	59	82	85	32	2
AUG	0	12	26	51	39	30	0
SEP	0	6	49	59	46	2	0
OCT	1	12	261	478	46	21	138
NOV	0	0	77	89	22	15	1
DEC	0	6	83	59	37	11	7
JAN	3	12	63	59	94	25	314
FEB	1	7	52	62	103	13	144
MAR	0	0	0	0	61	0	9
APR	0	0	0	0	0	0	0
MAY	0	0	19	16	143	6	5
JUN	2	7	86	76	111	15	17
JUL FY20	1	7	34	38	123	16	5

Guam Power Authority Procurement Division FY 2020 GPA Inventory Actuals as of July 31, 2020

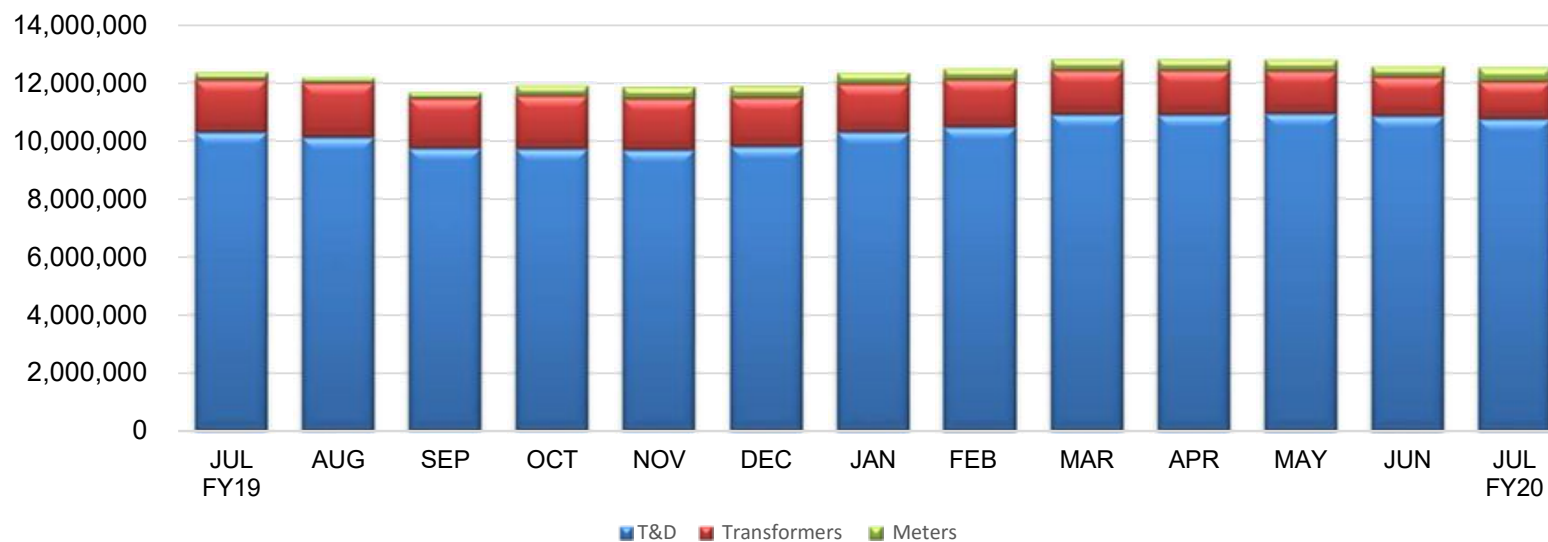


Month	T&D	Cabras 1 & 2	Cabras 3 & 4	Water Systems	Diesel	Combustion Turbine	Deactivated Plants
JUL FY19	10,272,739	2,547,074	747,587	240,126	144,680	573,330	788,101
AUG	10,110,637	2,574,558	747,587	239,171	144,680	573,330	788,101
SEP	9,726,986	2,599,288	757,587	240,153	144,680	573,330	788,096
OCT	9,725,666	2,600,172	0	241,993	131,155	573,454	768,924
NOV	9,676,653	2,583,555	0	241,595	144,680	573,454	768,924
DEC	9,816,091	2,589,773	0	239,124	144,680	573,454	768,924
JAN	10,287,509	2,590,587	0	239,324	144,680	573,454	768,924
FEB	10,474,802	2,648,042	0	234,786	144,680	571,918	767,388
MAR	10,901,323	2,630,656	0	234,869	144,680	571,918	767,388
APR	10,900,511	2,630,656	0	234,869	144,680	571,918	767,388
MAY	10,915,252	2,642,550	0	236,912	144,680	571,918	767,388
JUN	10,842,710	2,653,604	0	231,635	144,680	571,918	767,388
JUL FY20	10,743,076	2,657,323	0	238,195	144,680	571,918	767,388

Guam Power Authority

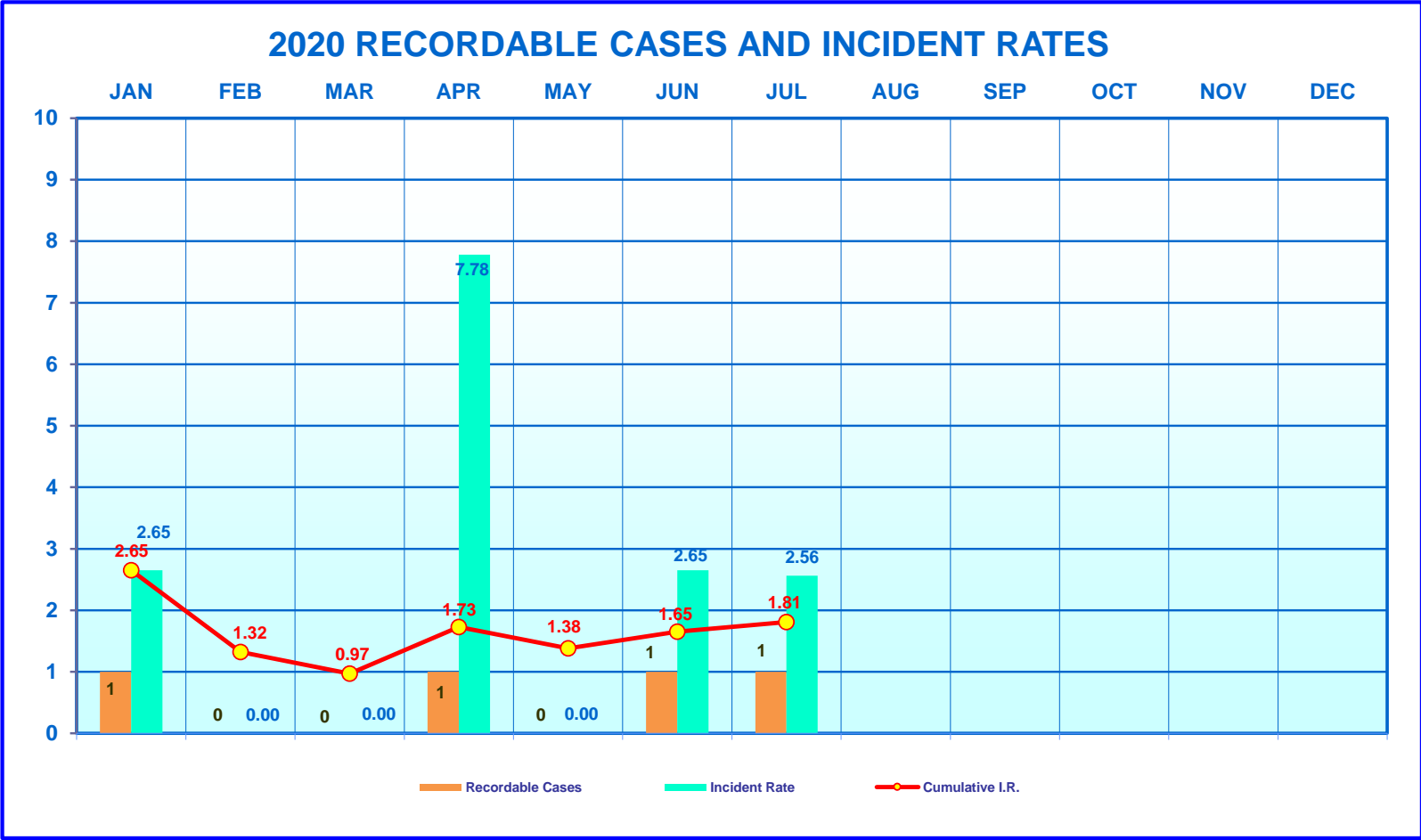
Procurement Division

FY 2020 T&D Inventory Actuals as of July 31, 2020

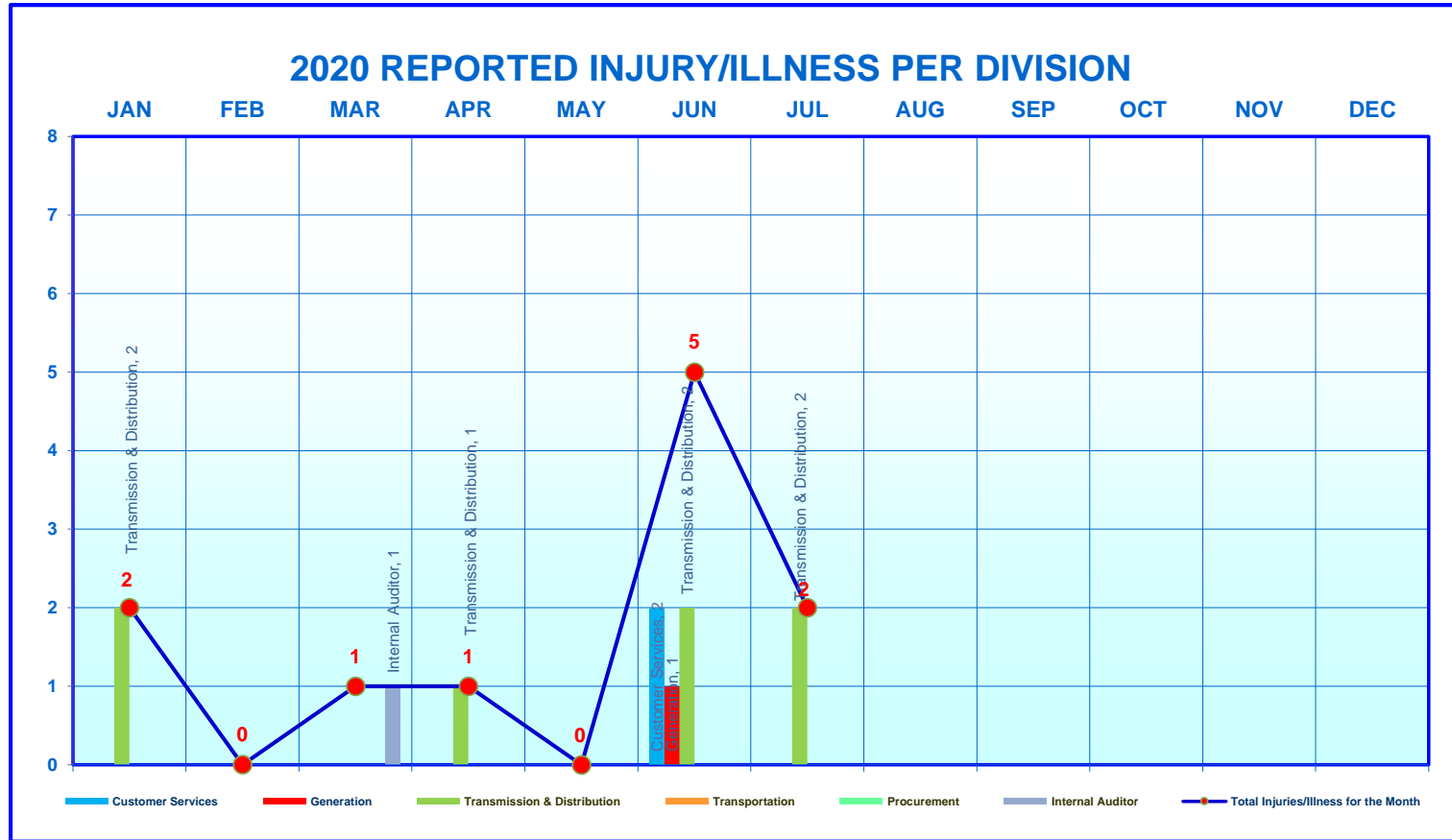


Month	T&D	Transformers	Meters
JUL FY19	10,272,739	1,802,361	268,948
AUG	10,110,637	1,881,402	190,612
SEP	9,726,986	1,715,305	214,728
OCT	9,725,666	1,835,760	358,344
NOV	9,673,653	1,773,932	409,344
DEC	9,816,091	1,687,896	401,032
JAN	10,287,509	1,661,509	384,712
FEB	10,474,802	1,638,253	384,712
MAR	10,901,323	1,536,917	384,712
APR	10,900,551	1,533,782	384,712
MAY	10,915,252	1,484,630	384,712
JUN	10,842,710	1,344,312	366,216
JUL FY20	10,743,076	1,298,114	488,606

2020 Incident Rate

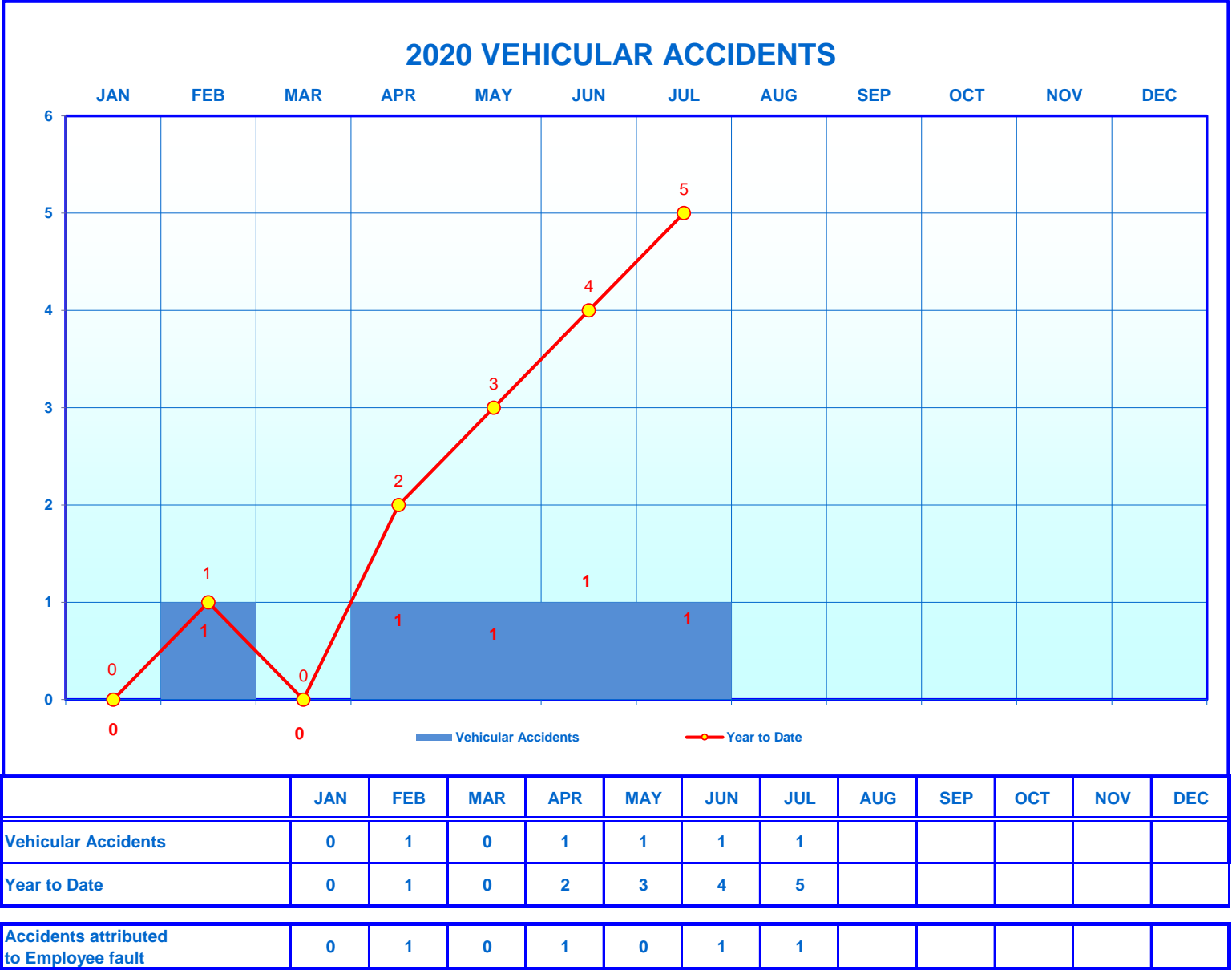


SAFETY DIVISION MONTHLY REPORT



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Customer Services						2						
Generation						1						
Transmission & Distribution	2			1		2	2					
Procurement												
Transportation												
Internal Auditor			1									
Total Injuries/Illness for the Month	2	0	1	1	0	5	2					

SAFETY DIVISION MONTHLY REPORT

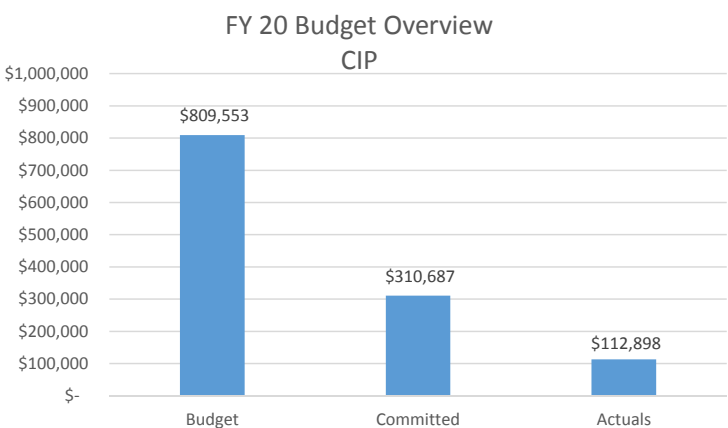
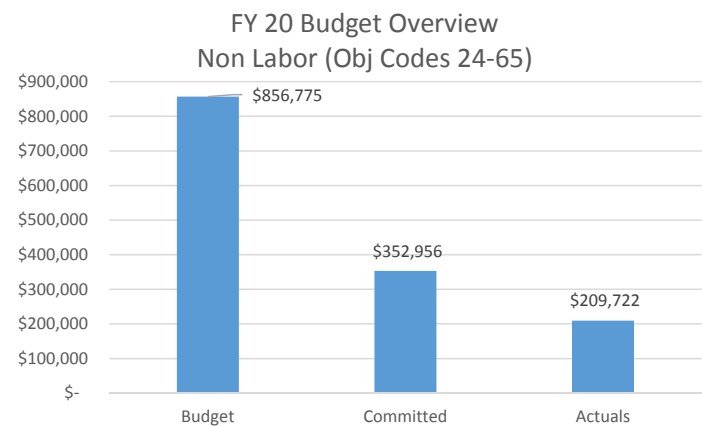


SPORD CCU Report

Update thru August 31, 2020

SPORD FY 2020 Budget Status

thru August 31, 2020



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

SPORD FY 2020 Budget Status

- Major Contracts (Non-O&M) thru August 2020

Contract Description	Budgeted Amount	Committed Amount	Actuals	PO Balance
Aggreko Contract	\$ 13,227,886	\$ 13,227,886	\$ 10,576,016	\$ 2,651,870
Fuel Contracts	\$ 270,418,228	\$ 228,564,476	\$ 135,726,418	\$ 92,838,059
MEC IPP (Piti 8&9)	\$ 18,446,737	\$ 16,796,814	\$ 13,448,114	\$ 3,348,700
Glidepath Contract (Renewable)	\$ 10,184,494	\$ 10,184,494	\$ 9,226,500	\$ 957,994

SPORD FY 2020 Budget Status

Demand Side Management

Description	FY16	FY17	FY18	FY19	FY20	Total to Date
					As of 8/31/20	
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$50,715.19	\$34,009.03	\$144,450.85
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	\$1,374,650.00	\$882,975.00	\$4,319,425.00
Paid Rebates-Central AC	\$3,400.00	\$8,200.00	\$4,400.00	\$6,500.00	\$1,000.00	\$23,500.00
Paid Rebates-Washer/Dryer	\$2,800.00	\$7,425.00	\$57,200.00	\$110,800.00	\$68,200.00	\$246,425.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,553,190.19	\$986,184.03	\$4,975,131.90
Bank Interest (+)	\$1,676.42	\$1,722.74	\$1,222.29	\$730.05	\$426.34	\$5,777.84
Bank Fees	\$155.00	\$1,032.06	\$1,085.08	\$1,247.54	\$325.00	\$3,844.68

Expenses for August 20 are preliminary and may be subject to adjustment during reconciliation process.

Budget Balance*: \$ 335,820.67

*Balance includes LEAC collected funding totaling \$984,241.41 from June thru August.

Ongoing Activities

- Contract Performance Management (IPP, Aggreko)
- Generation Fuel Supply & Fuel Farm Management
- DSM Rebate Processing & UESC Program
- Renewables (Wind Turbine Maint & DOAg MOA, GPS Invoicing, Phase I, II & III Projects)
- Energy Storage System
- 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*	*not required*	TBD	TBD	Contract Negotiations Completed - Pending SOW signature
SPORD (MAT)	Cabras PMC	PMC for Cabras #1 and #2 Steam Power Plant	Res. No 20-13 (6/23/20)	Docket 20-15 (7/30/20)	10/1/2020	9/30/2023	Contact Finalized, awaiting budget approval and processing of Purchase Order.

PROCUREMENT ACTIVITIES**ONGOING PROCUREMENT**

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (RAC)	SCADA	DNP3 SA training			TBD	TBD	Vendor decline to provide price proposal - Re-Bid Plan
SPORD (MAT)	RENEWABLES	Renewable Energy Resource Phase III	MS Bid	GPA-007-18	11/16/2017	9/12/2019 (Price)	Currently under Protest. Hearings started in July 2020 & ongoing.
SPORD (RAC)	STUDIES	Consulting Services for Distribution Study using Smart Grid Analytics	RFP	RE-SOLICITATION RFP-19-002	Feb-19	3/28/2019	Price Negotiations completed Contract Negotiation ongoing
SPORD (MAT)	SPORD Software	Utility Resource Planning Software	RFP	GPA-RFP-20-003	Jan-20	Jun-20	Evaluation of proposals completed. Committee Recommendation (proceed with Price Proposal negotiation) currently under GM review.
SPORD (MAT)	PMC	PMC for Yigo Diesel Generators (currently Aggreko Diesel Units)	IFB	GPA-061-20	Jul-20	Sep-20	Proposals due on 9/18/2020.

DEVELOPING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Projected Start	Projected Completion	Status
SPORD (RAC)	ELECTRIC VEHICLE	Electric Vehicle Infrastructure	RFP	Oct-19	Jun-21	Developing Requirements (hold)
SPORD (ANF/MAT)	FUEL	GPA Bulk Fuel Storage Facility PM C	Bid	FY2021	Sep-21	Developing Specifications to convert to PM C
SPORD (ANF)	FUEL	Bulk ULSD Supply	MS Bid	Feb-20	Dec-20	Bid Package Prepared. Pending upper management advise on issuance date for the solicitation.
SPORD (MAT)	RENEWABLES	Phase IV Renewable Resource Acquisition	(TBD)	Jan-20	Jun-21	Developing Scope of Work & Bid Documents, and currently under management review.
SPORD (RAC)	SCADA	Replicated Database	RFP	May-20	Dec-20	Developing Scope of Work & RFP Documents

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 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 99% completed. Interconnection commissioning completion expected on 9/15. ESS commissioning is expected to be completed by Oct 2020.	Oct-20	MS Bid GPA-082-15
2	Renewable Energy Resource Phase II	KEPCO is continuing with construction - site clearing. They have submitted price proposal for the relay upgrades and notice of Force Majeure due to Covid 19 pandemic. Hanwha's design is ongoing. They have submitted the Electro-Magnetic Transient Study done by EPS. The study is assess the response and performance of the Hanwha's inverter within GPA's system.	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)	Permitting and EIA work is ongoing. GPA met with SHPO twice in August - August 3, 2020, and August 10 to ask SHPO how we can work together to move the project forward. GWA completed their wastewater sampling and submitted report on August 5. KEPCO has finalized the air monitoring site near the plant site. KEPCO has submitted their bid guarantee extension on August 31.	Project COD - Oct. 31, 2022	MS GPA-034-18
4	DSM Marketing	No additional activities funded for remaining of the year.	Continuous	
5	DSM Rebate Program	Processed 1,010 applications for rebates totaling \$288k	Continuous	
6	Wireless Network Expansion	Commenced Southern Expansion Dandan Substation Installation Apra Heights Installation	Feb-21 April 2021	GPA-RFP-19-010
7	Smartworks MDM and Eportal	Training being scheduled Data Migration from Oracle to Postgres (Upgrade to latest version pre-requisite)	Sep-20 Sep-20	GPA-RFP-19-007
8	GDOE BEST Schools	FY 20 DOI Award Projects: 1. Agueda Johnston Middle School LED Lighting Retrofit (\$586,771) 2. Maria Ulloa Elementary School LED Lighting Retrofit (\$522,616) These projects are pending review of environmental documents for issuance NTP notice which will allow purchasing of lighting. Currently evaluating scheduling of projects due to COVID impact on school operations for next fiscal year.	Ongoing	GPA-RFP-16-013

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
9	Supervisory Control and Data Acquisition (SCADA) System	Project Substantially completed Pending Punch-list item OMS to SCADA integration	Feb 2019 (Punchlist items by Sept 2020 due to COVID)	GPA-066-16
10	Mobile Workforce Management System	User Access Training Dry Runs completed -Updates on Screens Ongoing	November '20 (due to COVID delay)	GPA-RFP-18-013
11	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	Price Negotiations completed Contract Negotiation ongoing	(contract negotaiton completion)10/2020	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) Review and adjustment of Recapitalization Projects in-progress. (No issues) MEC provided BWSC Proposal for ULSD May/June 2020, currently under GPA review.	IN PROGRESS	(N/A)
13	Cabars 1&2 PMC Solicitation	Contact Finalized, awaiting budget approval and processing of Purchase Order.	Est. Contract Commencement 10/1/2020.	GPA-035-20
14	EV Infrastructure	Fast charge station scope for Mangilao offices. Developing fast charge station scope for Mangilao offices.	12/1/2020	
15	Renewable Energy Resource Phase III	Currently under Protest. Hearings started in July 2020. Closing arguments provided early August.	TBD	GPA-007-18
16	Utility Energy Services Contract (UESC)	Continued work with GDOE on Best Schools Program (Grant & Pilot) Continued discussions with Navy on preliminary assessment and grant opportunities. Currently reviewing Basic Ordering Agreement with Navy for extension of UESC service.	Ongoing	
17	GPA Fuel Farm RFO Pipeline Repair & Upgrade	c/o Engineering Project Mgt. Repairs completed.	Substantially completed. Awaiting Contractor warranty bond for 1 year	IFB GPA-047-18
18	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt. Design in progress. Delays due to COVID will move project completion into Summer 2020.	Project Timeline: Estimated Start: Jan 2020 Est. Completion: Summer 2020	IFB GPA-027-19
19	Tk 1934 & Tk 1935 API 653 Internal Inspection	c/o Engineering Project Mgt. Implementation in progress. Delays were experienced for Tank 1935 due to COVID however the total project schedule may still be within the projection completion date.	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2022	IFB GPA-028-19

GPA Work Session - September 17, 2020 - DIVISION REPORTS

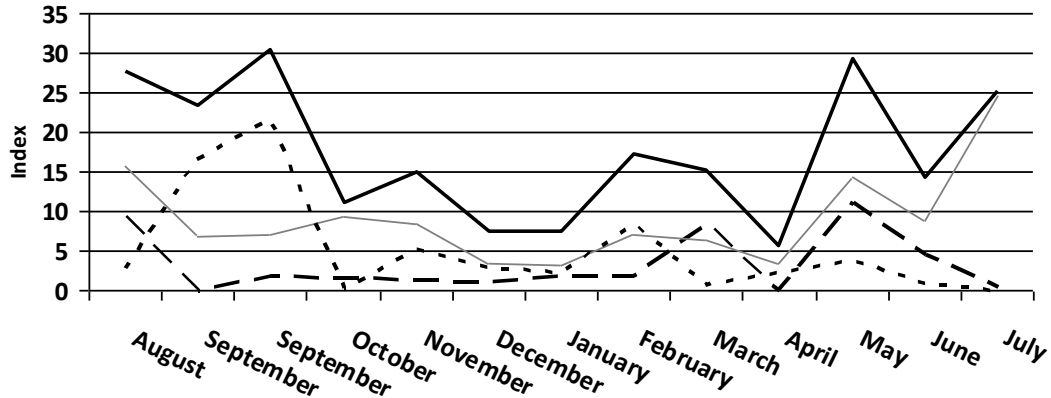
No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
20	Milsoft Systems Software Services	Engineering Analysis Training -January 2020 Completed - Scheduling of OMS-Test Server Re-Installation	Continuous	GPA-RFP-18-003
21	MV90 Integration Services	Contract Negotiations Completed - Pending SOW signature	Feb-21	GPA-RFP-18-001
22	Grant Support	Continued grant development and execution. 1. Guam Energy Office EnergySmart School Grant - GPA working with Siemens to schedule audit of 4 schools under this grant. Energy Audits scheduled for December, 2020 due to COVID-19.	GEO MOA Finalize: Sept '19 Grant Scope Completion: Dec. '21	
23	Redesignation of Cabras-Piti / Guam	Re-designation received 12/2018. SIP Draft sent to Guam EPA week of 10/21/2019. Final clarifications and changes mde to Control Strategy and SIP Modeling Protocol and submitted by GPA Guam EPA via email and hand delivery of printed copy, week of February 10, 2020. Awaiting final decision on AAQM.	Start: October 2011 Est. Completion: April 2020 *Submitted to EPA week of Oct. 21, 2019. Final response from US EPA RIX on was expected by before April 20, 2020 but delayed due to COVID 19 Pandemic.	RFP-11-001
24	GPA Fuel Farm- OWS Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2020	IFB GPA-028-19
25	GPA Fuel Farm- LD System Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2022	IFB GPA-028-19
27	Integrated Resource Plan	Information continues to be obtained to support report development.	TBD	GPA-RFP-17-002 / UFS / S&P
28	Energy Storage Development Support	Consultant providing support for third-party commissioning services	Sept/Oct 2020	GPA-RFP-13-007
29	Utility Resource Planning Software RFP.	Evaluation of proposals completed. Committee Recommendation (proceed with Price Proposal negotiation) currently under GM review.	Planned Completion: 9/30/2021	RFP-20-003
30	Power System Analyses and Studies	Signed contract and PO Acknowledgement received from S&C. System impact studies for Phase III are on hold Phase III Protest.	Estimated Start: Nov 2019 Est. Completion: TBD	

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
31	CT PMC Negotiations	Contract expires February 28, 2021. On-going negotiations with TEMES, Guam Inc.	Estimated Start: Mar 2020 Est. Completion: Dec 2020	TBD
35	Diesel Supply to Tenjo Vista	Bid Package prepared. Approved by CCU (Resolution 2020-02) and PUC (Docket 20-07). For solicitation	Project Timeline: Estimated Start: TBD Est. Completion: TBD	TBD
36	GPA Fuel Farm Mgt Contract	2nd & 3rd Year Contract Extension (10/01/20-09/30/22) approved by CCU (Resolution 2020-03) and PUC (Docket 20-08).	2-year base period: Completed 09/30/19 1st Year Extn: 10/01/19 to 09/30/20 2nd & 3rd Yr Extn: 10/01/20 to 09/30/22	MS IFB GPA-014-17
37	RFO Supply to Baseload Plants	Contract award approved by the CCU and PUC ContractTerm: 3-year base period: 09/01/20 to 08/31/23 w/ 2 Year Extn Option	Solicitation Timeline: Estimated Start: Apr 2020 Est. Completion: Aug 2020 (Solicitation)	MS IFB GPA-050-20
38	Reliability Studies	Completed evaluation and set-up of initial scenarios to determine options for maintaining reliability standard, after new power plant commences operation. Initial analysis focused on determining if Piti 8&9 can be retired.	Est. Completion: 10/31/2020 (same as IRP)	(No consultant)
39	RFO Testing Services Contract	Solicitation in progress- Contract award finalization ContractTerm: 2-year base period: 10/01/20 to 09/30/22 w/ 3 Year Extn Option	Estimated Start: Dec 2019 Est. Completion: Sep 2020	MS IFB GPA-013-20
40	PMC for Yigo Diesel Units (currently Aggreko Diesel Units)	Proposals due on 9/18/2020.	Project Start: July 2020 (procurement) Est. Completion: January 2021	GPA-061-20



(Item 1.1,1.2,1.5) July 2020 SAIDI = 229.78 ↓ (269.02)



ALL

GEN=67.74

(71.09)

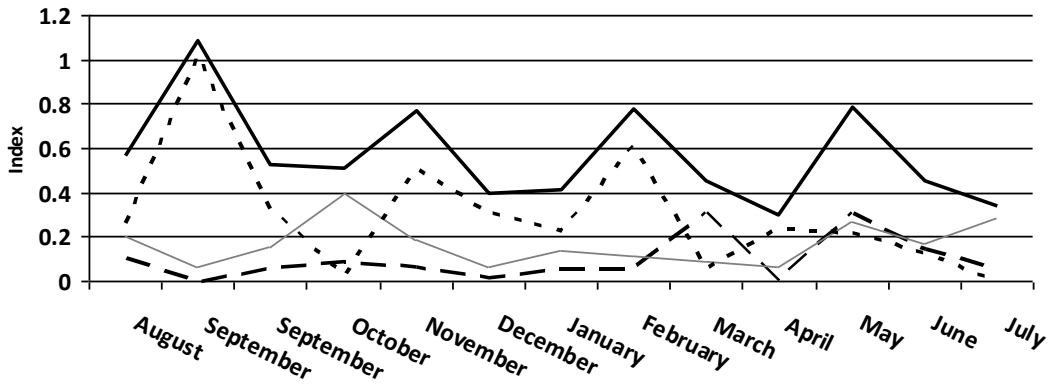
TRANS=43.22

(43.06)

DIST=118.83

(154.87)

(Item 1.1,1.2,1.5) July 2020 SAIFI = 7.39 ↓ (7.49)



ALL

GEN=3.93

(4.25)

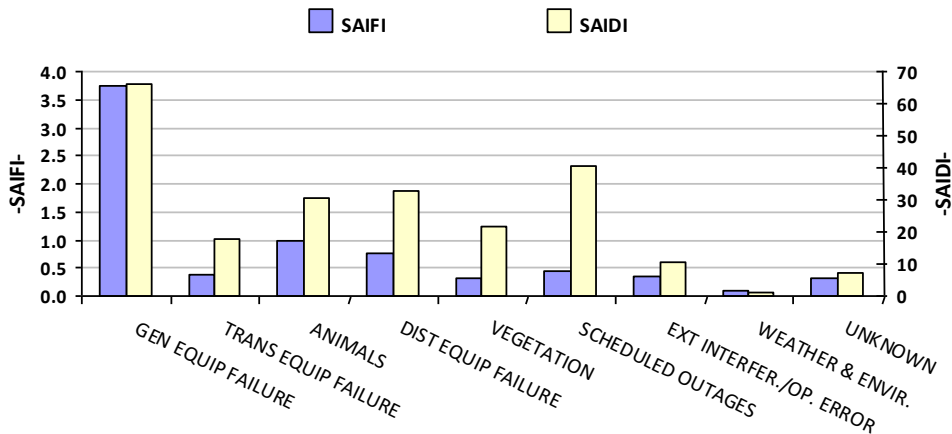
TRANS=1.26

(1.26)

DIST=2.19

(1.97)

(Item 1.9) 12-Month Cause Contributions to Reliability



GEN EQUIP FAILURE

F:48.5% D:28.9%

TRANS EQUIP FAILURE

F:4.0% D:7.9%

ANIMALS

F:11.9% D:13.4%

DIST EQUIP FAILURE

F:9.6% D:14.4%

VEGETATION

F:4.4% D:9.5%

SCHEDULED OUTAGES

F:9.4% D:17.6%

EXT INTERFER./OP. ERROR

F:6.1% D:4.6%

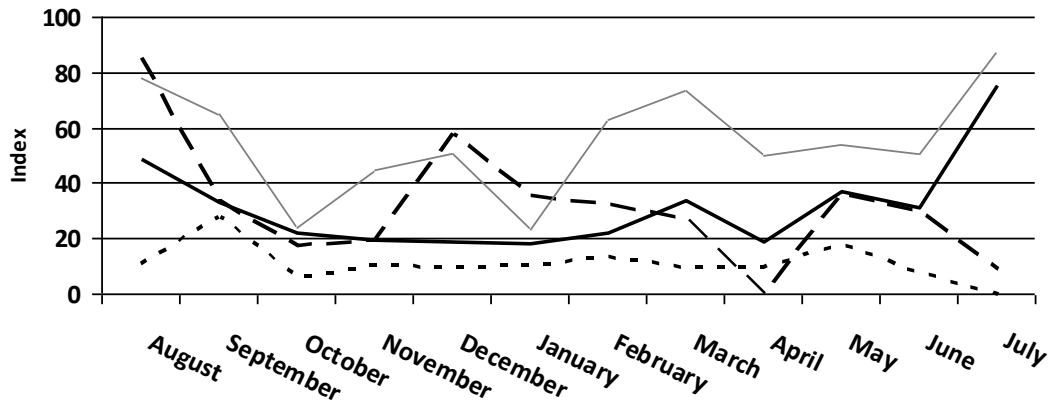
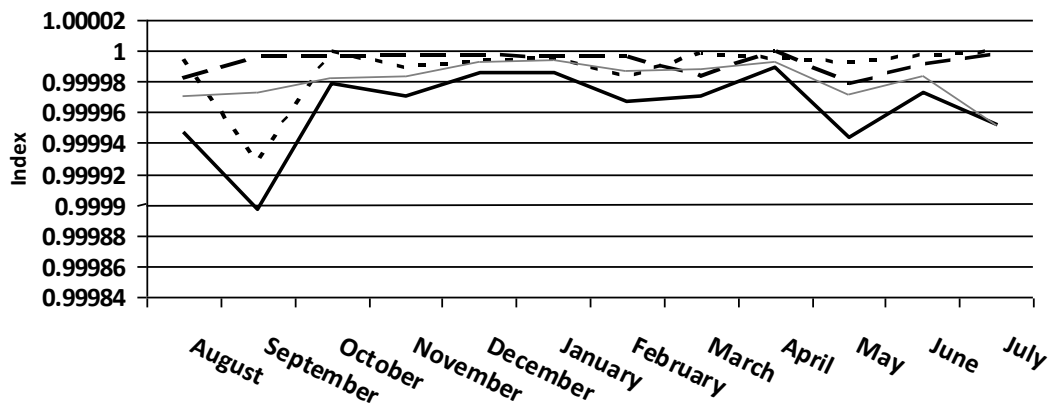
WEATHER & ENVIR.

F:1.3% D:0.5%

UNKNOWN

F:4.8% D:3.2%

As of July 31, 2020

(Item 1.1,1.2,1.5) July 2020 CAIDI = 31.10 ↓ (35.92)**(Item 1.1,1.2,1.5) July 2020 ASAI = 0.9996 ↑ (0.9995)****(Item 1.4) Top 5 Worst Feeders Distribution Causes**

#	Feeder	Outage Count
1	P340	17
2	P294	11
3	P271	9
4	P301	7
5	P261	6

(Item 1.3) Outage Count

TOTAL	UFLS	Non-UFLS
575	309	266

(Item 1.4) Top 5 Distribution Outage Causes

#	Outage Cause	Count
1	Overhead Equipment	45
2	Vegetation	23
3	Wind	22
4	Snakes	19
5	Substation Equipment	7

(Item 1.3) UFLS Contribution to Reliability

SAIDI	SAIFI	CAIDI
78.67	4.43	17.76

E&TS Divisional Report Summary

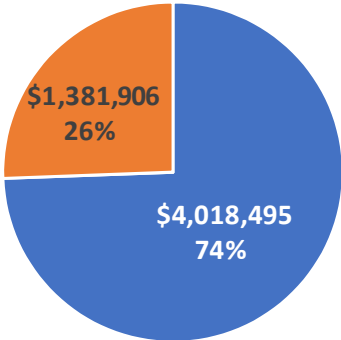
August 31, 2020

Contents

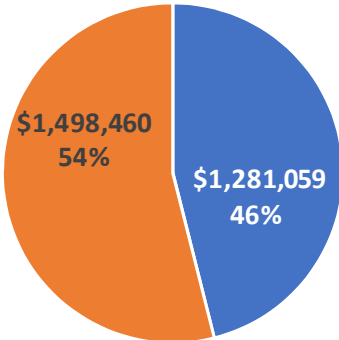
- E&TS Budget Execution Performance
 - O&M Contract Budget
 - CIP Budget
 - DSM Budget
- Environmental Compliance (SPCC and BMP Inspections)

E&TS Budget Execution Performance

E&TS O&M Contract Budget

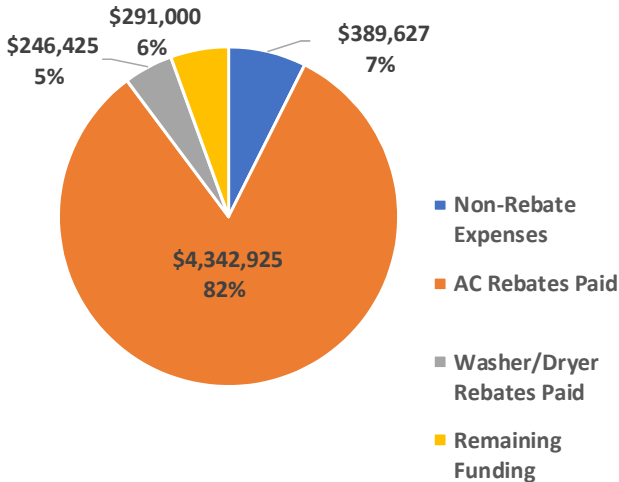


E&TS CIP Budget

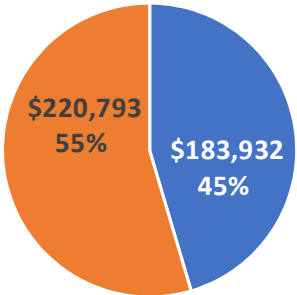


■ Obligated/Spent
■ Remaining Balance

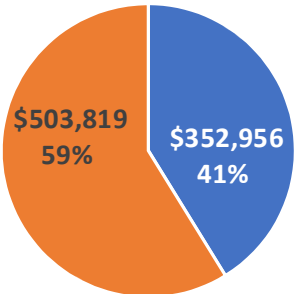
OCT 2016 to AUG 2020 DSM EXPENSE SUMMARY



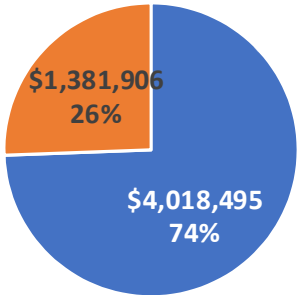
ENG O&M Contract Budget



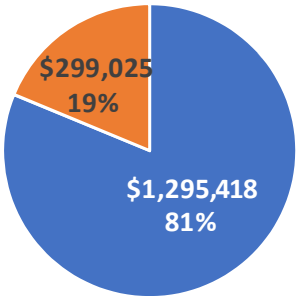
SPORD O&M Contract Budget



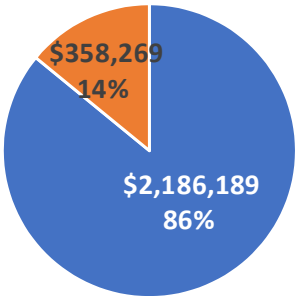
E&TS O&M Contract Budget



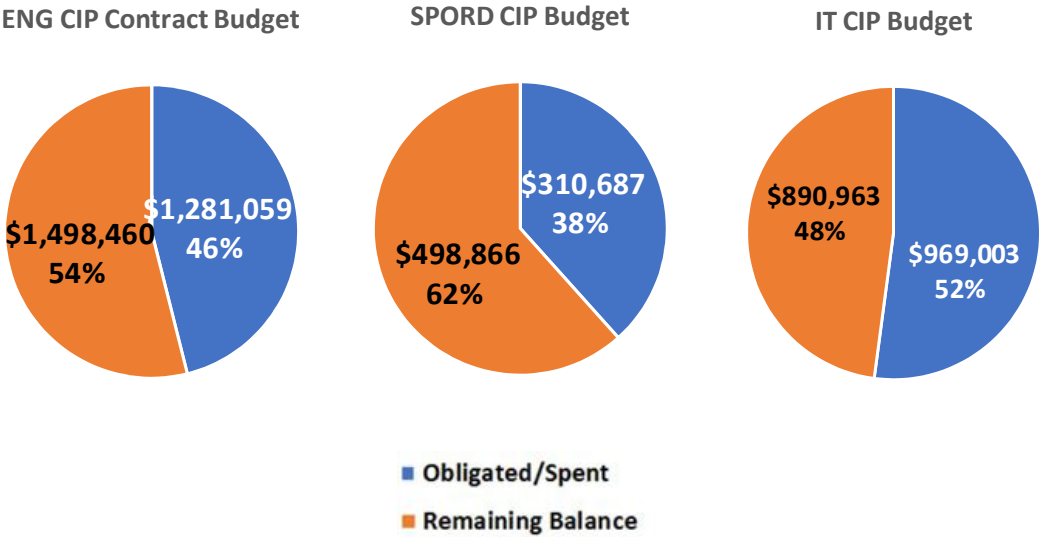
P&R O&M Contract Budget



IT O&M Contract Budget



■ Obligated/Spent
■ Remaining Balance



FY 2020 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			1	1			6	2	2		6	8
Engineering	3	24		27			7	7	2	10		12
SPORD/Engineering				0			0					0
IT	3	5	1	9	1				3	5	1	9
P&R		3	1	4			1			1		1
Total	6	32	3	41	1	0	14	9	7	16	7	30

Environmental Compliance

P&R Inspections Status Ending August 31, 2020

Inspection Type	Organization Responsibility	Violations Not Remediated	Number
Spill Prevention, Control, and Countermeasure (SPCC)	Generation	New Violation Notifications Issued	7
		Remediations Past Due	16
		Remediations Not Past Due	0
	T&D	New Violation Notifications Issued	2
		Remediations Past Due	3
		Remediations Not Past Due	0
Best Management Practices (BMPs)	Generation	New Violation Notifications Issued	
		Remediations Past Due	4
		Remediations Not Past Due	0

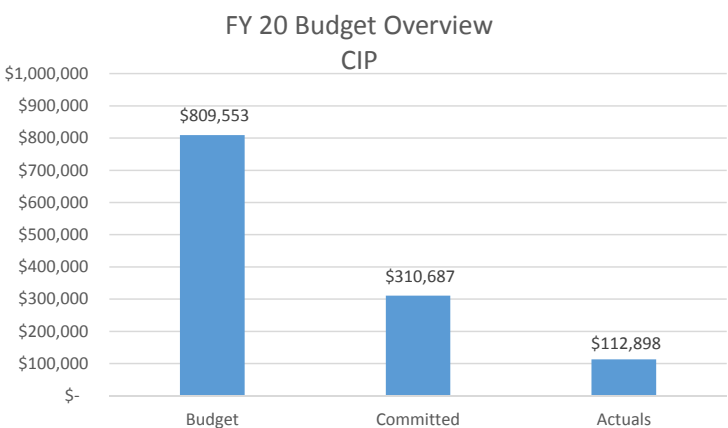
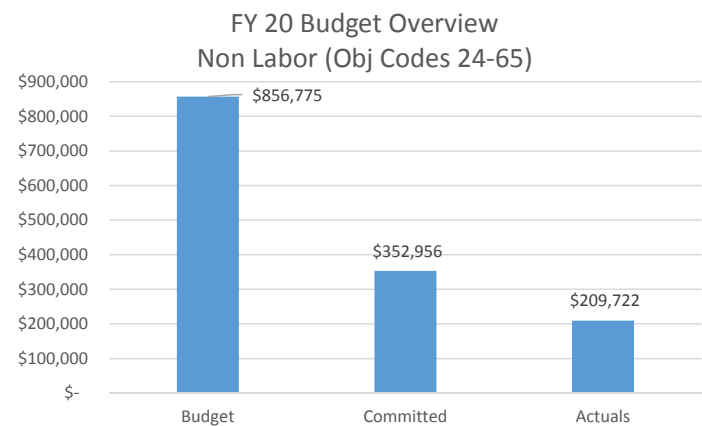
- SPCC rule purpose is to help facilities prevent oil discharges into navigable waters or adjoining shorelines
- BMP refers to a type of auxiliary pollution controls in the fields of industrial wastewater control and municipal sewage control, storm water management, and wetland management

SPORD CCU Report

Update thru August 31, 2020

SPORD FY 2020 Budget Status

thru August 31, 2020



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

SPORD FY 2020 Budget Status

- Major Contracts (Non-O&M) thru August 2020

Contract Description	Budgeted Amount	Committed Amount	Actuals	PO Balance
Aggreko Contract	\$ 13,227,886	\$ 13,227,886	\$ 10,576,016	\$ 2,651,870
Fuel Contracts	\$ 270,418,228	\$ 228,564,476	\$ 135,726,418	\$ 92,838,059
MEC IPP (Piti 8&9)	\$ 18,446,737	\$ 16,796,814	\$ 13,448,114	\$ 3,348,700
Glidepath Contract (Renewable)	\$ 10,184,494	\$ 10,184,494	\$ 9,226,500	\$ 957,994

SPORD FY 2020 Budget Status

Demand Side Management

Description	FY16	FY17	FY18	FY19	FY20	Total to Date
					As of 8/31/20	
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$50,715.19	\$34,009.03	\$144,450.85
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	\$1,374,650.00	\$882,975.00	\$4,319,425.00
Paid Rebates-Central AC	\$3,400.00	\$8,200.00	\$4,400.00	\$6,500.00	\$1,000.00	\$23,500.00
Paid Rebates-Washer/Dryer	\$2,800.00	\$7,425.00	\$57,200.00	\$110,800.00	\$68,200.00	\$246,425.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,553,190.19	\$986,184.03	\$4,975,131.90
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Bank Fees	\$155.00	\$1,032.06	\$1,085.08	\$1,247.54	\$325.00	\$3,844.68

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- Renewables (Wind Turbine Maint & DOAg MOA, GPS Invoicing, Phase I, II & III Projects)
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PROCUREMENT ACTIVITIES**PENDING AWARD / NTP**

Responsible	PROJECT	Description	CCU Date Approved (Resolution No.)	PUC Date Approved (Docket No.)	Projected Start*	Projected Completion	Status
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SPORD (MAT)	Cabras PMC	PMC for Cabras #1 and #2 Steam Power Plant	Res. No 20-13 (6/23/20)	Docket 20-15 (7/30/20)	10/1/2020	9/30/2023	Contact Finalized, awaiting budget approval and processing of Purchase Order.

PROCUREMENT ACTIVITIES**ONGOING PROCUREMENT**

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
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SPORD (MAT)	PMC	PMC for Yigo Diesel Generators (currently Aggreko Diesel Units)	IFB	GPA-061-20	Jul-20	Sep-20	Proposals due on 9/18/2020.

DEVELOPING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Projected Start	Projected Completion	Status
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GPA Work Session - September 17, 2020 - DIVISION REPORTS

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3	New Power Plant Bid (EPCM)	Permitting and EIA work is ongoing. GPA met with SHPO twice in August - August 3, 2020, and August 10 to ask SHPO how we can work together to move the project forward. GWA completed their wastewater sampling and submitted report on August 5. KEPCO has finalized the air monitoring site near the plant site. KEPCO has submitted their bid guarantee extension on August 31.	Project COD - Oct. 31, 2022	MS GPA-034-18
4	DSM Marketing	No additional activities funded for remaining of the year.	Continuous	
5	DSM Rebate Program	Processed 1,010 applications for rebates totaling \$288k	Continuous	
6	Wireless Network Expansion	Commenced Southern Expansion Dandan Substation Installation Apra Heights Installation	Feb-21 April 2021	GPA-RFP-19-010
7	Smartworks MDM and Eportal	Training being scheduled Data Migration from Oracle to Postgres (Upgrade to latest version pre-requisite)	Sep-20 Sep-20	GPA-RFP-19-007
8	GDOE BEST Schools	FY 20 DOI Award Projects: 1. Agueda Johnston Middle School LED Lighting Retrofit (\$586,771) 2. Maria Ulloa Elementary School LED Lighting Retrofit (\$522,616) These projects are pending review of environmental documents for issuance NTP notice which will allow purchasing of lighting. Currently evaluating scheduling of projects due to COVID impact on school operations for next fiscal year.	Ongoing	GPA-RFP-16-013

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
9	Supervisory Control and Data Acquisition (SCADA) System	Project Substantially completed Pending Punch-list item OMS to SCADA integration	Feb 2019 (Punchlist items by Sept 2020 due to COVID)	GPA-066-16
10	Mobile Workforce Management System	User Access Training Dry Runs completed -Updates on Screens Ongoing	November '20 (due to COVID delay)	GPA-RFP-18-013
11	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	Price Negotiations completed Contract Negotiation ongoing	(contract negotaiton completion)10/2020	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) Review and adjustment of Recapitalization Projects in-progress. (No issues) MEC provided BWSC Proposal for ULSD May/June 2020, currently under GPA review.	IN PROGRESS	(N/A)
13	Cabars 1&2 PMC Solicitation	Contact Finalized, awaiting budget approval and processing of Purchase Order.	Est. Contract Commencement 10/1/2020.	GPA-035-20
14	EV Infrastructure	Fast charge station scope for Mangilao offices. Developing fast charge station scope for Mangilao offices.	12/1/2020	
15	Renewable Energy Resource Phase III	Currently under Protest. Hearings started in July 2020. Closing arguments provided early August.	TBD	GPA-007-18
16	Utility Energy Services Contract (UESC)	Continued work with GDOE on Best Schools Program (Grant & Pilot) Continued discussions with Navy on preliminary assessment and grant opportunities. Currently reviewing Basic Ordering Agreement with Navy for extension of UESC service.	Ongoing	
17	GPA Fuel Farm RFO Pipeline Repair & Upgrade	c/o Engineering Project Mgt. Repairs completed.	Substantially completed. Awaiting Contractor warranty bond for 1 year	IFB GPA-047-18
18	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt. Design in progress. Delays due to COVID will move project completion into Summer 2020.	Project Timeline: Estimated Start: Jan 2020 Est. Completion: Summer 2020	IFB GPA-027-19
19	Tk 1934 & Tk1935 API 653 Internal Inspection	c/o Engineering Project Mgt. Implementation in progress. Delays were experienced for Tank 1935 due to COVID however the total project schedule may still be within the projection completion date.	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2022	IFB GPA-028-19

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
20	Milsoft Systems Software Services	Engineering Analysis Training -January 2020 Completed - Scheduling of OMS-Test Server Re-Installation	Continuous	GPA-RFP-18-003
21	MV90 Integration Services	Contract Negotiations Completed - Pending SOW signature	Feb-21	GPA-RFP-18-001
22	Grant Support	Continued grant development and execution. 1. Guam Energy Office EnergySmart School Grant - GPA working with Siemens to schedule audit of 4 schools under this grant. Energy Audits scheduled for December, 2020 due to COVID-19.	GEO MOA Finalize: Sept '19 Grant Scope Completion: Dec. '21	
23	Redesignation of Cabras-Piti / Guam	Re-designation received 12/2018. SIP Draft sent to Guam EPA week of 10/21/2019. Final clarifications and changes mde to Control Strategy and SIP Modeling Protocol and submitted by GPA Guam EPA via email and hand delivery of printed copy, week of February 10, 2020. Awaiting final decision on AAQM.	Start: October 2011 Est. Completion: April 2020 *Submitted to EPA week of Oct. 21, 2019. Final response from US EPA RIX on was expected by before April 20, 2020 but delayed due to COVID 19 Pandemic.	RFP-11-001
24	GPA Fuel Farm- OWS Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2020	IFB GPA-028-19
25	GPA Fuel Farm- LD System Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair. Implementation in progress	Project Timeline: Estimated Start: Feb 2020 Est. Completion: Dec 2022	IFB GPA-028-19
27	Integrated Resource Plan	Information continues to be obtained to support report development.	TBD	GPA-RFP-17-002 / UFS / S&P
28	Energy Storage Development Support	Consultant providing support for third-party commissioning services	Sept/Oct 2020	GPA-RFP-13-007
29	Utility Resource Planning Software RFP.	Evaluation of proposals completed. Committee Recommendation (proceed with Price Proposal negotiation) currently under GM review.	Planned Completion: 9/30/2021	RFP-20-003
30	Power System Analyses and Studies	Signed contract and PO Acknowledgement received from S&C. System impact studies for Phase III are on hold Phase III Protest.	Estimated Start: Nov 2019 Est. Completion: TBD	

GPA Work Session - September 17, 2020 - DIVISION REPORTS

No.	Project Description	August 2020 Activities	Status / Est. Completion	RFP/Bid No
31	CT PMC Negotiations	Contract expires February 28, 2021. On-going negotiations with TEMES, Guam Inc.	Estimated Start: Mar 2020 Est. Completion: Dec 2020	TBD
35	Diesel Supply to Tenjo Vista	Bid Package prepared. Approved by CCU (Resolution 2020-02) and PUC (Docket 20-07). For solicitation	Project Timeline: Estimated Start: TBD Est. Completion: TBD	TBD
36	GPA Fuel Farm Mgt Contract	2nd & 3rd Year Contract Extension (10/01/20-09/30/22) approved by CCU (Resolution 2020-03) and PUC (Docket 20-08).	2-year base period: Completed 09/30/19 1st Year Extn: 10/01/19 to 09/30/20 2nd & 3rd Yr Extn: 10/01/20 to 09/30/22	MS IFB GPA-014-17
37	RFO Supply to Baseload Plants	Contract award approved by the CCU and PUC ContractTerm: 3-year base period: 09/01/20 to 08/31/23 w/ 2 Year Extn Option	Solicitation Timeline: Estimated Start: Apr 2020 Est. Completion: Aug 2020 (Solicitation)	MS IFB GPA-050-20
38	Reliability Studies	Completed evaluation and set-up of initial scenarios to determine options for maintaining reliability standard, after new power plant commences operation. Initial analysis focused on determining if Piti 8&9 can be retired.	Est. Completion: 10/31/2020 (same as IRP)	(No consultant)
39	RFO Testing Services Contract	Solicitation in progress- Contract award finalization ContractTerm: 2-year base period: 10/01/20 to 09/30/22 w/ 3 Year Extn Option	Estimated Start: Dec 2019 Est. Completion: Sep 2020	MS IFB GPA-013-20
40	PMC for Yigo Diesel Units (currently Aggreko Diesel Units)	Proposals due on 9/18/2020.	Project Start: July 2020 (procurement) Est. Completion: January 2021	GPA-061-20

CCU Report- DSM

As of August 31, 2020

All Expenses – Fiscal Year

Description	FY16	FY17	FY18	FY19	FY20	Total to Date
					As of 8/31/20	
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$50,715.19	\$34,009.03	\$144,450.85
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	\$1,374,650.00	\$882,975.00	\$4,319,425.00
Paid Rebates-Central AC	\$3,400.00	\$8,200.00	\$4,400.00	\$6,500.00	\$1,000.00	\$23,500.00
Paid Rebates-Washer/Dryer	\$2,800.00	\$7,425.00	\$57,200.00	\$110,800.00	\$68,200.00	\$246,425.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,554,524.33	\$1,553,190.19	\$986,184.03	\$4,975,131.90
Bank Interest (+)	\$1,676.42	\$1,722.74	\$1,222.29	\$730.05	\$426.34	\$5,777.84
Bank Fees	\$155.00	\$1,032.06	\$1,085.08	\$1,247.54	\$325.00	\$3,844.68

**Expenses are preliminary and may be subject to adjustment during reconciliation process.*

DSM Funding

No.	Description	Amount
1	Initial DSM Budget FY 2016	\$ 1,806,014.00
2	Interest Income	\$5,777.84
3	Bank Fees	\$ 3,844.68
4	Additional Budget:	
	▪ Bond Refinance 2017	\$ 1,139,189.00
	▪ Revenue Funds FY2019	\$ 1,031,500.00
	▪ Revenue Funds FY2020	\$ 348,075.00
	▪ LEAC – FY2020	\$ 984,241.41
5	Total Expense as of Report	\$4,975,131.90
	DSM Ending Balance	\$ 335,820.67

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

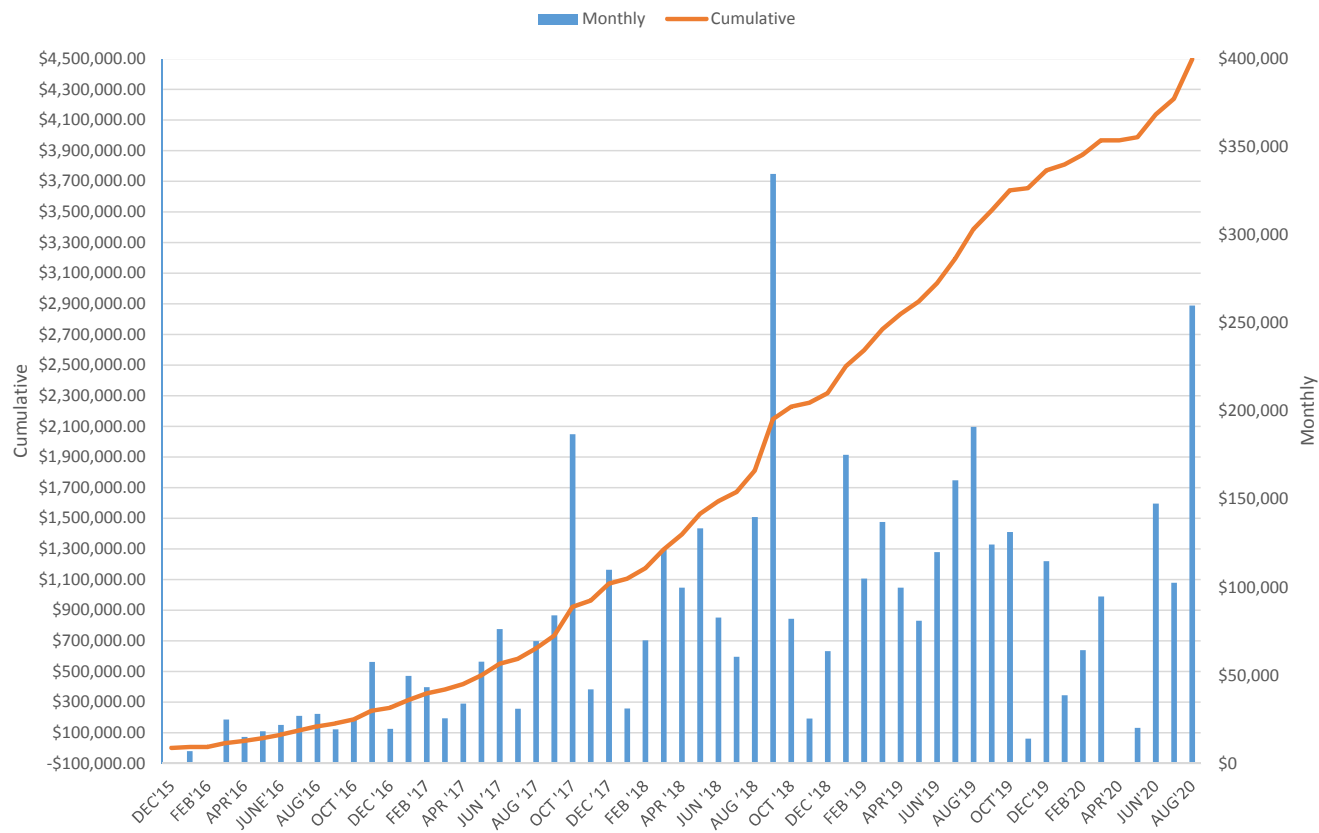
Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '18	\$ 82,000.00	\$ 75,400.00	\$ -	\$ 6,600.00
NOV '18	\$ 25,425.00	\$ 23,425.00	\$ -	\$ 2,000.00
DEC '18	\$ 63,925.00	\$ 62,525.00	\$ -	\$ 1,400.00
JAN '19	\$ 175,150.00	\$ 158,150.00	\$ -	\$ 17,000.00
FEB '19	\$ 104,925.00	\$ 96,125.00	\$ -	\$ 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	\$ 120,525.00	\$ 110,125.00	\$ 800.00	\$ 9,600.00
JUL '19	\$ 162,350.00	\$ 152,350.00	\$ 800.00	\$ 9,200.00
AUG '19	\$ 191,175.00	\$ 184,075.00	\$ 500.00	\$ 6,600.00
SEP '19	\$ 124,200.00	\$ 115,500.00	\$ 500.00	\$ 8,200.00
TOTALS	\$ 1,255,475.00	\$ 1,156,475.00	\$ 6,000.00	\$ 93,000.00

* FY18 Finance Adjustment

FY 2020- Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '19	\$131,300.00	\$120,000.00	\$500.00	\$10,800.00
NOV '19	\$14,050.00	\$13,650.00	\$0.00	\$400.00
DEC '19	\$114,775.00	\$104,275.00	\$500.00	\$10,000.00
JAN '20	\$38,650.00	\$36,650.00	\$0.00	\$2,000.00
FEB '20	\$64,250.00	\$59,650.00	\$0.00	\$4,600.00
MAR '20	\$94,675.00	\$85,075.00	-	\$9,600.00
APR '20	-	-	-	-
MAY '20	\$20,175.00	\$18,375.00	-	\$1,800.00
JUN '20	\$147,475.00	\$139,875.00	-	\$7,600.00
JUL '20	\$102,500.00	\$91,000.00	\$500.00	\$11,000.00
AUG '20	\$259,825.00	\$245,025.00	-	\$14,800.00
SEP '20	-	-	-	-
TOTALS	\$987,675.00	\$913,575.00	\$1,500.00	\$72,600.00

FY'17- FY'20 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

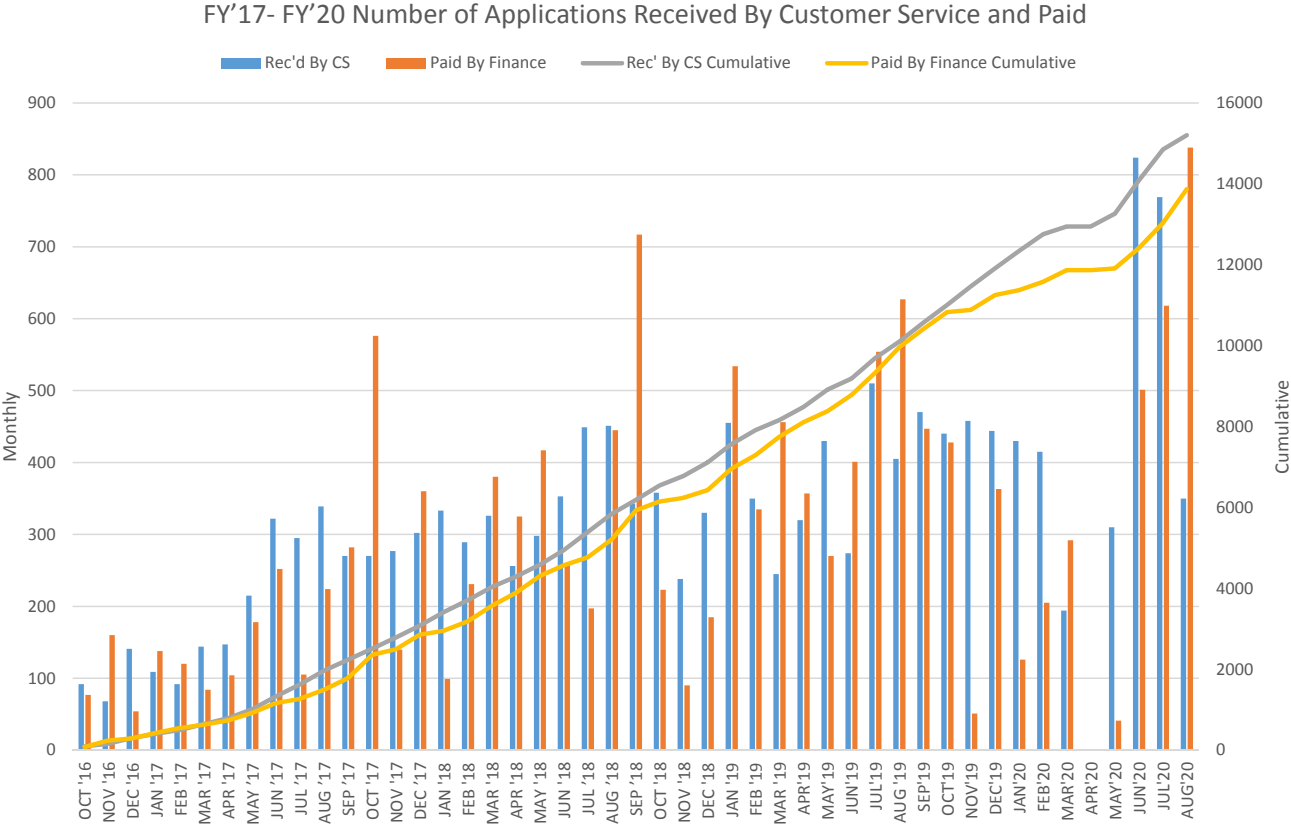
FY 2019 Number of Applications Received By Customer Service and Paid Monthly

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	470	447

FY 2020 Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCT '19	440	428
NOV '19	458	51
DEC '19	318	363
JAN'20	431	126
FEB '20	393	205
MAR '20	194	292
APR '20	0	0
MAY '20	434	41
JUN '20	824	501
JUL '20	806	618
AUG '20	385	838
SEP '20		

FY'17- FY'20 Number of Applications Received By Customer Service and Paid

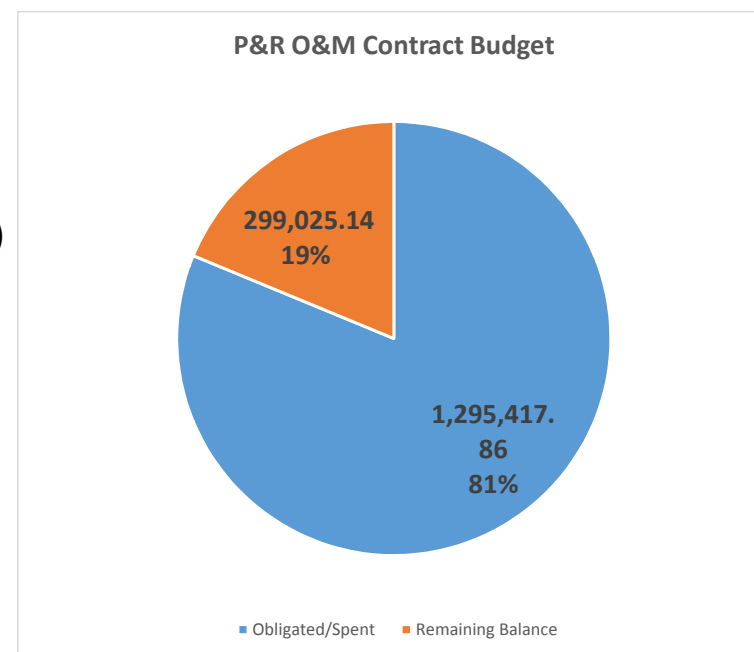


Planning & Regulatory CCU Report

August 31, 2020

Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
 - 0.10% O&M Obligation as of October 31, 2019 (Actual)
 - 26.62% O&M Obligation as of December 31, 2019 (Actual)
 - 56.07% O&M Obligation as of January 31, 2020 (Actual)
 - 72.80% O&M Obligation as of June 30, 2020 (Actual)
 - 80.78% O&M Obligation as of July 31, 2020 (Actual)
 - 81.25% O&M Obligation as of August 31, 2020 (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 2020**

LEGEND OF TRACKING



Notification Date



Completed





Within Scheduled Remediation
Period

Deadline is Past Due

INSPECTOR: NOEL P. CRUZ

LOCATION	WE 08/07/20 FINDINGS	WE 08/14/20 FINDINGS	WE 08/21/20 FINDINGS	WE 08/28/20 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility		Oil from sump pit overflow at Cabras 3&4 generator engine	CORRECTIVE ACTION COMPLETED		Remove oil and conduct cleanup Monitor continuously for rainwater accumulation	8/14/2020	ASAP	8/21/2020	
				Standing oily water at engine bay, Cabras 3 area	Conduct cleanup	8/28/2020	ASAP		
		Pile of debris and green waste near the ponding basin & Cabras 3&4 OWS	Pile of debris and green waste near the ponding basin & Cabras 3&4 OWS	Pile of debris and green waste near the ponding basin & Cabras 3&4 OWS	Remove vegetation asap	2/7/2020	ASAP		

Weekly BMP Report

WEEKLY BMP REPORT SUMMARY CABRAS POWER PLANT MONTH OF AUGUST 2020									
<div> <div>  Notification Date  Within Scheduled Remediation Period </div> <div>  Completed  Deadline is Past Due </div> </div>									
INSPECTOR: NOEL P. CRUZ									
LOCATION	WE 08/07/20 FINDINGS	WE 08/14/20 FINDINGS	WE 08/21/20 FINDINGS	WE 08/28/20 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility		Metal debris from Cabras 3&4 near the outfall	Metal debris from Cabras 3&4 near the outfall	Metal debris from Cabras 3&4 near the outfall	Dispose metal structure and debris	2/7/2020	ASAP		
		Oil in sump pit, Cabras 3&4	Oil in sump pit, Cabras 3&5	Oil in sump pit, Cabras 3&6	Remaining oil must be pumped out to prevent accidental overflow due to rainwater accumulation	6/12/2020	ASAP		
		Pile of dirt with oil (from previous spill incident at WOF) stockpile near SPCC building	CORRECTIVE ACTION COMPLETED		Remove dirt	7/17/2020	ASAP	8/14/2020	

Weekly BMP Report

**WEEKLY BMP REPORT SUMMARY
CABRAS POWER PLANT
MONTH OF AUGUST 2020**

LEGEND OF TRACKING



Notification Date



Completed

Within Scheduled Remediation
Period

Deadline is Past Due

INSPECTOR: NOEL P. CRUZ

LOCATION	WE 08/07/20 FINDINGS	WE 08/14/20 FINDINGS	WE 08/21/20 FINDINGS	WE 08/28/20 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility		Recycle bin needs to be emptied of waste/recyclable materials	CORRECTIVE ACTION COMPLETED		Schedule pickup/disposal with recycling contractor	7/24/2020	ASAP	8/14/2020	
		White goods waste located next to recycle bin	White goods waste located next to recycle bin	White goods waste located next to recycle bin	Remove	8/14/2020	ASAP		
		Fuel line corrosion at refilling valve pit	Fuel line corrosion at refilling valve pit	Fuel line corrosion at refilling valve pit	Repair	8/14/2020	ASAP		

Weekly BMP Report

**WEEKLY BMP REPORT SUMMARY
CABRAS POWER PLANT
MONTH OF AUGUST 2020**

LEGEND OF TRACKING



Notification Date



Completed





Within Scheduled Remediation
Period

Deadline is Past Due

INSPECTOR: NOEL P. CRUZ

LOCATION	WE 08/07/20 FINDINGS	WE 08/14/20 FINDINGS	WE 08/21/20 FINDINGS	WE 08/28/20 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
Cabras Facility				Standing water inside refilling valve pit	Remove water	8/28/2020	ASAP		
Chemical Storage Building (Cabras 1, 2, 3, & 4)		Sulfuric acid spill in chemical storage area	Sulfuric acid spill in chemical storage area	Sulfuric acid spill in chemical storage area	Conduct cleanup. Action taken: Bid process initiated to procure services to conduct cleanup/ disposal	12/20/2019	ASAP		

T&D SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT MONTH OF AUGUST 2020								
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	T-191 & T-192	Algae accumulation in secondary containment	Conduct cleanup				ASAP	February 2020
DEDEDO SUBSTATION WAREHOUSE	Transformer Storage Area	Large accumulation of used transformers and scrap metal in yard for salvage	Schedule disposal ASAP				ASAP	December 2019
	Drain Pit	Drain pit full of waste oil and drums are full of waste pads	Remove/dispose	Corrective action completed		August 2020	ASAP	July 2020
	Secondary Containment	Water accumulation	Frequent monitoring is recommended due to inclement weather				ASAP	August 2020
MACHECHE SUBSTATION	Secondary Containment	NO CORRECTIVE ACTION						
TALOFOFO SUBSTATION	Secondary Containment	Water inside containment	Drain water and secure drain valve				ASAP	June 2020
TENJO SUBSTATION	Facility Area	NO CORRECTIVE ACTION						
YIGO SUBSTATION	Secondary Containment	Water accumulation	Drain water & use rainwater accumulation form before draining. Monitor rainwater due to inclement weather					August 2020

Generation SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT

MONTH OF AUGUST 2020

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	Supply line 8" from the tank farm	No secondary containment	Regular monitoring is required				ASAP	September 2019
	Cylinder and Lube Oil Storage Tanks	Corroded supply pipe lines	Repair				ASAP	November 2019
	Used Oil Transfer Area	Tank covers of sludge tanks - heavily corroded	Replace sludge tank covers				ASAP	February 2020
	LS Pipe Flange and HS-LS Diesel Service Tanks Secondary Containment	Leaking pipe flange and corroded pipeline	Conduct repair and clean up				ASAP	May 2020
	Tank No. 2 By Pass Pipe on Supply Line	Heavily corroded	Replace pass pipe				ASAP	May 2020
	Tank No. 2 Over Fill Line	Corroded	Replace pipeline				ASAP	May 2020
	HS, LS Diesel Service Tank Secondary Containment	Water accumulation	Conduct cleanup				ASAP	February 2020
	Tank No. 2	Gauge not secured, brackets are detached	Conduct cleanup				ASAP	June 2020
DEDED0 CT	Tanks No. 1 & 2	Rainwater and dirt in secondary containment	Remove rainwater & use rainwater accumulation form before draining. Monitor rainwater due to inclement weather				ASAP	May 2020
	Drum Storage Area	Improper storage of used oily pads	Store pads in a covered 55 gal. drum					

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT MONTH OF AUGUST 2020								
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
MACHECHE CT	Tanks No. 130 & 140	Corroded tank shells	Chip corrosion and recoat					August 2020
	Tanks No. 130 & 140	Algae on secondary containment	Conduct cleanup					August 2020
	OWS	Oil accumulation	Monitor and dispose oil asap					August 2020
	Facility Area	Improper trash disposal of trash and used oily pads	Dispose trash in covered tras bins and used oil pads in covered drums					August 2020
YIGO CT	OWS Sec. Containment	Rainwater and sludge inside containment	Drain rainwater and remove sludge				ASAP	May 2020
	Fuel Filtration Area	Oil leak in purifier	Verify and repair source of leak, conduct cleanup				ASAP	July 2020
	Fuel lines	Corroded flanges, nuts and bolts	Repair/repaint flanges				ASAP	July 2020
	Secondary Containment	Algae and dried weeds accumulation	Conduct clean up				ASAP	August 2020
	Drum Storage Area	Corroded drums	Transfer or use oil ASAPand frequently monitor corroded drums				ASAP	August 2020
		Oil is leaking from drum	Conduct clean up. Replace drum or use oil ASAP				ASAP	August 2020
MANENGGON DIESEL	Storage Tanks	No identification and label to indicate volume, capacity, etc.	Label and identify tanks	Corrective action completed		August 2020	ASAP	May 2020
TALOFOFO DIESEL		NO CORRECTIVE ACTION						

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT

MONTH OF AUGUST 2020

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
TENJO DIESEL		NO CORRECTIVE ACTION						
PITI #7 POWER PLANT	Main Fuel Tank	No integrity testing	Integrity testing is required				ASAP	January 2018
	Old Piti Power Plant Area	Improper storage of drums and wood pallets	Move or dispose drums and wood pallets				ASAP	February 2020
	Perimeter Fence	Improper storage of drums and diesel engine oil buckets near the gate that leads to Piti #8 & 9	Move drums and buckets to proper storage area				ASAP	July 2020

GPA Work Session - September 17, 2020 - DIVISION REPORTS

ENGINEERING WORK ORDERS

Engineering Work Order Summary -July 2020	
Work Orders Received from CSR	285
Work Orders Processed & Released to T&D	106
Work Orders Processed & Released to CSR	75
Work Orders Cancelled	100
Work Orders Pending Survey	31
Total Pending WO at Engineering	474

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	48	Lada Estates, 450 kVA, Phase I, II and III are 100% Completed - 308 units energized. Phase IV currently in Construction phase, 80% completed.
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.
6/1/2017	New Underground Line (P-047)	466064	Tumon	1,500	1	New Underground line 99% completed, Riser terminated. Mandrelling completed on completed sections. T&D started pulling wire and installing splices in August 2019. Pending final outage at SV1A and SV1B.
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.
12/13/18	Simpson, Henry M	466907, 8, 466658	Santa Rita			New Subdivision. Design completed. Released to T&D.
10/10/18	Don Sadwahn	465341	Harmon	2,000	1	New Industrial Subdivision, Inspection of civil work only, Proposed 12 Pad Mounted Xfmrs 97% Completed.
11/19/18	TNN Guam Primary Meter	466064	Tumon	1,500	1	Permanent primary meter for Tsubaki Hotel and Nikko Hotel (1500 + 3000kVA Nikko), 100% Completed and released to T&D. Full Occupancy signed.
05/14/19	Joyrich Group LLC	Multiple	Tamuning	150	17	New 17 Unit Apartments, 10% completed, 150 kVA.
10/01/19	Don Don Donkey "Don Quijote" Shopping Center	Pending Application	Tamuning	2,000	1	New Shopping Center at the intersection of Route 1 and 10A. Permitting phase.
12/01/19	Gateway Networks Connections LLC	475842	Piti	2,000	1	New Landing station, 100% completed and released to T&D, 2000 kVA, clearance issues resolved.
12/01/19	Pacific Unlimited Inc. (Cold Storage)	471784	Tiyan	2,000	1	New Cold Storage, 50% Completed, Temp Power installed, 2000kVA.
12/01/19	Ironwood Villa Del Mar Phase II	Multiple Applications	Toto	440	88	New 88 Unit Apartment complex, 40% Completed, multiple xfmrs.
02/25/20	The Church of Jesus Christ LDS	474921	Yigo	750	1	New Church across Yigo Substation, 45% completed, 750 kVA.
03/11/20	Citi Development & Construction	478020-23, 25, 27-30	Tamuning	60	10	New 10 Unit Town Homes, 10% completed, 100 kVA.
07/07/20	Guam Waterworks Authority New Northern Wastewater Plant	479663	Dededo	3000	1	New Northern Wastewater Plant, 10% completed, 3000kVA.
08/04/20	Guam Waterworks Authority Southern Link Pump Station Upgrade	Pending Application	Dededo		1	Southern Link Pump Station Upgrades, 10 % completed, pending work clearance application.
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		1	Pending Net Metering Customers as of June 30, 2020.
Total				18,800	185	

NET METERING

July 2020

	<u>Quantity</u>	<u>Connected kVA</u>
Completed	2,110	24,261
Pending	1	7
Grand Total	2,111	24,269

Rate Class and Technology			
Technology	Schedule	Customer Count	Total kW
Solar Energy	R - Residential	1,985	18,835.62
	J - Gen Service Dmd	49	2,829.13
	K - Small Gov Dmd	9	317.80
	L - Large Government	2	122.80
	P - Large Power	7	640.70
	G - Gen Serv Non-Dmd	49	1,432.96
	S - Sm Gov Non-Dmd	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		2,110	24,261.41

Projection Date Ending 12/31/2020				
Customer Rate Class	Sum of Size (kW)	*Annual Projected kWh Generated	Non-Fuel Yield \$/kWh	Estimated Annual Revenue Loss
R	18,839.22	30,844,758	0.087492	\$ 2,698,670.44
J	2,829.13	4,666,005	0.125682	\$ 586,432.96
K	317.80	518,889	0.133883	\$ 69,470.44
L	122.80	203,743	0.129809	\$ 26,447.73
P	640.70	1,056,495	0.109950	\$ 116,161.70
G	1,432.96	2,355,179	0.145397	\$ 342,436.05
S	78.80	125,245	0.147902	\$ 18,524.03
Grand Total	24,261.41	39,770,315		\$ 3,858,143.36

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

Estimated Annual Revenue Loss		
Year	Estimated kWh	*Total Estimated Cost
2019	36,806,287	\$ 3,546,649.04
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

July 2020

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	300.29	36	7.1%	10.8%
	P-088	746.60	79	12.4%	19.6%
	P-089	627.97	77	14.0%	33.8%
	P-111	190.00	3	3.5%	6.2%
	P-203	564.09	43	7.5%	21.4%
	P-204	150.38	17	3.2%	6.6%
	P-205	44.00	5	0.9%	1.6%
	P-210	640.44	60	12.5%	17.0%
	P-212	1,086.12	105	26.3%	68.0%
	P-213	322.13	13	12.3%	16.5%
	P-220	187.22	21	30.7%	96.5%
	P-221	605.98	62	13.8%	27.4%
	P-223	563.15	61	23.7%	33.8%
	P-240	58.55	2	0.9%	7.9%
	P-245	259.60	7	5.2%	11.1%
	P-250	1,409.05	129	21.7%	38.1%
	P-251	160.50	8	6.5%	10.0%
	P-253	611.03	61	13.6%	21.5%
	P-262	1,176.14	118	30.9%	74.1%
	P-270	490.47	42	9.6%	19.4%
	P-271	323.37	18	5.5%	11.7%
	P-272	280.91	20	11.0%	24.9%
	P-280	371.54	30	20.7%	38.4%
	P-281	204.90	5	7.3%	20.4%
	P-282	31.75	4	0.8%	2.6%
	P-283	666.95	59	18.4%	31.6%
	P-294	1,328.62	125	30.7%	60.8%
	P-301	233.76	24	16.5%	29.4%
	P-311	1,120.59	65	28.1%	48.1%
	P-322	2,108.43	118	27.8%	55.2%
	P-323	316.52	21	6.7%	20.8%
	P-330	708.31	88	13.0%	26.2%
	P-331	827.91	91	13.1%	21.2%
	P-332	728.64	76	12.9%	18.9%
	P-340	560.12	50	30.9%	68.0%
	P-087	1,512.52	151	38.5%	60.3%
	P-252	599.13	32	14.2%	29.0%
	P-321	389.86	36	7.0%	7.8%
	P-260	99.76	10	14.5%	49.9%
	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	509.36	54	18.4%	31.6%
	P-201	115.86	10	3.3%	5.8%
	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		24,261.41	2,110		
pending	Pending	7.31	1	0.0%	0.0%
pending Total		7.31	1	0.0%	0.0%
Grand Total		24,268.72	2,111		
Feeders highlighted in yellow indicates renewable energy capacity has exceeded 25% minimum daytime load.					
Feeders highlighted in red indicates renewable energy capacity has reached 75% of minimum daytime load.					

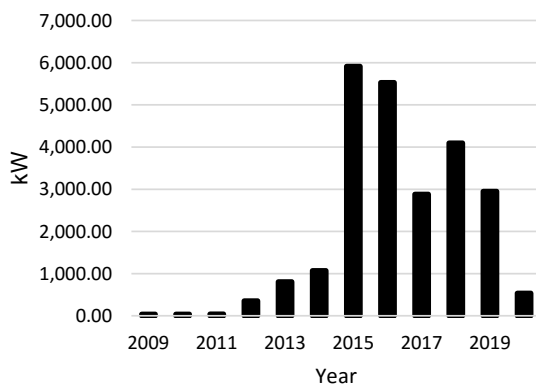
NET METERING

July 2020

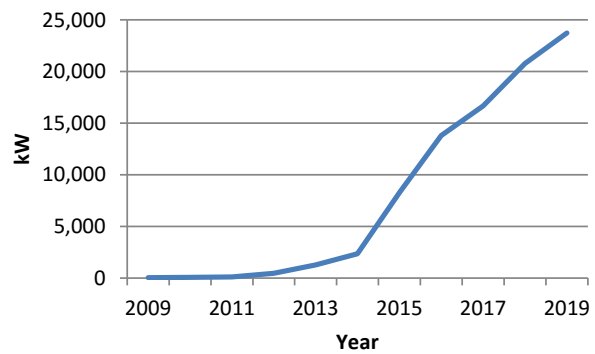
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	41.61	120.27
2012	354.61	474.88
2013	808.15	1,283.03
2014	1,072.04	2,355.07
2015	5,915.06	8,270.13
2016	5,527.93	13,798.05
2017	2,880.40	16,678.45
2018	4,095.63	20,774.08
2019	2,949.09	23,723.17
2020	538.24	24,261.41
Grand Total	24,261.41	

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	562	764
2016	530	1,294
2017	297	1,591
2018	291	1,882
2019	186	2,068
2020	42	2,110
Grand Total	2,110	

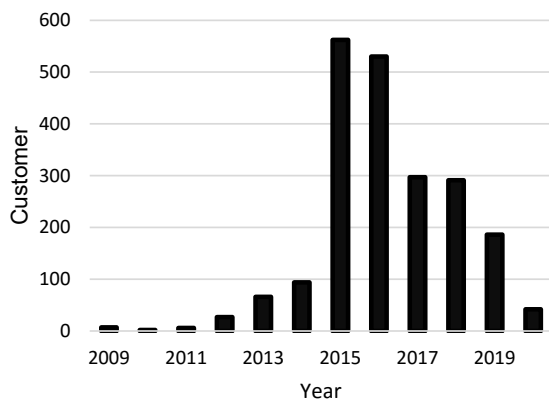
Yearly Installed kW



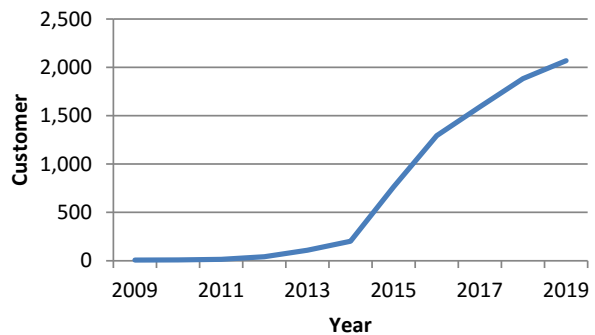
Cumulative Installed kW



Yearly Connected Customer Count



Cumulative Connected Customer Count



PLANNING & REGULATORY DIVISION REPORT

The following summarizes P&R's activities for the month of August 2020

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, Talofoto, 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. Coordinates Operations and Maintenance with TRC.
- 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
- Inspected FBI building pad mount transformer for PCB confirmation.
- Catalyst elements removal and installation coordination with Generation

DIESEL RICE MACT

- Coordination with TRC on the purchase of new catalyst for Tenjo, MDI and Talofoto

ENVIRONMENTAL DISPOSAL

- PCB contaminated transformer oil disposal from the T & D warehouse

ENVIRONMENTAL RESPONSE

- Responded to oil leak in Piti IPE old pipeline
- Responded to oil Spill in Blas St., Mongmong-Toto

NEW UKKUDU POWER PLANT

- Weekly update conference calls:
 - Air Permitting with contractors
 - All other Permitting with contractors
 - GPA Internal discussions with Stanley
- Others:
 - Review GPA Risk Matrix
 - Provide emission calculations for Ukudu site during boiler maintenance periods

PROCUREMENT

Coordination with procurement on the following bids:

- OR#33750 – Environmental Emergency Response Contractor- Procurement review
- OR#33816 – Transfer of Used Oil from Piti Power Plant- Bid under protest
- Bid Opening - GPA-055-20 for Contractual Services for the Clean-Up of Chemical Spill Located Inside Chemical Storage at the Cabras Power Plant- Awaiting for PO

- BID GPA-061-20 PMC for Yigo Dsl – provided info to SPORD to answer questions from bidders

REPORTING

- Monthly NSPS reporting for Cabras, CT's and Diesel plants submitted to GEPA

TRAINING

- Attended Oracle JDE Training
- Attended Hazwoper training

OTHERS

- Marianas Islands Area Contingency Plan (MIACP) Committee Mtg.
- Coordination meeting for Out of service inspection and refurbishment of GPA Bulk Storage Tanks
- Conference call for New ULSD Pipeline System 60% design submittal
- For the GM
 - Working with TRC to provide modeling data for the Cabras-Piti Area that shows compliance with the SO2 NAAQS.
- Administrative Permit Change for Aggreko – submitted letter to Guam EPA to request for change ownership from Aggreko to GPA
- NPDES (NetDMR) – finalized templates to be used in monthly reports and sent to contractor



Production Data

31-Jul-20

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)						
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
	Sept	30	139,744,390	9,678,417	230,438	14.44	\$ 0.1259	10,019.86	11,676.24	194	243
	Oct	31	147,131,892	9,789,114	233,074	15.03	\$ 0.1294	9,742.17	12,670.15	198	247
	Nov	30	144,772,854	10,312,356	245,532	14.04	\$ 0.1437	9,631.16	12,353.82	201	245
	Dec	31	143,448,641	9,483,024	225,786	15.13	\$ 0.0993	9,649.19	11,794.69	193	236
2020	Jan	31	138,041,863	9,188,575	218,776	15.02	\$ 0.1286	9,706.87	11,592.61	186	227
	Feb	29	128,740,982	8,519,225	202,839	15.11	\$ 0.1226	9,833.72	11,408.84	192	230
	Mar	31	137,889,276	9,112,959	216,975	15.13	\$ 0.1034	9,421.93	11,671.89	185	233
	Apr	30	133,331,694	8,843,365	210,556	15.08	\$ 0.0847	9,991.96	11,780.63	185	228
	May	31	143,999,526	9,958,957	237,118	14.46	\$ 0.0623	10,067.47	12,493.35	194	241
	June	30	145,724,133	9,712,001	231,238	15.00	\$ 0.0566	9,939.81	11,940.43	202	244
	July	31	146,742,897	10,126,538	241,108	14.49	\$ 0.0628	9,981.69	12,019.94	197	240

GPA Work Session - September 17, 2020 - DIVISION REPORTS

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
Billing up to August 31, 2020 and payments as of 09/15/2020

Current (08/31/20 Billing due 09/30/20)
30 days Arrears (07/31/20 due 08/31/20)
60 days and over Arrears (06/30/20 billing due 07/31/20)

CCAB New Acct Number	DEPARTMENT Line Agencies	CCAB BALANCE 07/31/2020	CANCEL/REBILL/ SPEC CHARGE 09/15/2020	BILLING 08/15/2020	PAYMENT UP TO 09/15/2020	CCAB BALANCE 09/15/2020
1073430238	Dept. of Corrections	136,948.91		67,052.21	(136,948.91)	67,052.21
0040515913	Dept. of Parks & Rec.	12,356.79		10,796.37	(12,356.79)	10,796.37
0453710939	Guam Fire Department	14,801.57		14,409.54		29,211.11
856461941	DCA Supply Mgmt (NET METERED)	2,070.21		1,968.50		2,068.90
4211873236	Dept. of Administration	5,835.46		2,770.91		8,606.37
4554808900	Newsweek Press Library	10,368.11		9,571.32	(10,368.11)	9,571.32
9541109130	General Services Agency	478.36		237.46		478.36
1621790133	DCA Data Processing	7,992.29		7,860.02		7,860.02
1886187753	Dept. of PH&SS	36,589.10		29,435.11	(32,861.14)	33,163.07
7252621074	Dept. of Education	2,959,291.02		235,368.93	(2,344,077.97)	1,347,601.34
0266060082	Guam Police Department	81,227.13		39,243.08	(40,815.83)	79,654.38
6089461950	Dept. of Youth Affairs (Federal)	438.61		258.16	(438.61)	258.16
2913461537	Dept. of Youth Affairs (Local)	11,252.63		10,282.34	(11,252.63)	10,282.34
3404311949	Guam Environmental Protect	6,019.28		5,560.53	(6,019.28)	5,560.53
3227759982	Mental Health/Subst.	35,113.99	1,755.85	36,544.53	(35,113.99)	38,300.38
6841080463	Guam Behavioral Health & Wellness	3,588.63	(1,755.85)	1,754.40	(1,832.78)	1,754.40
0070861777	Veterans Affairs	3,524.01		1,709.50	(1,770.47)	3,463.04
6243861917	Guam Veterans Affairs Office	0.00		0.00		0.00
8303035373	Civil Defense (Military Affairs)	19,594.88		9,990.29		29,685.17
7813165805	Pacific Energy Resource Center	1,039.19		384.73	(1,039.19)	384.73
1595188609	Dept. of Agriculture	16,541.54		8,645.33		25,186.87
2535590089	DPW-FAC Adm Account	53,888.70		24,291.27	(50,970.33)	27,209.64
728924534	Guam Visitors Bureau	3,644.52		3,469.44		3,469.44
7663706771	Yona Senior Citizen Center	1,338.47		598.97	(616.05)	1,321.39
412948181	Dept. of Chamorro Affairs-Chamorro Village	5,362.29		2,402.42	(2,566.33)	5,368.38
3568733700	Dept. of Chamorro Affairs-Chamorro Village (NET METER)	251.68		110.83	(140.85)	221.66
5247210000	Mayor's Council	10,495.84		4,134.17		14,630.01
623410000	Office of the Governor	18,755.71		16,755.71	(19,813.25)	16,755.71
8555856309	Dept. of Chamorro Affairs (Guam Museum)	32,029.77		16,128.90		48,158.67
1099514147	Dept. of Chamorro Affairs/Repository	988.89		293.15		1,282.04
	Sub Total	3,489,725.12	-	1,951,216.19	(2,720,676.78)	1,830,256.33
MAYORS						
3823207736	Santa Rita Mayor	2,136.65		2,165.05		4,303.70
9381070242	Ordick/Chan Pago Mayor	832.90		856.49		1,689.39
6383530237	Hagana Mayor	730.24		616.92		1,347.16
3253809884	Pali Mayor	926.20		947.36		1,673.56
8715052835	Monomong/Toto/Mate Mayor	1,431.36		1,334.91		2,766.27
0492244686	Asan/Maina/Adelp Mayor	1,257.68		1,016.82		2,274.50
8433956204	Singana Mayor	2,688.26		3,024.31		5,712.57
8047115847	Deledo Mayor	5,074.97		4,546.69		9,621.66
7037924246	Yigo Mayor	2,657.07		2,556.26		5,213.33
720225287	Unatac Mayor	1,010.99		1,010.99		2,092.74
8472209165	Agaña Ins. Mayor	2,971.80		2,963.13		5,934.93
448979958	Merizo Mayor	661.23		915.05		1,576.28
5763167341	Barrigada Mayors Office	2,046.70	(14.16)	1,641.81		3,674.35
7247781882	Agua Mayor	2,280.82		2,360.87		4,641.69
6078244037	Ivanigan Mayor	2,193.26	525.90	2,192.45		4,911.61
6981205325	Tamuning Mayor	4,455.79		4,171.94		8,627.73
1880297633	Tafelito Mayor	1,730.68		1,343.60		3,074.28
3631627996	Mangilao Mayor	3,579.25		3,403.07		6,982.32
1831525585	Tona Mayor	961.84		896.85		1,848.79
	Sub Total	38,525.79	\$ 511.74	37,936.94	-	77,978.47
DPW ACCOUNTS						
3045438000	DPW-Village St. Lights	988,187.45		301,651.36	(606,793.69)	663,055.12
0305058866	DPW-Primary St. Lights	312,989.27		66,207.79	(137,004.78)	242,182.30
3088040552	DPW-Sec/Col St. Lights	63,240.62		18,390.70	(37,024.86)	44,606.46
0832698062	DPW-Signal Lights	17,015.77		8,402.84	(17,015.77)	8,402.84
	Sub Total	1,361,443.11	-	394,652.68	(797,839.08)	956,256.72
(B) AUTONOMOUS/PUBLIC CORP						
1540692986	Retirement Fund	5,274.75		5,153.82		5,153.82
0563872892	Guam Housing Corp. Rental Division	818.60		654.27		654.27
5434075703	University of Guam	137,791.34	328.46	131,508.13	(137,791.34)	131,836.59
7736362694	Guam Airport Authority	324,493.49		327,758.56		327,758.56
5357510000	University of Guam (NET METERED)	55,969.92		45,321.65	(55,969.93)	45,321.64
1689407298	G T U R A	19,704.53		21,286.42	(31,489.11)	9,341.84
6518200319	Guam Community College	37,330.91		35,962.53		35,962.53
8302337726	Guam Memorial Hospital	53,971.59		30,295.88	(53,971.59)	30,295.88
8426836906	Guam Memorial Hospital (NET METERED)	227,286.18		115,725.64	(227,286.18)	115,725.64
4474388144	Port Authority of Guam	63,572.50		64,804.64		64,804.64
9157510000	Guam Community College (NET METERED)	22,594.01		22,817.41	(22,594.01)	22,817.41
9173210000	Guam Solid Waste Authority	10,491.11		5,270.81		15,761.92
0838469949	Guam Waterworks Authority	1,002,658.24		1,006,377.01	(1,002,858.28)	1,006,377.01
	Sub Total	1,961,957.17	(74,675.59)	1,887,780.82	(1,963,250.05)	1,811,811.75
(C) OTHERS						
7541928173	Guam Legislature	153.63		271.66	(153.63)	271.66
9503154359	Guam Legislature (NET METERED)	6,089.31		6,110.15		6,110.15
8353274854	Superior Court of Guam	47,583.48		41,922.83		41,922.83
8108458168	Guam Post Office (Agana)	5,134.62		4,979.50		4,979.50
8922670065	Customs & Quarantine Agency	1,414.86		698.92		1,422.27
4530757043	U.S. Post Office	30,520.36		30,367.06		30,367.06
8607446612	Dept. of Military Affairs	131,058.82		62,976.56		62,976.56
3204633043	Dept. of Military Affairs (NET METERED)	28,023.18		14,712.30		14,712.30
8000770666	KGIT	17,027.33		5,678.45		22,725.78
6602566745	Tamuning Post Office	4,734.74		4,670.79		4,670.79
	Sub Total	272,410.43	-	172,388.22	(254,629.75)	190,168.90
GRAND TOTAL		\$ 7,125,065.62	(74,163.85)	\$ 3,553,968.86	(5,736,396.26)	\$ 4,868,474.37

AGING

0-30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Total
\$ 67,052.21	\$ -	\$ -	\$ -	\$ -	\$ 67,052.21
\$ 10,698.58	\$ 99.79	\$ -	\$ -	\$ -	\$ 10,798.37
\$ 14,409.54	\$ 14,801.57	\$ -	\$ -	\$ -	\$ 29,211.11
\$ 948.59	\$ 943.23	\$ 1,066.98	\$ -	\$ -	\$ 2,958.80
\$ 2,770.91	\$ 2,827.23	\$ 3,008.23	\$ -	\$ -	\$ 8,606.37
\$ 9,450.76	\$ 120.56	\$ -	\$ -	\$ -	\$ 9,571.32
\$ 237.46	\$ 240.90	\$ -	\$ -	\$ -	\$ 478.36
\$ 7,860.02	\$ -	\$ -	\$ -	\$ -	\$ 7,860.02
\$ 29,435.11	\$ 3,727.96	\$ -	\$ -	\$ -	\$ 33,163.07
\$ 735,388.89	\$ 612,213.05	\$ -	\$ -	\$ -	\$ 1,347,601.94
\$ 39,243.08	\$ 40,411.30	\$ -	\$ -	\$ -	\$ 79,654.38
\$ 258.16	\$ -	\$ -	\$ -	\$ -	\$ 258.16
\$ 10,282.34	\$ -	\$ -	\$ -	\$ -	\$ 10,282.34
\$ 5,560.53	\$ -	\$ -	\$ -	\$ -	\$ 5,560.53
\$ 34,788.68	\$ 3,511.70	\$ -	\$ -	\$ -	\$ 38,300.38
\$ 1,754.40	\$ -	\$ -	\$ -	\$ -	\$ 1,754.40
\$ 1,709.50	\$ 1,753.54	\$ -	\$ -	\$ -	\$ 3,463.04
\$ 9,990.29	\$ 9,863.08	\$ 9,831.80	\$ -	\$ -	\$ 29,685.17
\$ 384.73	\$ -	\$ -	\$ -	\$ -	\$ 384.73
\$ 8,645.33	\$ 8,396.60	\$ 8,144.94	\$ -	\$ -	\$ 25,186.87
\$ 24,291.27	\$ 2,918.37	\$ -	\$ -	\$ -	\$ 27,209.64
\$ 3,469.44	\$ -	\$ -	\$ -	\$ -	\$ 3,469.44
\$ 598.97	\$ 722.42	\$ -	\$ -	\$ -	\$ 1,321.39
\$ 2,602.42	\$ 2,795.96	\$ -	\$ -	\$ -	\$ 5,368.38
\$ 110.83	\$ 110.83	\$ -	\$ -	\$ -	\$ 221.66
\$ 4,134.17	\$ 4,359.20	\$ 6,136.64	\$ -	\$ -	\$ 14,630.01
\$ 16,567.10	\$ 168.61	\$ -	\$ -	\$ -	\$ 16,735.71
\$ 16,128.90	\$ 15,771.36	\$ 16,258.41	\$ -	\$ -	\$ 48,158.67
\$ 293.15	\$ 338.47	\$ 327.64	\$ 322.78	\$ -	\$ 1,282.04
\$ 1,059,065.38	\$ 726,095.73	\$ 44,774.64	\$ 322.78	\$ -	\$ 1,830,256.33
\$ 2,165.05	\$ 2,136.65	\$ -	\$ -	\$ -	\$ 4,303.70
\$ 856.49	\$ 832.90	\$ -	\$ -	\$ -	\$ 1,689.39
\$ 734.92	\$ 729.73	\$ -	\$ -	\$ -	\$ 1,464.65
\$ 847.98	\$ 776.20	\$ 50.00	\$ -	\$ -	\$ 1,674.18
\$ 1,334.91	\$ 1,431.36	\$ -	\$ -	\$ -	\$ 2,766.27
\$ 1,016.82	\$ 1,257.68	\$ -	\$ -	\$ -	\$ 2,274.50
\$ 3,024.31	\$ 2,688.26	\$ -	\$ -	\$ -	\$ 5,712.57
\$ 4,546.69	\$ 5,074.97	\$ -	\$ -	\$ -	\$ 9,621.66
\$ 2,688.51	\$ 2,624.82	\$ -	\$ -	\$ -	\$ 5,213.33
\$ 992.74	\$ 1,010.93	\$ 0.06	\$ -	\$ -	\$ 2,003.73
\$ 2,852.27	\$ 2,982.66	\$ -	\$ -	\$ -	\$ 5,834.93
\$ 915.05	\$ 661.23	\$ -	\$ -	\$ -	\$ 1,576.28
\$ 1,827.65	\$ 2,046.70	\$ -	\$ -	\$ -	\$ 3,874.35
\$ 2,179.18	\$ 2,280.82	\$ 181.69	\$ -	\$ -	\$ 4,641.69
\$ 2,192.45	\$ 2,179.16	\$ -	\$ -	\$ -	\$ 4,911.61
\$ 4,171.94	\$ 4,455.79	\$ -	\$ -	\$ -	\$ 8,627.73
\$ 1,343.60	\$ 1,730.68	\$ -	\$ -	\$ -	\$ 3,074.28
\$ 3,403.07	\$ 3,579.25	\$ -	\$ -	\$ -	\$ 6,982.32
\$ 296.85	\$ 961.84	\$ -	\$ -	\$ -	\$ 1,248.79
\$ 37,762.48	\$ 39,984.24	\$ 231.75	\$ -	\$ -	\$ 77,978.47
\$ 301,651.36	\$ 305,871.95	\$ 55,531.81	\$ -	\$ -	\$ 663,055.12
\$ 66,207.79	\$ 68,076.94	\$ 68,027.82	\$ 37,894.57	\$ 1,085.18	\$ 242,192.30
\$ 18,390.70	\$ 18,628.84	\$ 7,586.92	\$ -	\$ -	\$ 44,606.46
\$ 8,402.84	\$ 8,402.84	\$ -	\$ -	\$ -	\$ 8,402.84
\$ 394,652.68	\$ 393,477.73	\$ 131,146.55	\$ 37,894.57	\$ 1,085.18	\$ 956,256.72
\$ 5,153.82	\$ -	\$ -	\$ -	\$ -	\$ 5,153.82
\$ 435.04	\$ 219.23	\$ -	\$ -	\$ -	\$ 654.27
\$ 131,836.59	\$ -	\$ -	\$ -	\$ -	\$ 131,836.59
\$ 327,758.56	\$ -	\$ -	\$ -	\$ -	\$ 327,758.56
\$ 45,321.64	\$ -	\$ -	\$ -	\$ -	\$ 45,321.64
\$ 9,341.84	\$ -	\$ -	\$ -	\$ -	\$ 9,341.84
\$ 35,962.53	\$ -	\$ -	\$ -	\$ -	\$ 35,962.53
\$ 30,295.88	\$ -	\$ -	\$ -	\$ -	\$ 30,295.88
\$ 115,725.64	\$ -	\$ -	\$ -	\$ -	\$ 115,725.64
\$ 64,804.64	\$ -	\$ -	\$ -	\$ -	\$ 64,804.64
\$ 22,817.41	\$ 50.00	\$ -	\$ -	\$ -	\$ 22,817.41
\$ 5,270.81	\$ 5,240.58	\$ 5,250.53	\$ -	\$ -	\$ 15,761.92
\$ 993,063.34	\$ 13,313.67	\$ -	\$ -	\$ -	\$ 1,006,377.01
\$ 1,787,737.74	\$ 18,821.46	\$ 5,250.53	\$ -	\$ -	\$ 1,811,811.75
\$ 271.66	\$ -	\$ -	\$ -	\$ -	\$ 271.66
\$ 6,110.15	\$ -	\$ -	\$ -	\$ -	\$ 6,110.15
\$ 41,922.83	\$ -	\$ -	\$ -	\$ -	\$ 41,922.83
\$ 4,979.50	\$ -	\$ -	\$ -	\$ -	\$ 4,979.50
\$ 698.92	\$ 723.35	\$ -	\$ -	\$ -	\$ 1,422.27
\$ 30,367.06	\$ -	\$ -	\$ -	\$ -	\$ 30,367.06
\$ 62,976.56	\$ -	\$ -	\$ -	\$ -	\$ 62,976.56
\$ 14,712.30	\$ -	\$ -	\$ -	\$ -	\$ 14,712.30
\$ 5,670.40	\$ 5,721.50	\$ 5,469.81	\$ 5,832.73	\$ 33.29	\$ 22,755.78
\$ 4,670.79	\$ -	\$ -	\$ -	\$ -	\$ 4,670.79
\$ 172,388.22	\$ 6,444.85	\$ 5,469.81	\$ 5,832.73	\$ 33.29	\$ 190,168.90
\$ 3,451,606.51	\$ 1,844,826.03	\$ 186,873.28	\$ 44,050.08	\$ 1,118.47	\$ 4,868,474.37