



**CONSOLIDATED COMMISSION ON UTILITIES**

Guam Power Authority | Guam Waterworks Authority

P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | [guamccu.org](http://guamccu.org)

**GUAM POWER AUTHORITY WORK SESSION**

*CCU Conference Room  
4:30 p.m., Tuesday, March 21, 2019*

**AGENDA**

1. **ISSUES FOR DECISION**
  - 1.1 [Demand Side Mgmt. \(DSM\) Funding / Resolution 2019-03](#)
  - 1.2 [Expenditure for Construction of the Kaiser Hybrid Conversion Phase I / Resolution 2019-05](#)
2. **GM REPORT**
  - 2.1 [GM Summary](#)
3. **ISSUES FOR DISCUSSION**
  - 3.1 [GPA's Renewable Energy Future](#)
4. **DIVISION REPORTS**
  - 4.1 [Administration: Customer Service, HR, Procurement, Safety](#)
  - 4.2 [Engineering & Technical: Engineering, IT, Planning & Regulatory, SPORD](#)
  - 4.3 [Finance Reports](#)
  - 4.4 [Operations: Facilities, Generation, PSCC, T&D, Transportation](#)
  - 4.5 [Public Information Office](#)
5. **ANNOUNCEMENTS**
  - 5.1 [Next Meeting: CCU Meeting – March 26, 2019](#)
6. **ADJOURNMENT**



**GUAM POWER AUTHORITY**  
ATURIDÂT ILEKTRESEDÂT GUAHAN  
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

## **Issues for Decision**

**Resolution No. 2019-03:**

### **Relative to Approving GPA's Recommendation for DSM Program funding under LEAC Recommendation**

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

**This resolution seeks approval to fund the DSM Program under LEAC for the following reasons:**

- The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.
- DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.
- Like renewable energy, a major rationale behind DSM is predicated on the avoidance of fuel costs and the need for capacity additions. Furthermore, unlike renewable energy without energy storage, DSM provides reductions to future power system capacity expansion costs.
- The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs under the LEAC; and therefore may use this precedent to treat DSM Program Expenses in a similar fashion.
- Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.

**Where is the location?**

**Territory of Guam**

**How much will it cost?**

**PUC approval of GPA's recommendation results in DSM expenses being revenue neutral.**

**When will it be completed?**

**Upon approval of the Guam Public Utilities Commission**

**What is its funding source?**

**Base Rate Revenues**



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**RESOLUTION NO. 2019-03**

**AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE  
RECOMMENDATIONS FOR PLACING THE DEMAND-SIDE MANAGEMENT (DSM) PROGRAM  
EXPENSES UNDER LEAC**

**WHEREAS**, the Guam Public Utilities Commission (PUC) established GPA Docket 13-14 in August 2013 to develop the GPA Demand-Side Management (DSM) program; and,

**WHEREAS**, on February 26, 2015, the PUC approved GPA's plan to implement certain DSM programs, including Central AC, Ductless AC, Washer, and Dryer; and,

**WHEREAS**, in its Order dated October 27, 2015, the PUC authorized GPA to utilize the sum of \$1,806,014 from the Working Capital Fund (WCF) to pay for GPA's Demand Side Management (DSM) Program rebates and other related expenses; and,

**WHEREAS**, furthermore the Guam Public Utilities Commission (PUC) ordered (May 25, 2017): "GPA and the ALJ are instructed to continue to discuss proposals for the long-term funding of DSM Programs and to develop a plan for such funding."; and,

**WHEREAS**, in June of 2015, GPA's consultant, Leidos, submitted GPA's Energy Sense Program Plan proposing an additional 18 programs that GPA could consider as DSM initiatives; and,

**WHEREAS**, GPA and the ALJ had determined that it was perhaps too ambitious to adopt all 18 DSM proposals at the time, particularly as a long-term funding source has not yet been identified; and,

**WHEREAS**, however, both GPA and the ALJ have agreed upon ten new DSM initiatives to be implemented; and,

**WHEREAS**, under GPA Docket 18-11, the PUC approved GPA's request balance of the Bond Refinancing Savings through 2021 to fund the GPA Demand Side Management (DSM) rebate program in the amount of \$1,139,189 (\$379,729.67 annually); and,

**WHEREAS**, Exhibit A Figures A-1 and A-2 illustrate the exponential growth year over year in the amount DSM Program rebate payments since FY 2016; and,

**WHEREAS**, DSM Program forecasted growth places pressure on GPA base rate funding and would impact GPA Debt Service Coverage requirements; and,

**WHEREAS**, GPA has budgeted \$400,000 for DSM Program related expenses for FY 2019 and for FY 2019 GPA has identified an additional \$1 million from insurance property premium savings as the additional funding sources for the DSM program; and,

**WHEREAS**, the current available funding will eventually run out and does not support the rollout of any additional programs; and,

**WHEREAS**, DSM Program exponential growth is volatile: subject or characterized by rapid change; and,

Resolution No.: 2019-03

EXHIBIT A

35           **WHEREAS**, the Levelized Energy Adjustment Clause (LEAC) is expenses like fuel that have a volatile  
36 nature from base rates; and,

37           **WHEREAS**, similar to renewable energy, a major rationale behind the DSM Program is predicated  
38 on the avoidance of fuel costs; and,

39           **WHEREAS**, unlike renewable energy without energy storage, the DSM Program provides  
40 reductions to future power system capacity expansion; and,

41           **WHEREAS**, the PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs  
42 under the LEAC; and

43           **WHEREAS**, to date, annual energy savings from the program is approximately 3,185 MWh; and,

44           **WHEREAS**, to date, demand savings from the program is approximately 0.72MW; and,

45           **WHEREAS**, an evaluation of a 5 MW reduction in demand shows and \$800 - \$1800 per day fuel  
46 savings due primarily to efficient use of units during GPA peak period; and,

47           **WHEREAS**, GPA has paid nearly \$2.4 million to its customers for over 7400 rebate applications,  
48 yielding an average customer rebate amount per application of \$320; and,

49           **WHEREAS**, in addition to initial appliance savings for the customer, customers could be saving  
50 \$250 - \$400 a year based on a 2 SEER improvement on appliance equipment for 9000 BTU and 12000 BTU  
51 sized split air conditioners as projected in Table A-2 of Exhibit A; and,

52           **WHEREAS**, the GPA system peak demand continues to climb as illustrated on Figure A-3 in Exhibit  
53 A; and,

54           **WHEREAS**, as GPA progresses on the procurement for the New Power Plant, managing consumer  
55 energy use and demand is critical through 2022 upon commissioning of the new power plant.

56           **NOW, THEREFORE, BE IT RESOLVED**, by the CONSOLIDATED COMMISSION ON UTILITIES subject  
57 to the review and approval of the Public Utilities Commission as follows:

58

- 59           1.       The General Manager is authorized to petition DSM Program Funding Recommendations  
60                   which places DSM funding under LEAC to the Guam Public Utilities Commission.  
61           2.       The General Manager is authorized to conduct an information campaign supporting these  
62                   recommendations.

63

64           **RESOLVED**, that the Chairman of the Commission certifies and the Secretary of the Commission  
65 attests the adoption of this Resolution.

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Resolution No.: 2019-03  
EXHIBIT A

69           **DULY and REGULARY ADOPTED this 26<sup>th</sup> day of March 2019.**

70

**Certified by:**

**Attested by:**

\_\_\_\_\_  
**JOSEPH T. DUENAS**  
**CHAIRMAN**

\_\_\_\_\_  
**MICHAEL T. LIMTIACO**  
**SECRETARY**

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72                                   **SECRETARY'S CERTIFICATE**

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74           **I, Michael T. Limtiaco**, Secretary for the Consolidated Commission on Utilities (CCU),  
75           as evidenced by my signature above do certify as follows: The foregoing is a full, true, and  
76           accurate copy of the resolution duly adopted at a regular meeting of the members of Guam  
77           Consolidated Commission on Utilities, duly and legally held at a place properly noticed and  
78           advertised at which meeting a quorum was present and the members who were present voted  
79           as follows:

80

81                   Ayes:           \_\_\_\_\_

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83                   Nays:           \_\_\_\_\_

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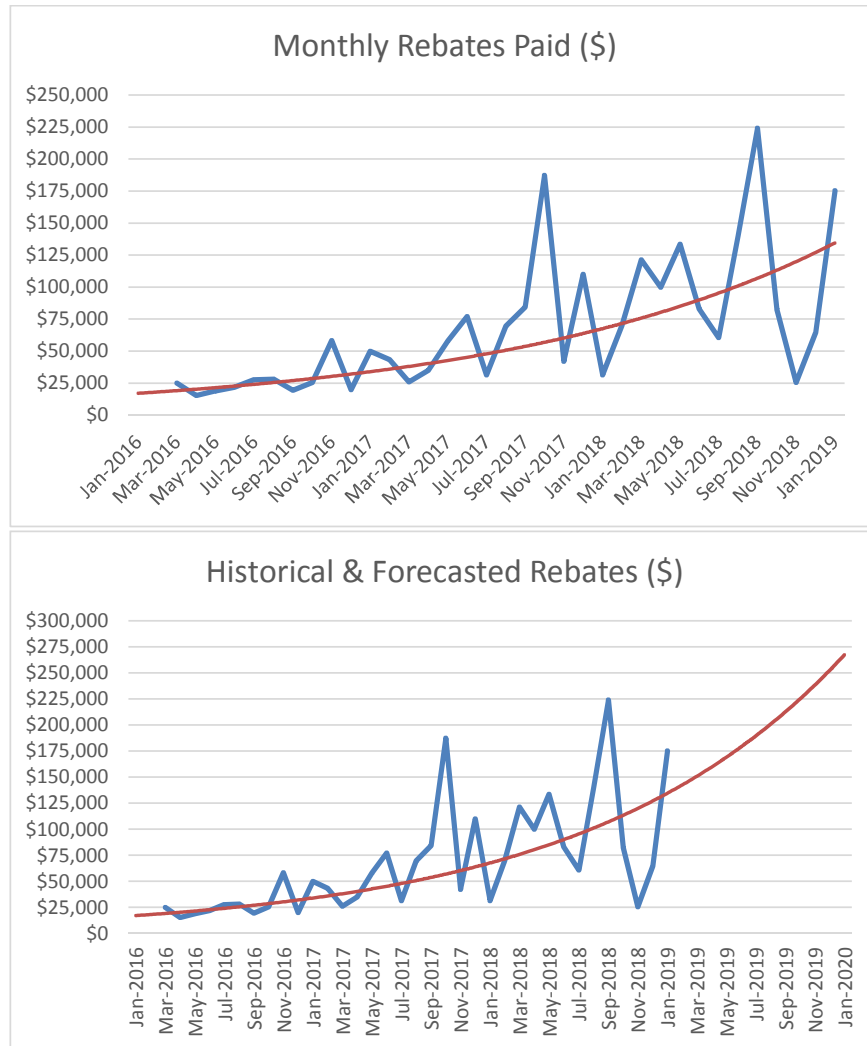
85                   Absent:           \_\_\_\_\_

86

87                   Abstain:           \_\_\_\_\_

Resolution No.: 2019-03

## EXHIBIT A



**Figure A-1. Historical and Forecast Monthly DSM Rebate Expenses**

- DSM Expenses is growing exponentially
- Growth Rate will make it very difficult to fund out of base rates
- GPA may have to cap program

Resolution No.: 2019-03

EXHIBIT A

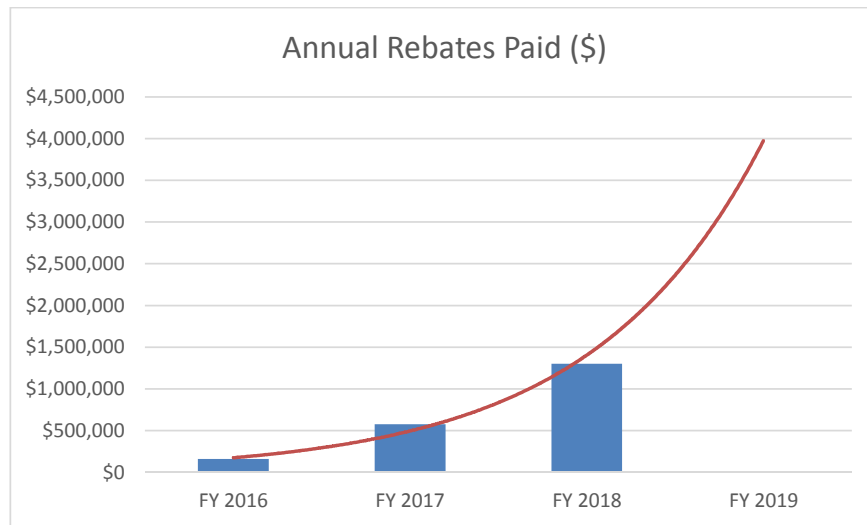


Figure A-2. Historical and Forecasted Annual DSM Rebate Expenses

Table A-1. Annual Rebate Summary

Description	Year Paid	Total Rebate Amount	Count of Applications	Avg. Rebate per Application
Rebates-Split A/Cs	2016	\$ 253,500	693	\$ 366
	2017	\$ 798,426	2519	\$ 317
	2018	\$ 1,073,575	3385	\$ 317
	2019	\$ 158,150	463	\$ 342
<b>Rebates-Split A/Cs Total</b>		<b>\$ 2,283,652</b>	<b>7060</b>	<b>\$ 323</b>
Rebates- Washer/Dryers	2016	\$ 4,700	36	\$ 131
	2017	\$ 7,325	29	\$ 253
	2018	\$ 57,400	212	\$ 271
	2019	\$ 17,000	65	\$ 262
<b>Rebates- Washer/Dryers Total</b>		<b>\$ 86,425</b>	<b>342</b>	<b>\$ 253</b>
Rebates-Central A/Cs	2016	\$ 7,200	8	\$ 900
	2017	\$ 5,800	8	\$ 725
	2018	\$ 3,600	6	\$ 600
	2019	\$ -	0	\$ -
<b>Rebates-Central A/Cs Total</b>		<b>\$ 16,600</b>	<b>22</b>	<b>\$ 755</b>
<b>Grand Total</b>		<b>\$ 2,386,677</b>	<b>7424</b>	<b>\$ 321</b>

Resolution No.: 2019-03

EXHIBIT A

**Table A-2. Customer Savings Projections for 2 SEER Improvement**

AC Size	New SEER	Annual KWH Savings	Annual Cost Savings			Reduction in Demand (KW)	Reduction in Demand x 1000 (MW)	Reduction in Demand x 2000 (MW)
			2017	2018	2019			
9000	22	1579	\$ 175.83	\$ 237.98	\$ 243.49	0.36	0.36	0.72
12000	18	2486	\$ 276.87	\$ 374.72	\$ 383.39	0.57	0.57	1.14
18000	22	3157	\$ 351.66	\$ 475.96	\$ 486.97	0.72	0.72	1.44
24000	20	4561	\$ 508.03	\$ 687.60	\$ 703.50	1.04	1.04	2.08
36000	20	6842	\$ 762.05	\$ 1,031.40	\$ 1,055.26	1.56	1.56	3.12

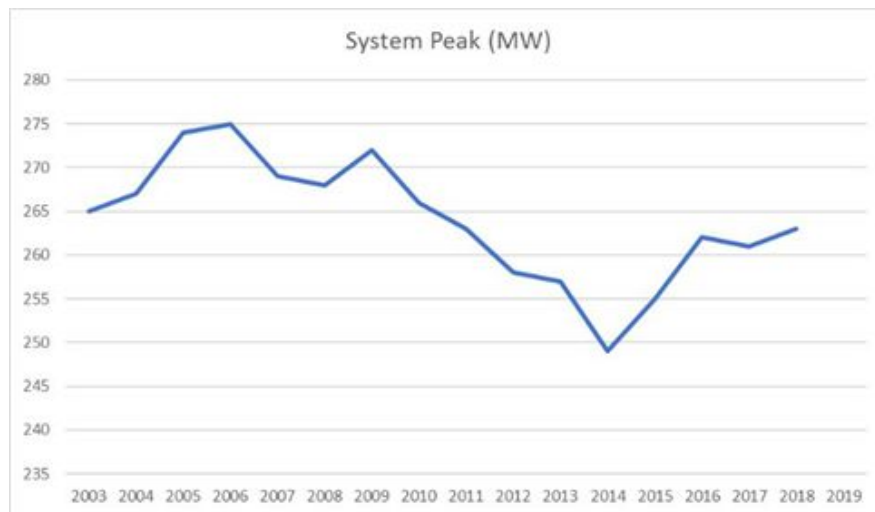
1. Assumes 12 hours cooling period per day.

2. Annual Average LEAC charges (\$/KWH):

FY 2017	\$ 0.11139
FY 2018	\$ 0.15076
FY 2019	\$ 0.15424

**Table A-3. Fuel Savings Projections for 5 MW Demand Reduction**

Scenario	Reference Date	Peak	Fuel Costs Savings for 5 MW Demand Reduction	
			Daily	Annual
No Baseload Outages, High Peak	8/1/2017	261	\$ 800	\$ 292,000
1 Baseload Unit offline, Avg. Peak	10/15/2018	234	\$ 1,800	\$ 657,000

**Figure A-3. System Peak (MW)**



# **GPA RESOLUTION NO. 2019-03**

## **DEMAND SIDE MANAGEMENT FUNDING**

### **MARCH 21, 2019**



# GPA Resolution No. 2019-03

2

## Relative to DSM Funding

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

This resolution seeks approval to fund the DSM Program under LEAC for the following reasons:

- The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.
- DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.
- Like renewable energy, a major rationale behind DSM is predicated on the avoidance of fuel costs and the need for capacity additions. Furthermore, unlike renewable energy without energy storage, DSM provides reductions to future power system capacity expansion costs.
- The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs under the LEAC; and therefore may use this precedent to treat DSM Program Expenses in a similar fashion.
- Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.

**Where is the location?**

Territory of Guam

**How much will it cost?**

PUC approval of GPA's recommendation results in DSM expenses being revenue neutral.

**When will it be completed?**

Upon approval of the Guam Public Utilities Commission

**What is its current funding source?**

Base Rate Revenues

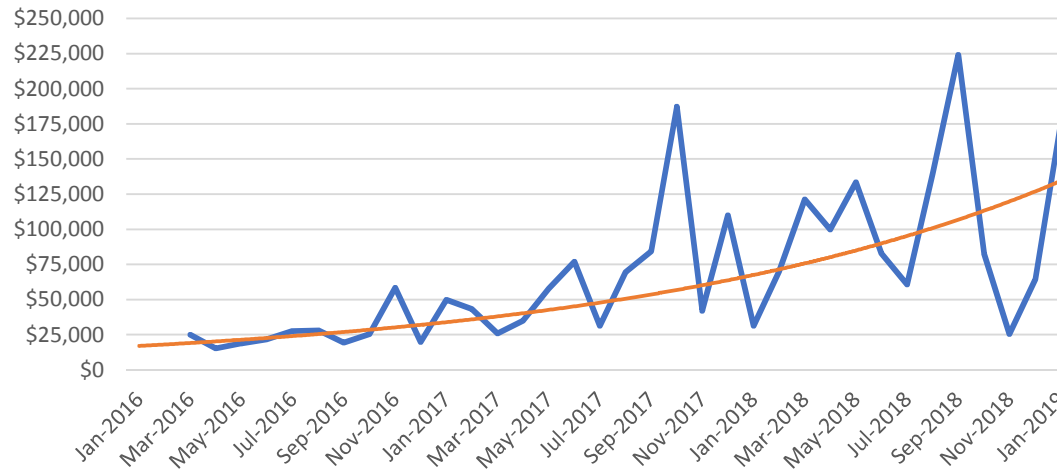


# GPA Resolution No. 2019-03

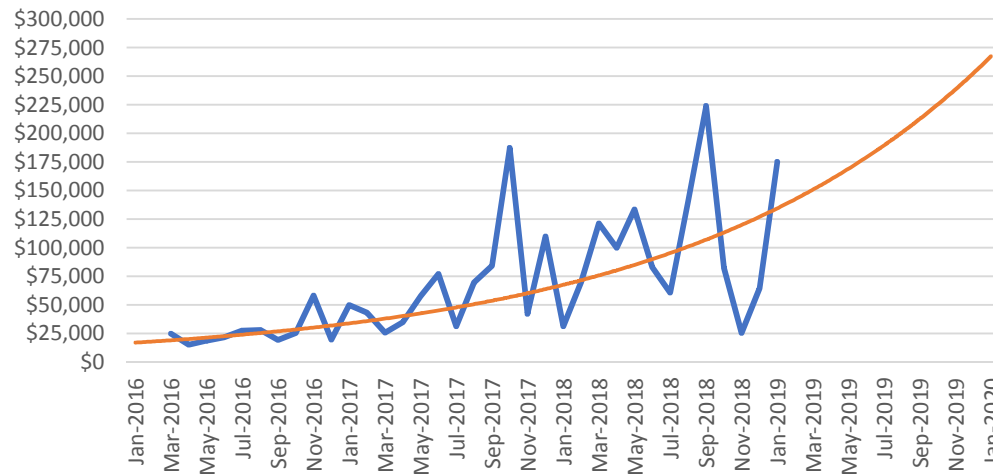
3

## EXHIBIT A

## Monthly Rebates Paid (\$)



## Historical &amp; Forecasted Rebates (\$)



- DSM Expenses is growing exponentially
- Growth Rate will make it very difficult to fund out of base rates
- GPA may have to cap program

Figure A-1. Historical and Forecast Monthly DSM Rebate Expenses



# GPA Resolution No. 2019-03

4

## EXHIBIT A

## Annual Rebates Paid (\$)

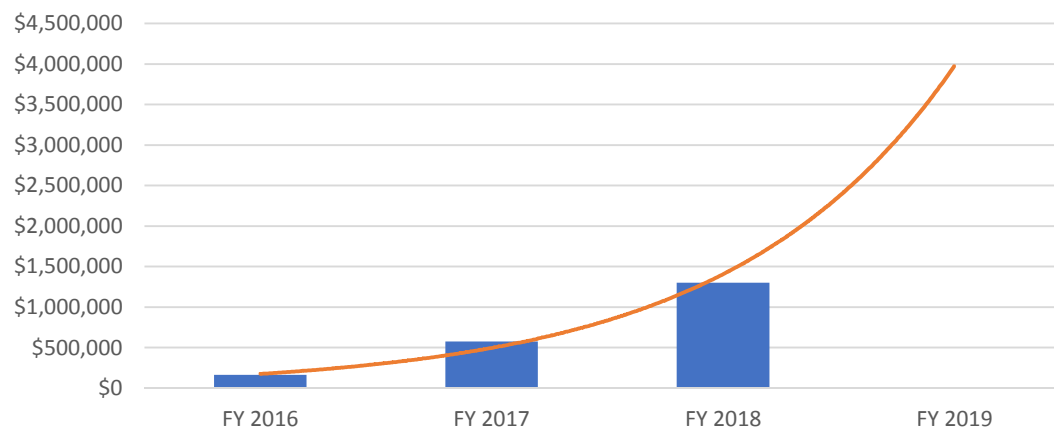


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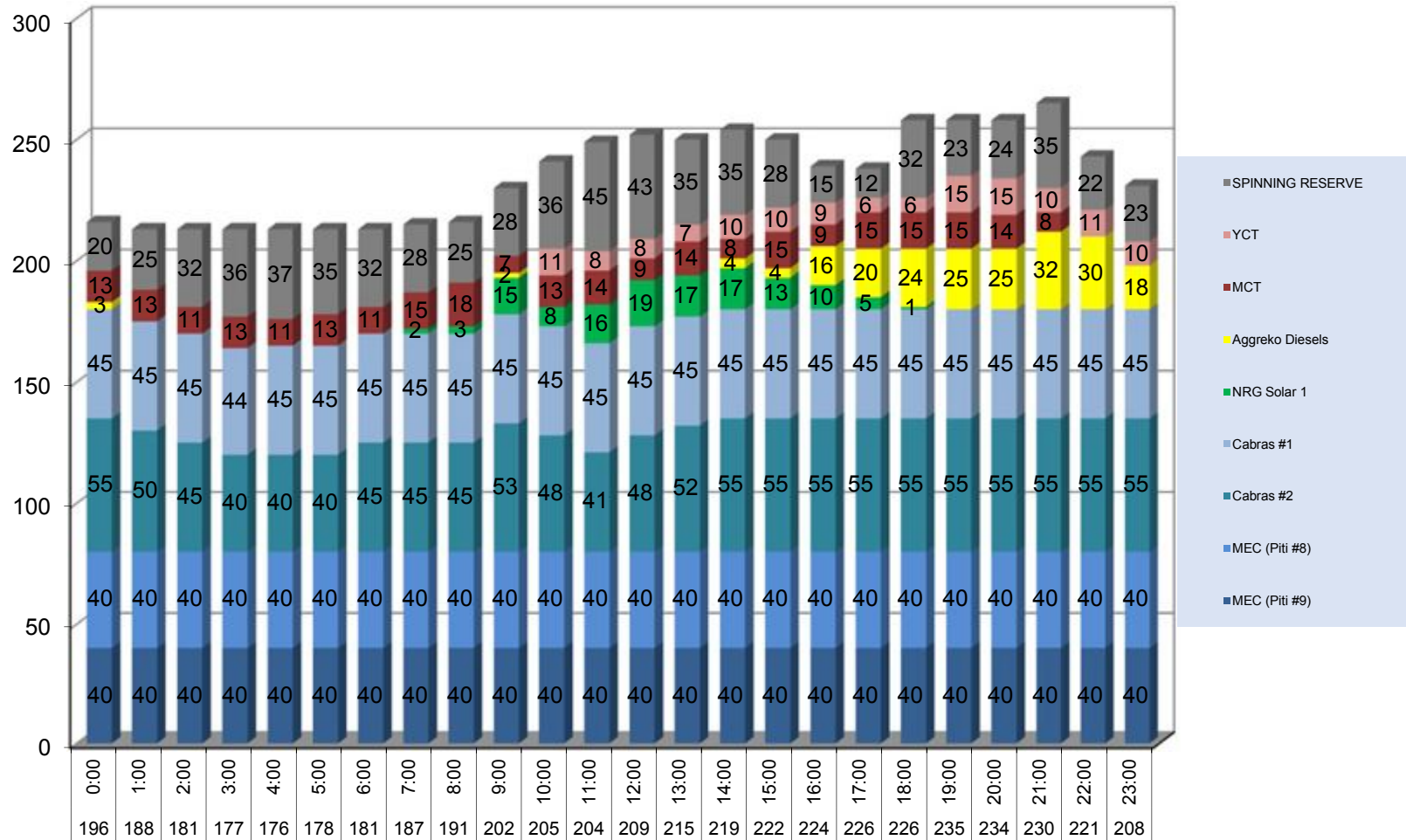
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# GPA Resolution No. 2019-03

5

## Generation Loading Report Wednesday, May 9, 2018



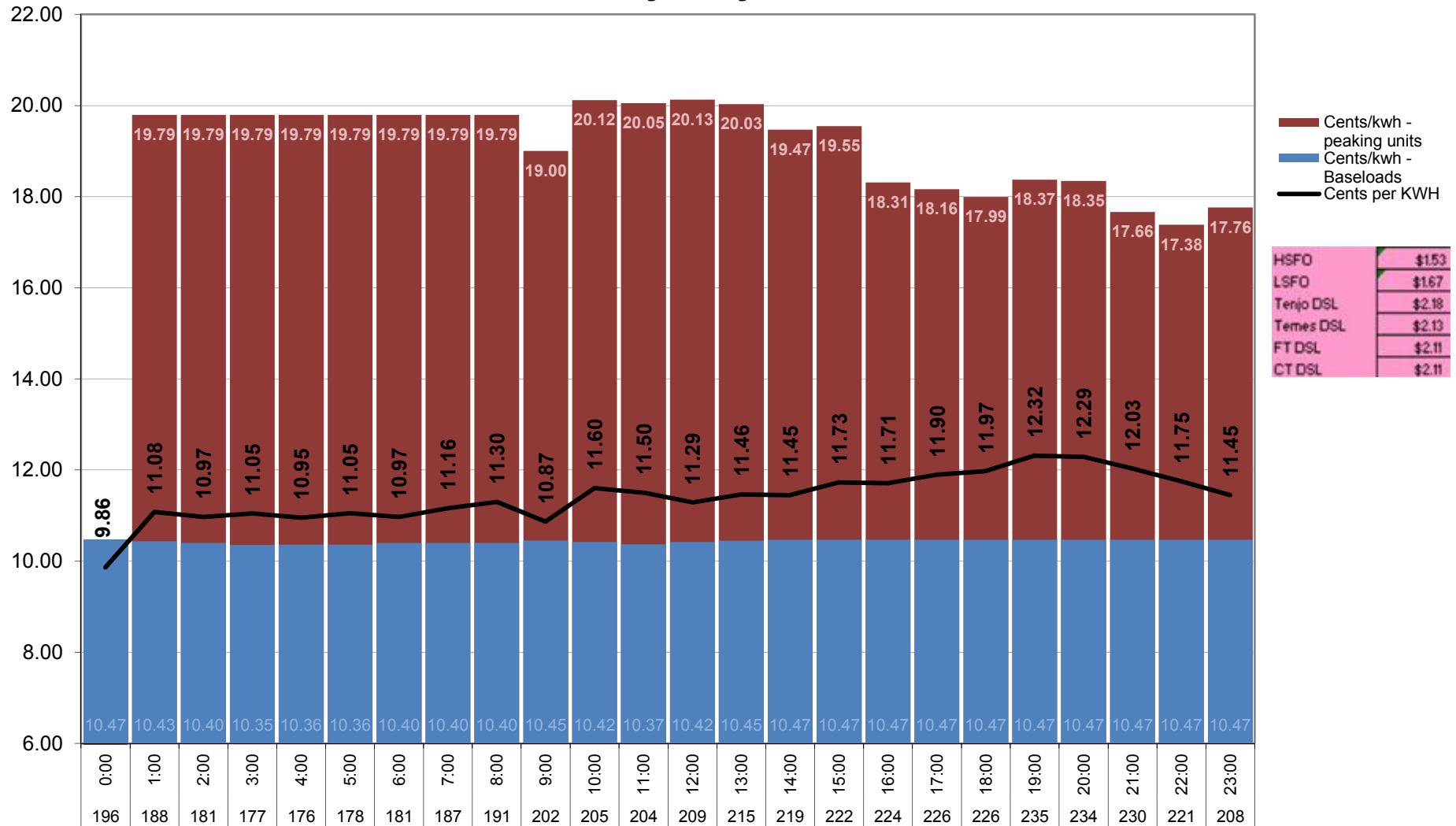
# GPA Resolution No. 2019-03

6

## Cents per KWH Wednesday, May 9, 2018

Ave. Cost RFO = 10.43 cents /kwh

Ave. Cost DSL = 18.49 cents /kwh



# GPA Resolution No. 2019-03

7

## EXHIBIT A

Table A-2. Customer Savings Projections for 2 SEER Improvement

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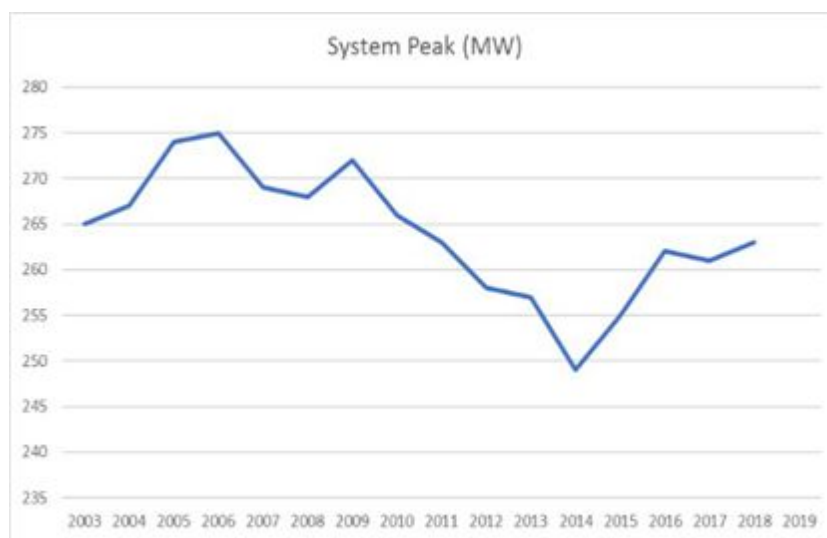


Figure A-3. System Peak (MW)



# GPA Resolution No. 2019-03

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## CY 2018 Production Data:

CY 2018	Gross KWH	\$ Fuel Cons	% of Gross Gen	\$/Kwh	Capacity Factor
Cabras Unit #1	306,142,000	\$ 35,902,118.00	17.97%	\$0.117	58.2%
Cabras Unit #2	338,324,000	\$ 40,197,936.00	19.86%	\$0.119	64.4%
MEC Unit #8	312,271,500	\$ 28,989,805.00	18.33%	\$0.093	81.0%
MEC Unit #9	313,360,500	\$ 29,623,718.00	18.40%	\$0.095	81.3%
Dededo CT #1	14,066,650	\$ 3,912,331.00	0.83%	\$0.278	8.0%
Dededo CT #2	15,559,100	\$ 4,041,206.00	0.91%	\$0.260	8.9%
Macheche CT	49,876,405	\$9,928,653.00	2.93%	\$0.199	28.5%
TEMES CT	59,006,154	\$14,206,679.00	3.46%	\$0.241	16.8%
Yigo CT	54,419,180	\$10,916,177.00	3.19%	\$0.201	31.1%
Manenggon	1,347,776	\$159,342.00	0.08%	\$0.118	1.5%
Talofofo	12,477,790	\$1,914,145.00	0.73%	\$0.153	17.8%
Tenjo	38,787,340	\$6,541,346.00	2.28%	\$0.169	18.4%
Aggreko Diesels	143,961,695	\$24,840,803.00	8.45%	\$0.173	41.1%
NRG Solar	43,402,149		2.55%	\$0.000	19.8%
GPA Wind Turbine	355,296		0.02%	\$0.000	14.7%
TOTAL	1,703,357,534	\$ 211,174,259.00		\$0.124	

Fuel Type	KWH	COST	\$/Kwh	\$/MWH
Total RFO	1,270,098,000	\$ 134,713,577.00	0.1061	\$ 106.07
Total ULSD	389,502,089	\$ 76,460,682.00	0.1963	\$ 196.30
Total Renewables	43,757,445	-	0.0000	\$ -





# GPA Resolution No. 2019-03

9

## Fuel Cost Savings Summary:

Minimum KW Reduction per Applicant	0.36
Total Applicants	7,060
Total KW Reduction	2,542
Residential Load Factor	57.0%
Annual KWH Avoided	12,690,717
Average Diesel Production \$/Kwh	\$0.196
Annual Savings	\$2,491,188
Rebate Paid	\$2,283,652
Payback in Years	0.9
Equipment Life in Years	7
Total Fuel Savings over Life	\$15,154,662

Potential Annual Rebate Amount based on Exponential Curve	\$4,000,000
CY 2018 Fuel Cost	\$211,174,259
Percentage of Fuel Budget	1.9%





**GUAM POWER AUTHORITY**  
ATURIDÁT ILEKTRESEDÁT GUAHAN  
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## **Issues for Decision**

**Resolution No. 2019-05:**

**Relative to Authorize Expenditures for the Kaiser Hybrid Conversion Project**

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

The Kaiser Hybrid Conversion Project is designed to convert the existing overhead secondary system along East San Antonio Avenue, East and West Papaya Court, and Mangga Court in Kaiser Dededo to an underground system. The project will also upgrade the system to address voltage delivery issues. This project will provide an underground secondary system that will remain intact in the event of a typhoon, consequently reducing restoration efforts for this area.

The secondary lines will be placed underground and overhead power service to residential customers' homes within the project area will be converted to an underground service.

**Where is it at?**

East San Antonio Avenue, East and West Papaya Court, and Mangga Court in Kaiser Dededo

**How much will it cost?**

Giant Construction is the lowest responsive bid at \$1,190,010.

**When will it be completed?**

Time delivery to complete work is 12 months upon issuance of NTP.

**What is its funding source?**

Revenue funds.

**The RFP/BID responses:**

MDCI and Giant Construction were the only bidders.



**CONSOLIDATED COMMISSION ON UTILITIES**

Guam Power Authority | Guam Waterworks Authority

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**Resolution No. 2019-05**

**Resolution to Authorize Expenditure for the Construction of the  
Kaiser Hybrid Conversion Project**

**WHEREAS**, GPA seeks to mitigate against future damages associated with typhoons on existing overhead distribution lines; and

**WHEREAS**, the construction of the Kaiser Hybrid Conversion Project will provide an underground secondary system that will remain intact in the event of a typhoon, minimizing restoration efforts to Kaiser, Dededo, thus improving service reliability; and

**WHEREAS**, GPA has secured Revenue funding necessary for the Kaiser Hybrid Conversion Project; and

**WHEREAS**, GPA has justified the project by conducting a cost-benefits analysis which shows that the benefits gained by the completion of the project outweigh the expenditures; and

**WHEREAS**, GPA seeks construction services for the Kaiser Hybrid Conversion Project involving the conversion of existing overhead secondary lines to underground in order to significantly increase system reliability in a cost-effective manner; and

**WHEREAS**, the Procurement Office has provided adequate public announcement for the required services for Kaiser Hybrid Conversion Project through Bid Invitation No. GPA-070-18 providing the project specifications and information required of each offeror; and

**Whereas**, M.D. Crisostomo Inc. and Giant Construction Corporation submitted bids for GPA's consideration; and

**WHEREAS**, GPA's Evaluation Committee has determined Giant Construction Corporation to be the lowest responsive bidder at \$1,190,010; and

**WHEREAS**, GPA has secured \$1,190,010 for the Kaiser Hybrid Conversion Project; and

29       **WHEREAS**, Giant Construction Corporation has submitted the necessary  
30 information and interest in providing such service; and

31       **WHEREAS**, the award of this Purchase Order to Giant Construction Corporation  
32 has been made pursuant to a written finding by the Procurement Officer that Giant  
33 Construction Corporation's offer meets the requirements of GPA's specifications and has  
34 been determined to be fair and reasonable.

35  
36       **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on  
37 Utilities as follows:

- 38  
39       1. After careful consideration, the Consolidated Commission on Utilities finds the  
40 procurement of the required services for the Kaiser Hybrid Conversion Project to be  
41 reasonable and prudent.  
42       2. The General Manager of GPA is hereby authorized an increase in obligating authority  
43 from \$750,000 to \$1,190,010 for the purpose of securing construction services for the  
44 Kaiser Hybrid Conversion Project with Giant Construction Corporation.

45  
46       **RESOLVED**, that the Chairman of the Commission certifies and the Board  
47 Secretary attests the adoption of this Resolution.

48  
49       **DULY AND REGULARLY ADOPTED AND APPROVED THIS 26<sup>th</sup> DAY**  
50 **OF MARCH, 2019.**

51  
52  
53       Certified by:

Attested by:

54  
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56 \_\_\_\_\_  
57 **JOSEPH T. DUENAS**

58 **CHAIRMAN**

59 **Consolidated Commission on Utilities**

\_\_\_\_\_

**MICHAEL T. LIMTIACO**

**SECRETARY**  
**Consolidated Commission on Utilities**

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I, **MICHAEL T, LIMTIACO**, Secretary for the Consolidated Commission on Utilities (CCU) as evidenced by my signature above do certify as follows:

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

Ayes: \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

Abstain: \_\_\_\_\_

NUMBER OF INVITATIONS ISSUED:

5

NUMBER OF BIDS RECEIVED:

2

INVITATION NUMBER:

GPA-070-18

OPENING DATE:

OPENING TIME:

NOV 15, 2018 2:30 PM

## PROCUREMENT DIVISION

## GUAM POWER AUTHORITY

## ABSTRACT OF BIDS



DESCRIPTION OF SUPPLIES OR SERVICES:

Kaiser Hybrid Conversion Project

DESCRIPTION	QTY.	UNIT	DELIVERY
		Lot	365 Days after MTP
UNIT COST			
PART NUMBER			
CATALOG NUMBER			
MANUFACTURER			
DELIVERY			
TOTAL LUMP SUM			\$ 1,295,650 -
UNIT COST			
PART NUMBER			
CATALOG NUMBER			
MANUFACTURER			
DELIVERY			
TOTAL LUMP SUM			\$ 166,350 -

No. 1-1 Vendor Name: M. D. Cristostomo Inc.

BID GUARANTEE:

Bid Bond #: CKI-0011-GMB-18 Amount: \$ 225,000 -

Certificate of Authority

Power of Attorney

Standby Letter of Credit # Amount \$

Letter of Credit # Amount \$

Cashier's or Certified Check # Amount \$

Wire Transfer

Statement of Qualifications

Affidavits (Original Form)

Affidavits (Copy Form): Originals submitted with

Major Shareholders Non-Collusion No Gratuities or Kickbacks

Ethical Standards Wage Determination Restriction Against Sex Offenders

Business License Contractors License

Local Procurement Signed and Submitted

Literature

I hereby certify that all bids received in response to this invitation were opened under my personal supervision, and that the names of all bidders have been entered herein.

SIGNATURE


TABULATED BY:

DATE: 11/15/18

☐ Lowest Responsive Bidder  
☐ Tie Bid  
☐ Only Bid  
☐ Other Than Lowest Responsive Bidder

PAGE 1 OF 2

# **NAMES OF PERSONS PRESENT AT THE BID OPENING AND WHOM THEY REPRESENT**

	PRINT NAME:	COMPANY NAME:	SIGNATURE:	DATE:
1	ELIAS CRISTOBAL	M. D. C. I.		11-15-18
2				
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21				

NUMBER OF INVITATIONS ISSUED:

5

NUMBER OF BIDS RECEIVED:

2

INVITATION NUMBER:

GPA-070-18

OPENING DATE:

Nov 15, 2018

OPENING TIME:

2:30 PM



## PROCUREMENT DIVISION

## GUAM POWER AUTHORITY

## ABSTRACT OF BIDS

DESCRIPTION OF SUPPLIES OR SERVICES:

Kaiser Hybrid Conversion Project

DESCRIPTION	QTY.	UNIT	DELIVERY
		Lot	365 Days after MTP
			Basic
UNIT COST			
PART NUMBER			
CATALOG NUMBER			
MANUFACTURER			
DELIVERY			
TOTAL LUMP SUM			\$ 6,079,256-
			Additive
UNIT COST			
PART NUMBER			
CATALOG NUMBER			
MANUFACTURER			
DELIVERY			
TOTAL LUMP SUM			\$ 110,754-

No.: 12-1 Vendor Name: Grant Construction Corp.

BID GUARANTEE:

Bid Bond #: BND201583-A-01 Amount: \$ 15% of Bid

Certificate of Authority ☒ Power of Attorney

Standby Letter of Credit # \_\_\_\_\_ Amount \$ \_\_\_\_\_

Letter of Credit # \_\_\_\_\_ Amount \$ \_\_\_\_\_

Cashier's or Certified Check # \_\_\_\_\_ Amount \$ \_\_\_\_\_

Wire Transfer

Statement of Qualifications

Affidavits (Original Form)

Affidavits (Copy Form): Originals submitted with \_\_\_\_\_

Major Shareholders ☒ Non-Collusion ☒ No Gratuities or KickbacksEthical Standards ☒ Wage Determination ☒ Restriction Against Sex OffendersBusiness License ☒ Contractors License

Local Procurement Signed and Submitted

Literature

I hereby certify that all bids received in response to this invitation were opened under my personal supervision, and that the names of all bidders have been entered herein.

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DATE: 11/15/18

☐ Lowest Responsive Bidder  
☐ Tie Bid  
☐ Only Bid  
☐ Other Than Lowest Responsive Bidder

PAGE 2 OF 2



NAMES OF PERSONS PRESENT AT THE BID OPENING AND WHOM THEY REPRESENT			
PRINT NAME:	COMPANY NAME:	SIGNATURE:	DATE:
1			
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Kaiser Subdivision Dededo  
Circuit P088

# **GENERAL MANAGER'S REPORT**

## **MARCH 2019**





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

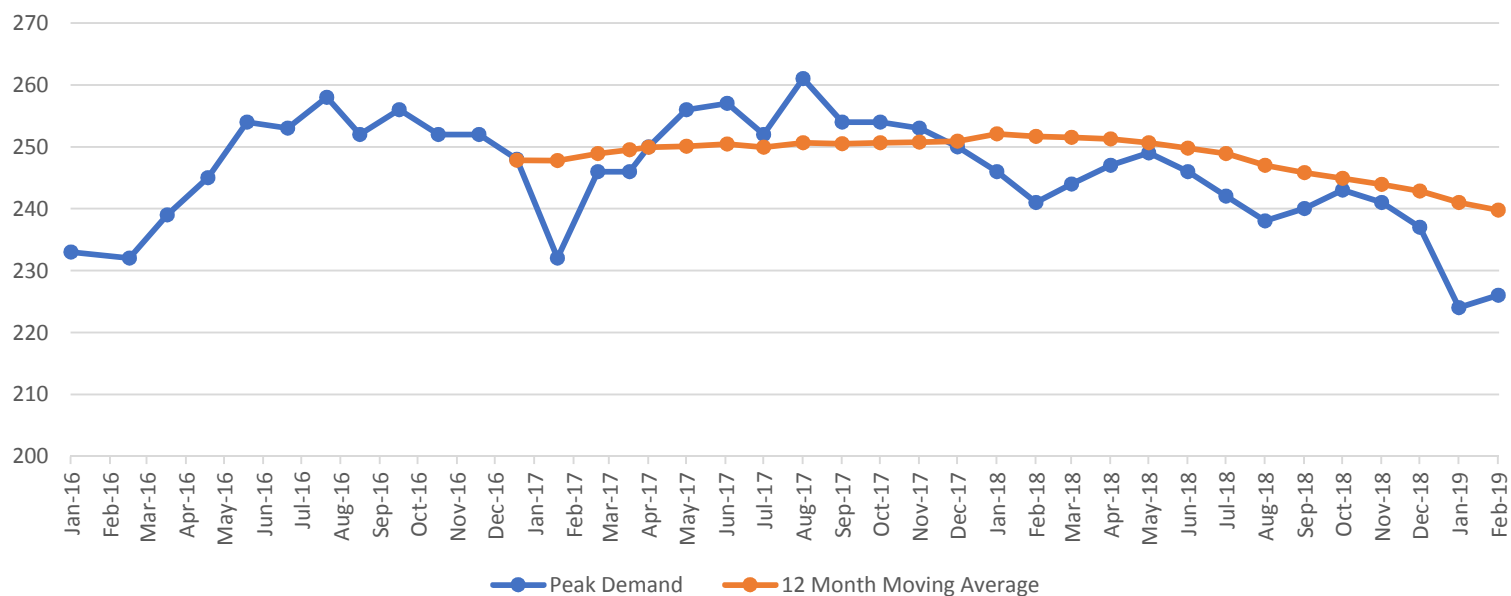
Projected Available Capacity: 352 MW

Projected Demand: 240 MW

Anticipated Reserve Margin: 112 MW

- **Demand estimated to be lower than April 2018.** The following shows the Peak demand from January 2017 to February 2019 and the 12-months trend:

**Monthly Peak MW Demand**



2. **Demand Side Management (DSM)** – DSM Program reduces peak demand and reduces LEAC cost for all customers at a one time fixed rebate. GPA needs to add funding to DSM because the current funding of \$2.8M will be exhausted by next month

**DSM PROGRAM EXPENSE SUMMARY:**

Description	FY16	FY17	FY18	FY19 thru 2/28/19*	Total to Date
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$18,615.22	\$78,341.85
Other Contractual	\$28,278.50	\$85,550.05	\$116,977.50	\$3,025.00	\$233,831.05
Bank Fees	\$ 155.00	\$ 1,032.06	\$ 1,085.08	\$ 115.00	\$2,387.14
Paid Rebates–Split AC	\$ 154,700.00	\$ 557,275.00	\$1,247,000.00	\$ 415,625.00	\$2,374,600.00
Paid Rebates– Central AC	\$ 3,400.00	\$ 8,200.00	\$ 4,400.00	\$ -	\$16,000.00
Paid Rebates– Washer/Dryer	\$ 2,800.00	\$ 7,425.00	\$ 48,800.00	\$ 35,800.00	\$94,825.00
<b>Total Expenses</b>	<b>\$200,682.30</b>	<b>\$681,738.11</b>	<b>\$1,444,384.41</b>	<b>\$473,180.22</b>	<b>\$2,799,985.04</b>

- 3. Net Metering (NEM) Credit Adjustment:** CCU approved GPA filing a petition to the PUC to consider changes to the existing net metering credit. GPA filed with PUC for adjustment of net metering credits from retail to avoided cost with a Grandfather phase-out approach over 5 years to the GPA avoided cost credit. PUC has engaged its consultant Daymark to review the petition and work is on-going at this time. The following summarizes Net Metering Customers as of February 2019:

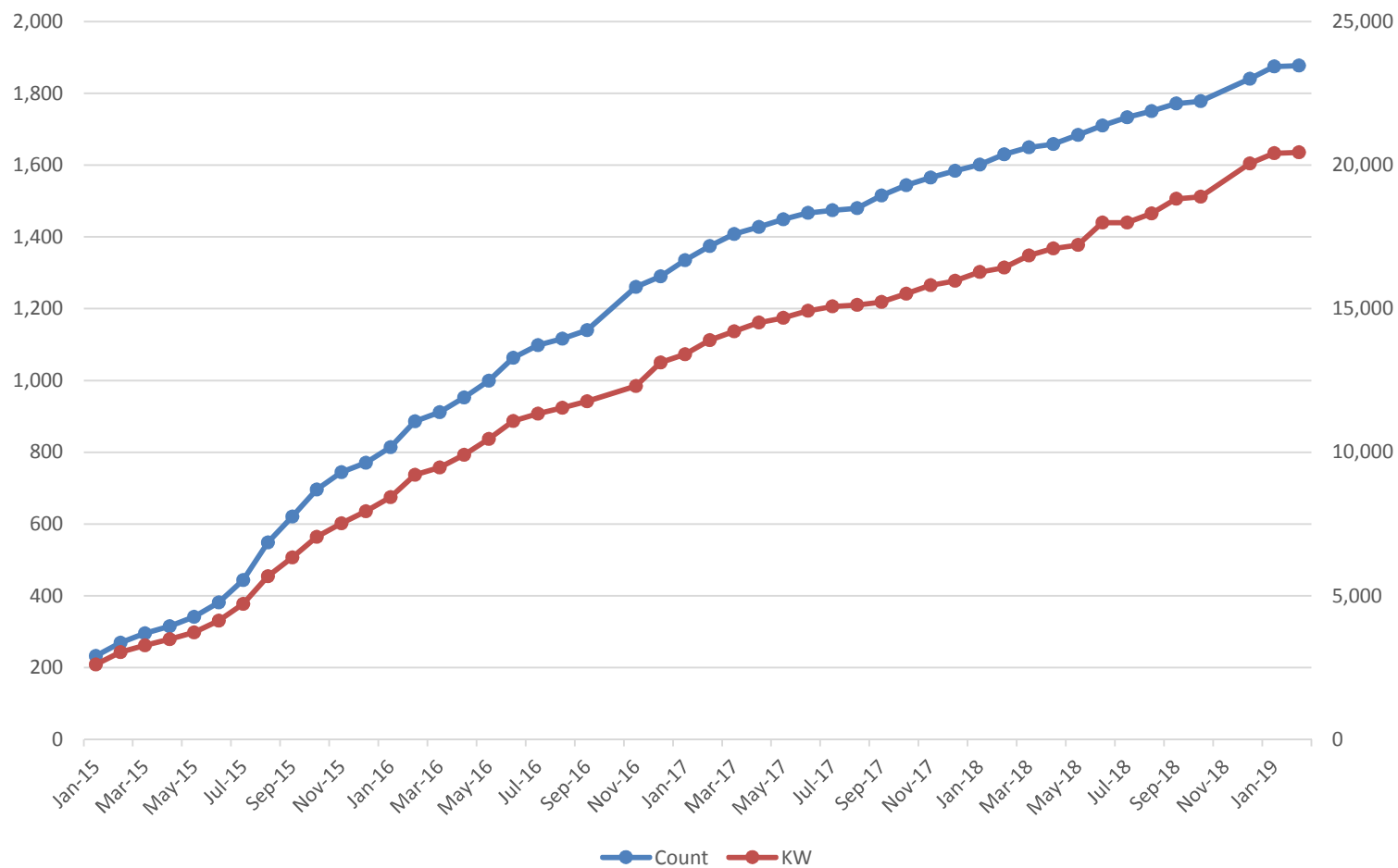
**Net Metering Summary Ending February 2019:**

<b>Description:</b>	<b>Count</b>	<b>Kw</b>
<b>Active</b>	<b>1,877</b>	<b>20,441</b>
Pending	19	241
<b>Totals:</b>	<b>1,896</b>	<b>20,682</b>

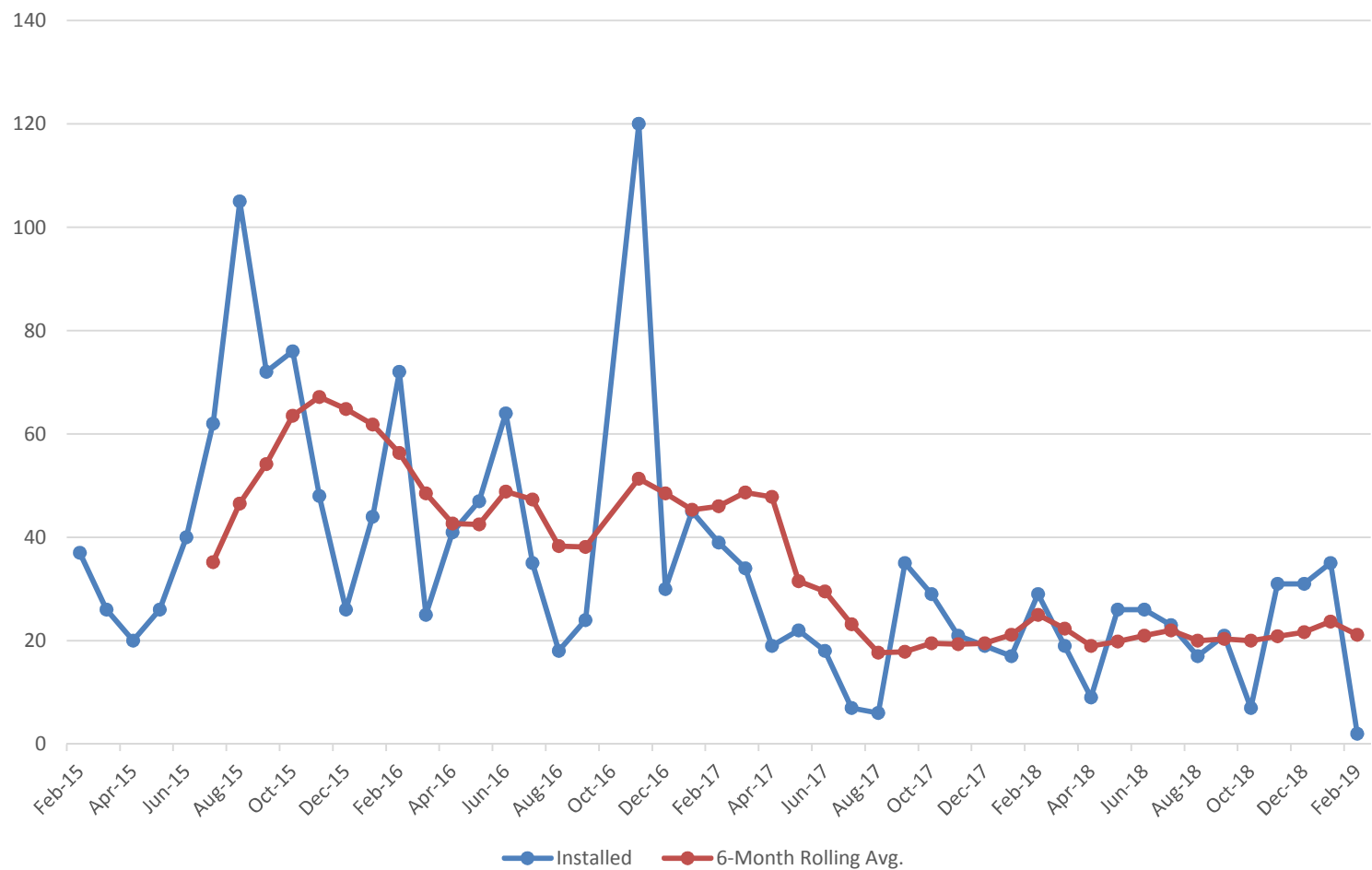
<b>Service:</b>	<b>Count</b>	<b>KW</b>	<b>Kw/Customer</b>
Residential	1,776	16,451	9.3
Others	101	3,990	39.5
<b>Total:</b>	<b>1,877</b>	<b>20,441</b>	<b>10.9</b>
<b>% Residential</b>	<b>94.6%</b>	<b>80.5%</b>	
<b>Estimated 12 Months Revenue Impact:</b>	<b>\$3,248,217</b>		



### Net metering Count and KW Capacity



NEM Installed Monthly





4. **Briefings:** As directed by the CCU, we have completed the briefing for the Governor, the Lt. Governor, the Speaker and the Legislative Oversight Chairman for GPA.
5. **PUC Dockets:** GPA has one docket, Docket 19-08, for PUC approval at their regular meeting on March 28, 2019. The docket is related to the extension of the Fuel Bulk Storage Facility operations and maintenance contract.

The PUC has scheduled three public hearings on GPA's Net Metering Credit petition: March 26<sup>th</sup>, 6:30pm at the GCIC Building; April 3<sup>rd</sup>, 7:00pm at the Dededo Senior Citizen Center; April 4<sup>th</sup>, 6:00pm at the Agat Community Center.

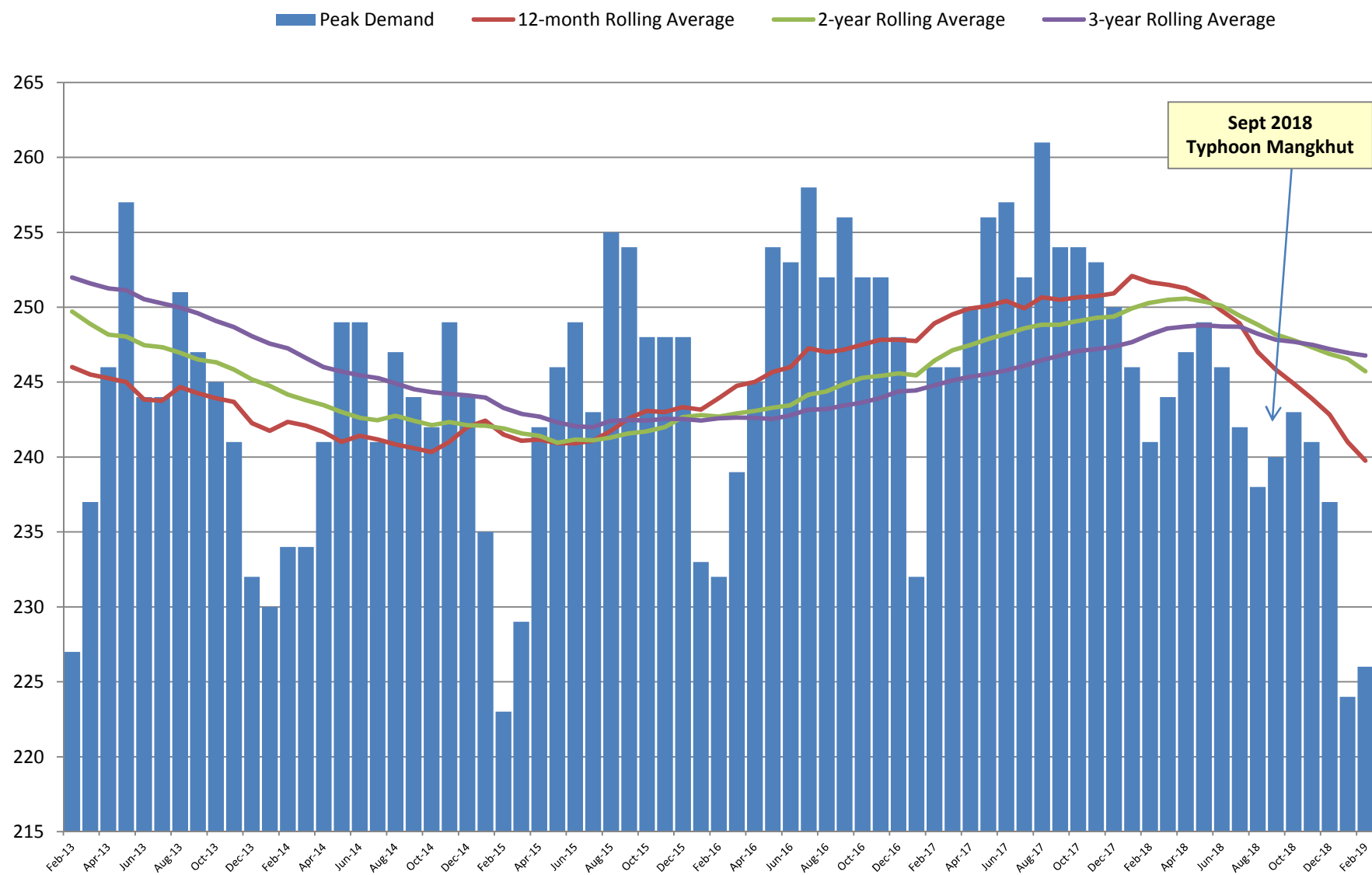
6. **Village Pilot project:** GPA is scheduled to meet with the nine village Mayors participating in the tree trimming and pole painting project. The meeting is scheduled for March 29<sup>th</sup>, Friday at 10:00am here at Fadian. The project has kicked off and we look forward to successfully implementing the program. The villages participating include Agana Heights, Asan-Maina, Chalan Pago-Ordot, Inarajan, Mangilao, Mongmong-Toto-Maite, Piti, Talofofo and Yona.



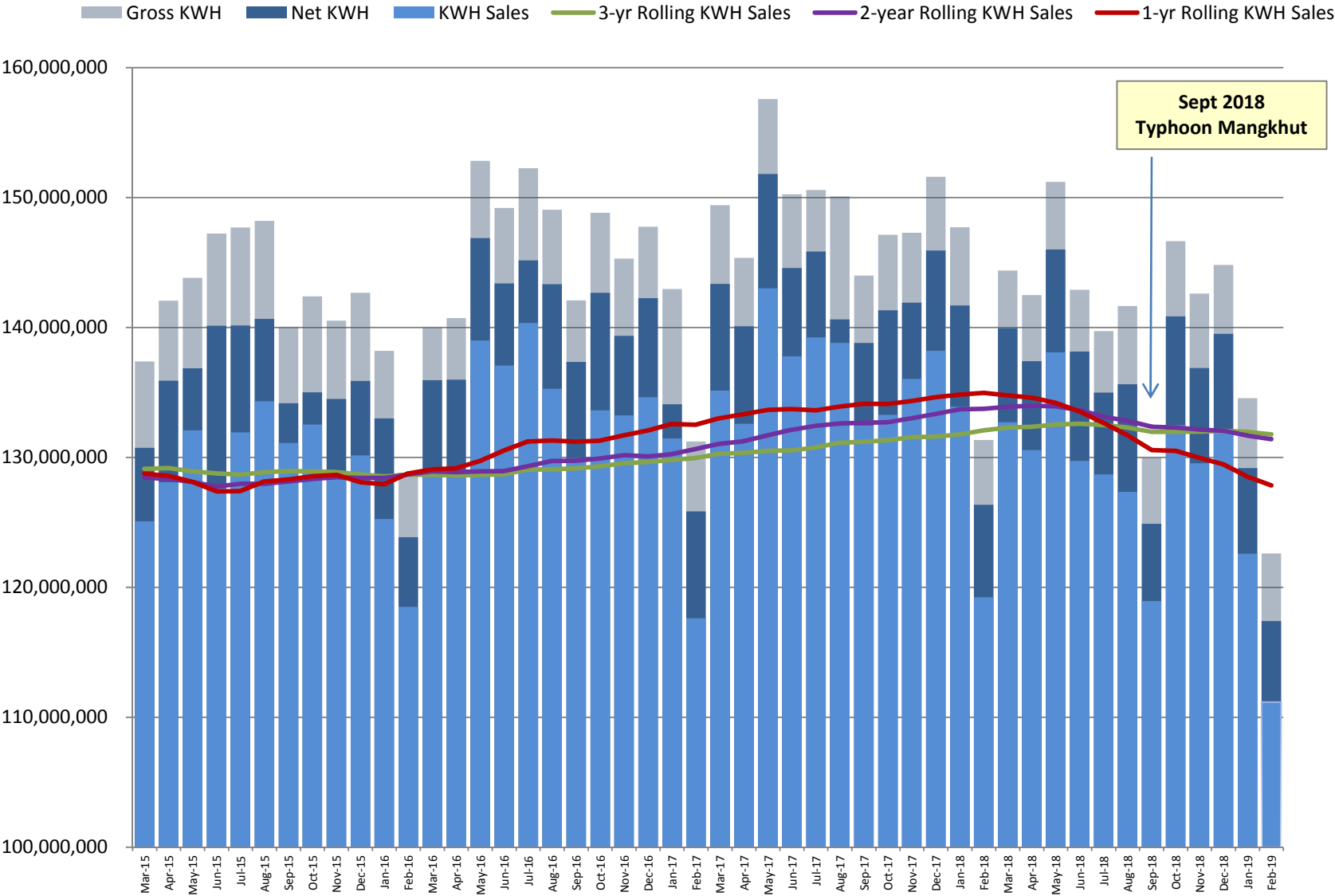
## 7. February 2019 Data



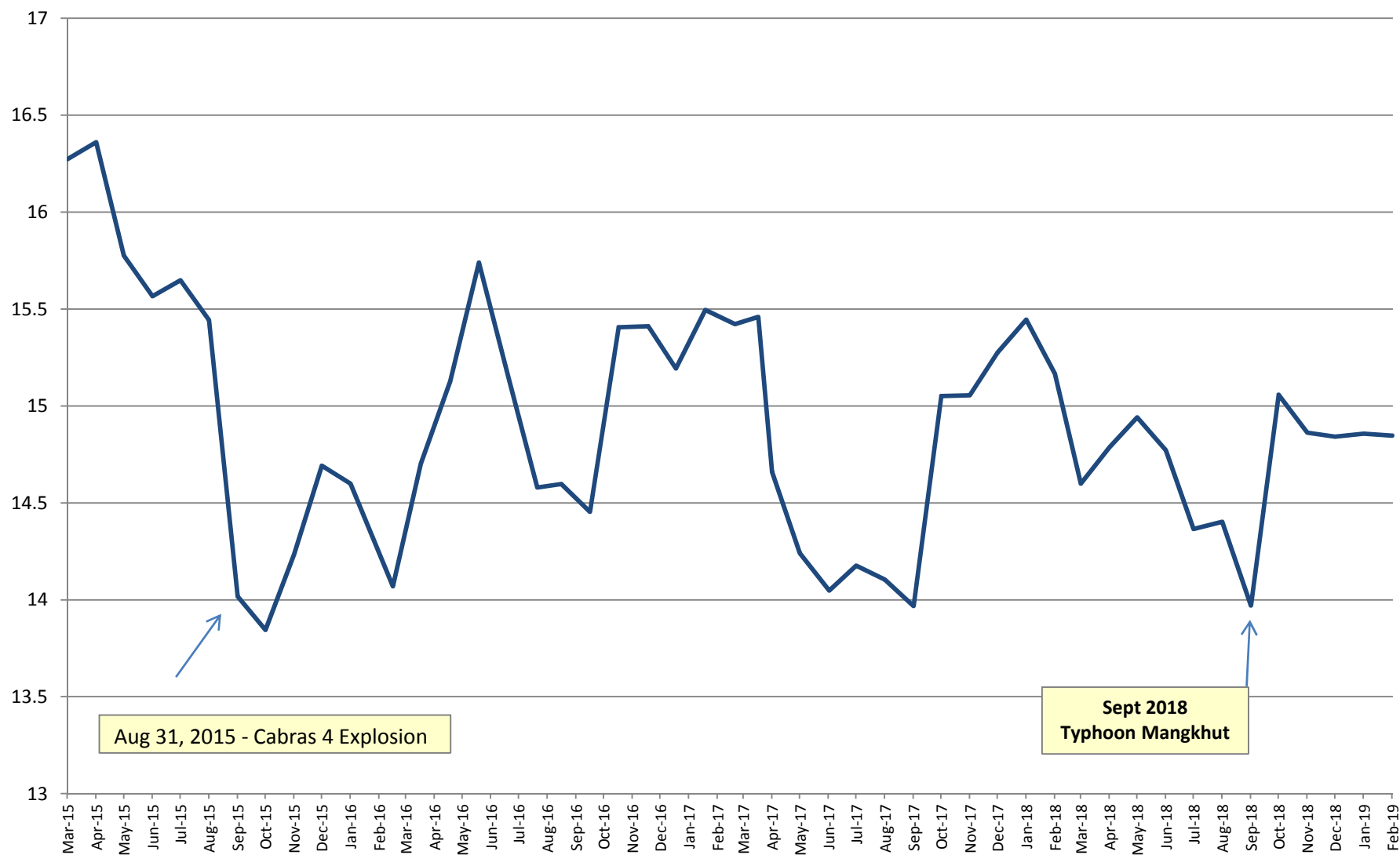
## Historical Monthly Peak Demand February 2013 - February 2019



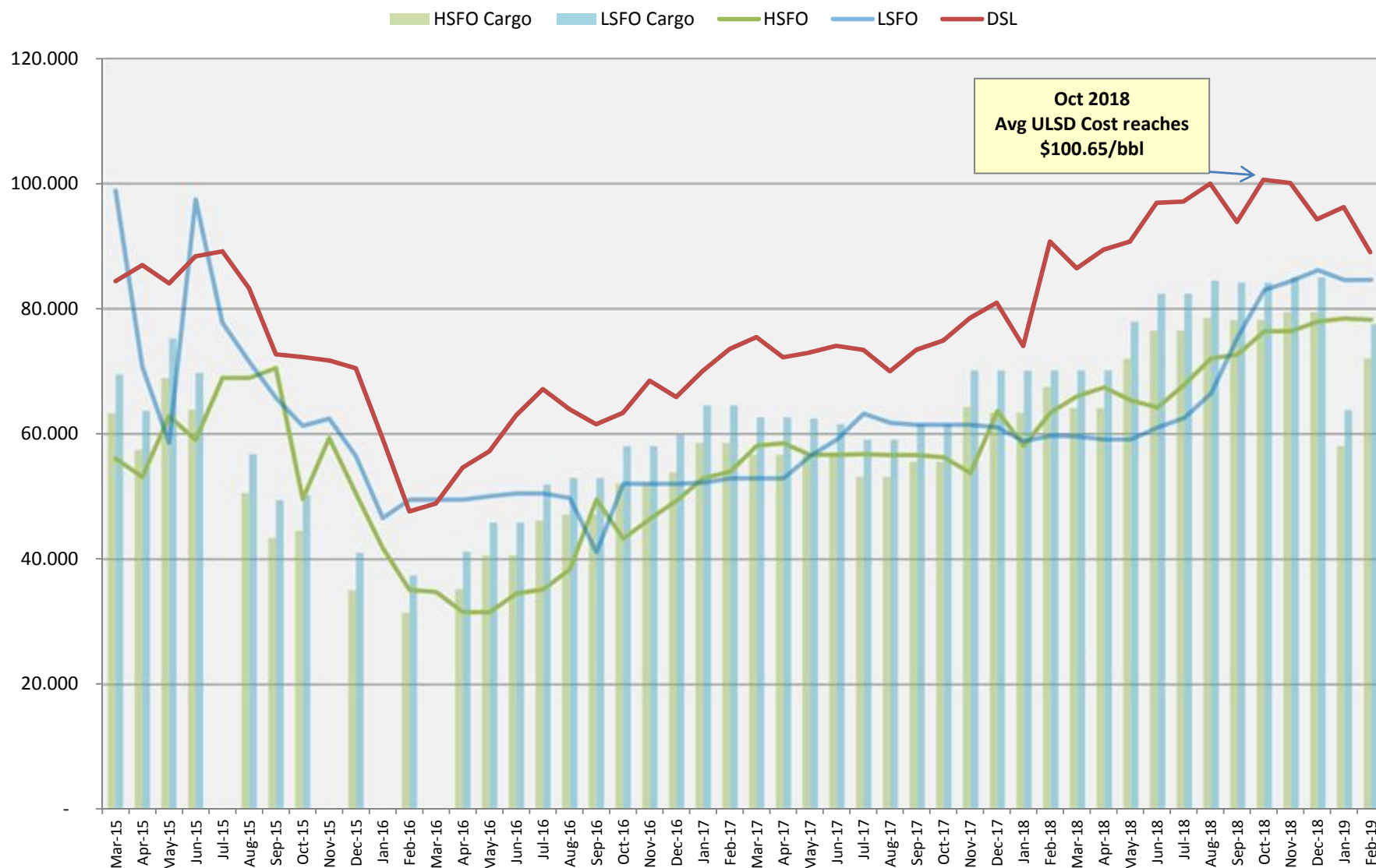
# Historical KWH Sales March 2015 - February 2019



# **SYSTEM GROSS HEAT RATE (KWH/Gal) March 2015 - February 2019**



## Fuel Cargo and Fuel Consumption Costs (\$/bbl) March 2015 - February 2019



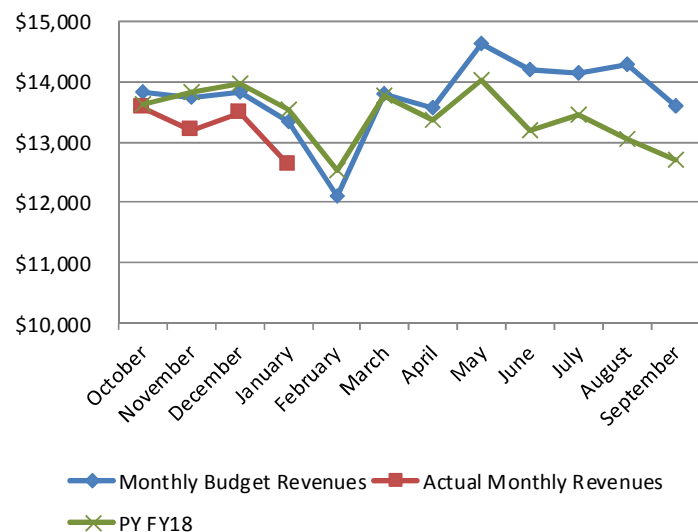
# CFO FINANCIAL HIGHLIGHT January 2019



# January 2019 Monthly Financial Highlight

14

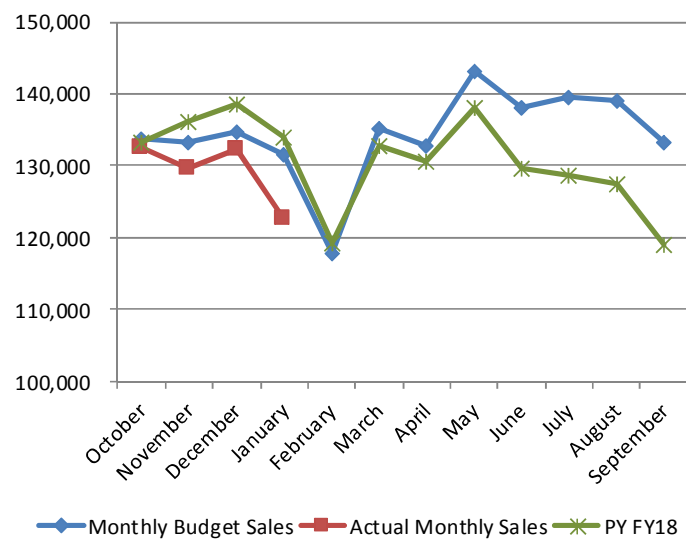
Base Rate Revenue \$000



Through January 31, 2019

	Monthly Budget Revenues \$000	Actual Monthly Revenues	Variance		PY FY18	CY vs PY Variance	
October	\$ 13,811	\$ 13,564	\$ (246)	↓	\$ 13,625	\$ (61)	↓
November	13,723	13,203	\$ (519)	↓	13,827	\$ (624)	↓
December	13,833	13,467	\$ (365)	↓	13,968	\$ (501)	↓
January	13,321	12,616	\$ (705)	↓	13,534	\$ (918)	↓
February	12,114				12,522		
March	13,790				13,776		
April	13,562				13,351		
May	14,630				14,011		
June	14,196				13,201		
July	14,152				13,446		
August	14,280				13,041		
September	13,590				12,707		
<b>Total</b>	<b>\$ 165,002</b>	<b>\$ 52,851</b>	<b>\$ (1,836)</b>		<b>\$ 161,010</b>	<b>\$ (2,103)</b>	

MWh Sales



Through January 31, 2019

	Monthly Budget Sales gwh	Actual Monthly Sales	Variance		PY FY18	CY vs PY Variance	
October	133,797	132,489	(1,308)	↓	133,262	(773)	↓
November	133,346	129,537	(3,809)	↓	136,044	(6,506)	↓
December	134,715	132,190	(2,525)	↓	138,587	(6,397)	↓
January	131,547	122,590	(8,958)	↓	133,882	(11,292)	↓
February	117,775				119,241		
March	135,196				132,693		
April	132,763				130,565		
May	143,236				138,085		
June	138,016				129,728		
July	139,434				128,681		
August	139,030				127,348		
September	133,149				118,935		
<b>Total</b>	<b>1,612,003</b>	<b>516,806</b>	<b>(16,599)</b>		<b>1,567,052</b>	<b>(24,969)</b>	

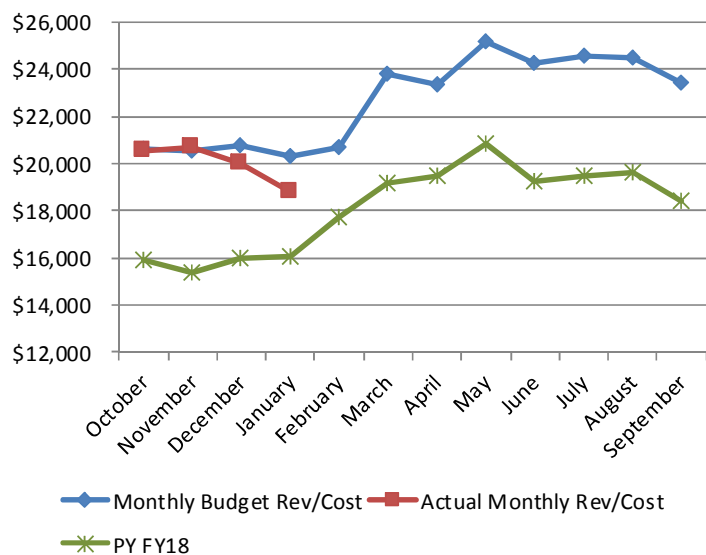




# January 2019 Monthly Financial Highlight (Continued)

15

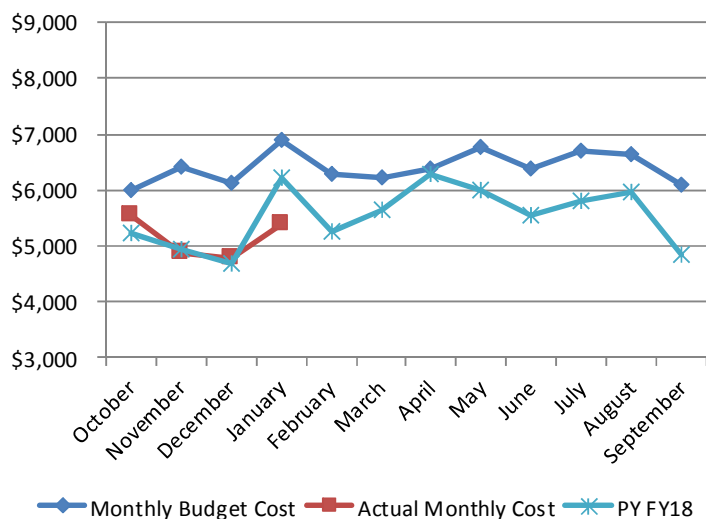
Fuel Revenue/ Cost \$000



Through January 31, 2019

	Monthly Budget Rev/Cost \$000	Actual Monthly Rev/Cost	Variance		PY FY18	CY vs PY Variance
October	\$ 20,637	\$ 20,550	\$ (87)	↓	\$ 15,936	\$ 4,615 ↑
November	20,568	20,711	\$ 143	↑	15,400	\$ 5,310 ↑
December	20,779	19,969	\$ (810)	↓	16,007	\$ 3,961 ↑
January	20,290	18,822	\$ (1,468)	↓	16,036	\$ 2,785 ↑
February	20,718				17,763	
March	23,783				19,180	
April	23,354				19,441	
May	25,197				20,854	
June	24,279				19,252	
July	24,528				19,457	
August	24,457				19,608	
September	23,422				18,390	
<b>Total</b>	<b>\$ 272,011</b>	<b>\$ 80,051</b>	<b>\$ (2,222)</b>		<b>\$ 217,324</b>	<b>\$ 16,672</b>

O&amp;M Cost \$000



Through January 31, 2019

	Monthly Budget Cost \$000	Actual Monthly Cost	Variance		PY FY18	CY vs PY Variance
October	\$ 5,986	5,551	435	↑	5,239	(312) ↓
November	6,419	4,875	1,544	↑	4,941	66 ↑
December	6,119	4,762	1,358	↑	4,694	(68) ↓
January	6,882	5,399	1,483	↑	6,204	805 ↑
February	6,291				5,252	
March	6,231				5,638	
April	6,374				6,269	
May	6,753				6,005	
June	6,373				5,558	
July	6,710				5,797	
August	6,648				5,961	
September	6,079				4,836	
<b>Total</b>	<b>\$ 76,866</b>	<b>\$ 20,588</b>	<b>\$ 4,820</b>		<b>\$ 66,394</b>	<b>\$ 491</b>



# January 2019 Monthly Financial Highlight (Continued)

16

Through January 31, 2019						
	1Q2018	2Q2018	3Q2018	4Q2018	1Q2019	2Q2019
Residential	43,898	44,065	44,074	43,887	43,920	44,091
Commercial	5,231	5,262	5,278	5,261	5,273	5,287
Government	1,076	1,086	1,092	1,077	1,090	1,077
Streetlights	908	1,005	1,091	1,152	1,151	1,150
Navy	1	1	1	1	1	1
	51,114	51,419	51,536	51,378	51,435	51,606

	2014	2015	2016	2017	2018	YTD Jan 2019
<b>Debt service coverage (DSC) calculation-indenture</b>						
Senior lien coverage	3.16	3.62	3.28	2.65	2.68	1.97
Aggregate debt service coverage	1.98	2.62	3.28	2.65	2.68	1.97
<b>Debt service coverage (DSC) calculation-IPP as O&amp;M</b>						
Senior lien coverage	2.55	2.56	2.45	1.79	1.80	1.36
Aggregate debt service coverage	1.41	1.85	2.45	1.79	1.80	1.36

- Under recovery of LEAC - \$13.3 million



# Renewable Energy Future

- The Next Step



# Status of Renewables Program Today

2

- 25MW of Solar PV Operating
- 20MW of Net Metering Solar PV Operating
- 60MW Solar PV Power Purchase Agreement Awarded to KEPCO-LGCNS
- 60MW Solar PV Power Purchase Agreement Awarded to HANWHA
- 40MW of Solar PV with ESS for Load Shifting Out on Bid for Award in 2019
- 40 WW of Energy Storage Batteries Under Construction for Commissioning in 2019
- New Power Plant Bid to be Contracted in 2019
- Smart Meter Utilized in GPA System
- CC&B Billing Software in Place to Facilitate Billings
- Renewables Integration Study Completed
- Petitioned PUC to Reduce Credits to Avoided Cost
- GPA Preparing Recommendation for CCU Approval to Increase Renewable Portfolio Standards (RPS) to 50%



# Solar Photovoltaic (PV) Renewables Projects Underway

3

Phase I	Phase II	Phase III	Phase IV
<ul style="list-style-type: none"> <li>• <b>25 MW</b></li> <li>• Dandan (NRG)</li> <li>• <i>Commissioned October 2015</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>120 MW</b></li> <li>• 60 MW w/ ESS KEPCO-LG Project (Sasayan)</li> <li>• 60 MW w/ ESS Hanwha Project</li> <li>• \$0.085 / kWh (1% Escalator)</li> <li>• Over \$43M Savings in first five years</li> <li>• <i>Commissioning 2021</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>40 MW</b></li> <li>• 20 MW w/ ESS (Big Navy)</li> <li>• 20 MW w/ ESS (South Finegayan)</li> <li>• Estimated award August 2019</li> <li>• <i>Complete shifting of energy produced during day to meet nighttime loads.</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>RENEWABLES INTEGRATION STUDY</b></li> <li>• Grid capacity</li> <li>• Additional integration</li> <li>• Could add 180 MW more</li> <li>• Upgrades of Grid necessary</li> <li>• New Power Plant is necessary</li> </ul>

**2021:** 26% Guam's energy needs provided by renewable energy (Net Metering Customers (18MW) + Phases I, II & III), exceeding mandate to produce 25% net electricity sales by 2035 PL-29-62

**40MW Battery Storage**  
Online in 2019

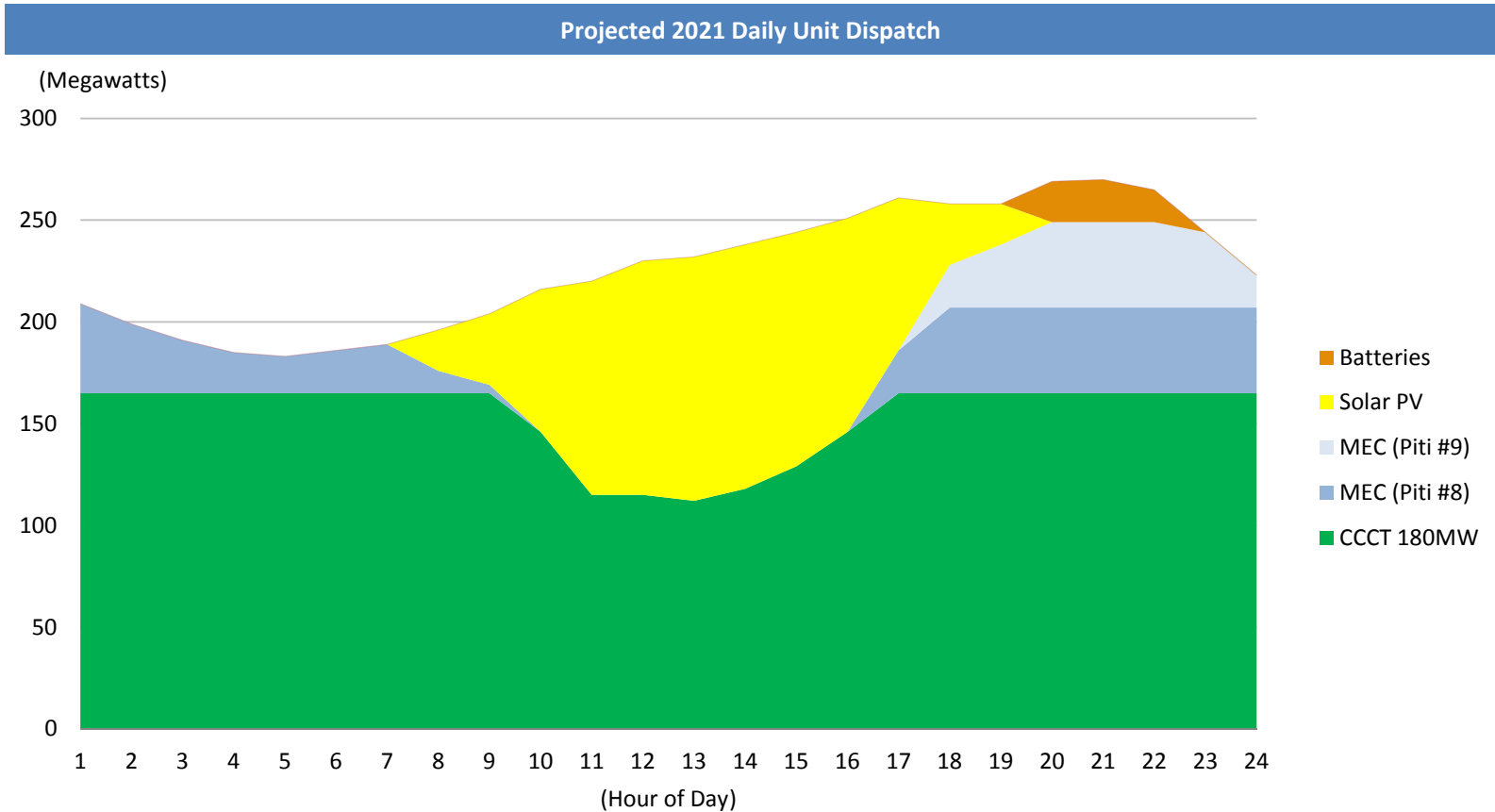
Renewable PPAs are included in LEAC. Low-cost renewables contracts below LEAC benefit all ratepayers & provide an excellent hedge against erratic fuel oil process. Latest PPAs are limited to 1% annual price escalations.



# Expected Future Power Supply

4

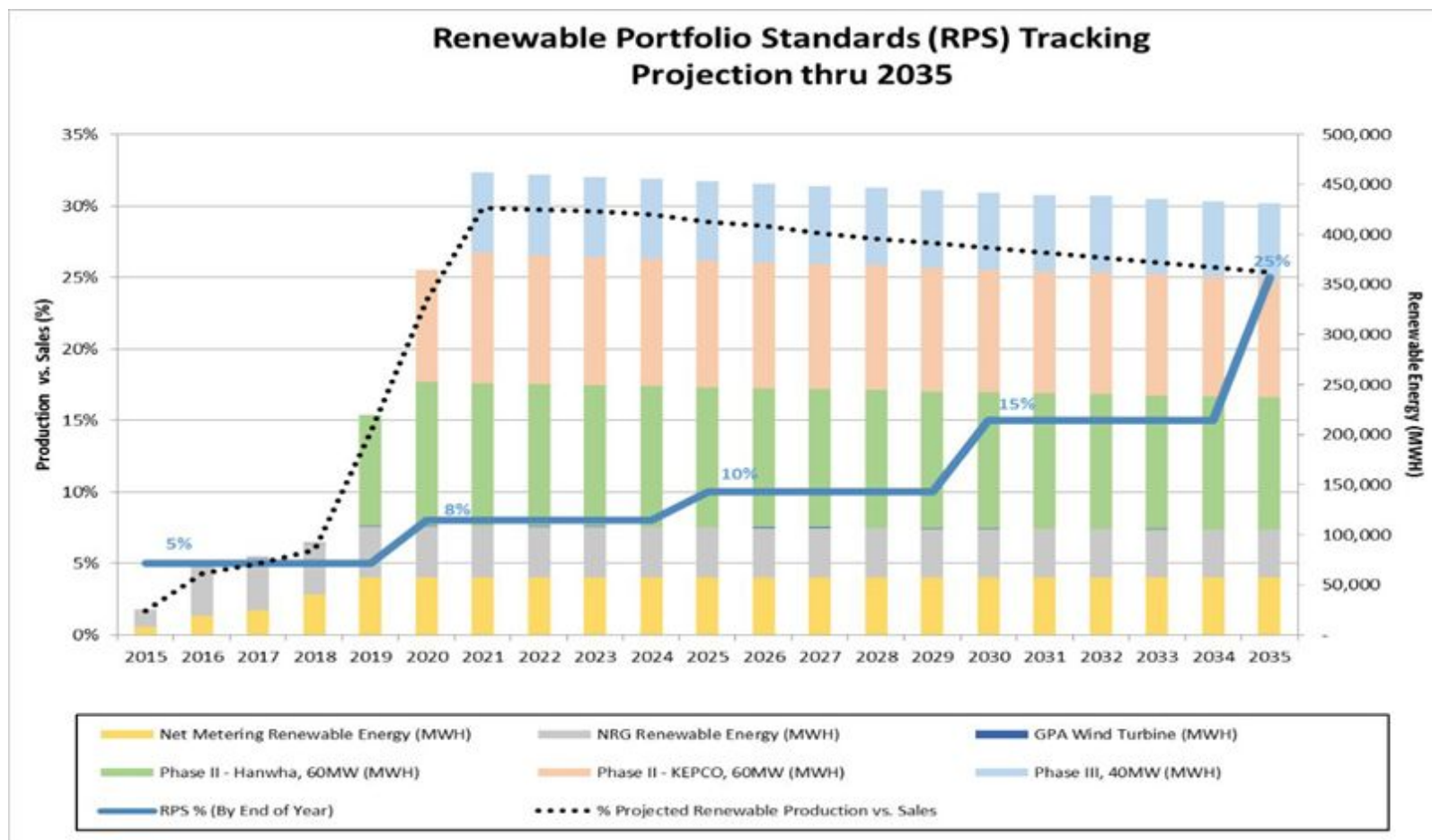
**New combined cycle units and expanded renewable portfolio will supply over 75% of GPA power supply. GPA is on track to achieve 25% of energy from renewables by 2021**



# Renewable Portfolio Standards

5

## Renewable Portfolio Standards (RPS) Achieved By 2021



# High Renewable Energy Penetration

- Can Be Defined as at Least 15% of Annual Electricity Generation From Renewable Energy
  - National Renewable Energy Laboratory (NREL)  
<http://www.nrel.gov/docs/fy14osti/61350.pdf>
- GPA
  - 26% by 2021
  - 50% by 2028





# Policy Tools

7

- Utility Scale Plus Storage
- Hawaii Analog Programs
  - Customer Self-Supply
  - Customer Grid-Supply Plus
- Solar Host Program
- Feed-In-Tariff (FIT)
  - With Storage (TOU credit)
  - Without Storage
- Demand Side Management
  - Transportation Electrification (Electric Vehicles - EV)



# Reasons

8

- Lower Customer Energy Costs
  - Lower and Stabilized LEAC
- Cleaner Energy
- Resilience
- “Oil to Jobs”

# Utility Scale Renewables

9

- GPA's Current Renewable Acquisition Policy and Strategy
- Ride the Technical Capability Curve Up and Cost Curve Down
- Must Lower and Stabilize LEAC
- GPA is Preparing a Phase IV Bid Similar to Phase III
  - Renewable Energy + Energy-Shifting Storage
  - Requires CCU and PUC approval
  - Nominally 20+% of GPA Energy
  - Dispatchable Renewable Power Plant
  - Ceiling (\$/MWH) for Acceptable Bids



# Hawaii Bids Similar to Phase IV

10

Project name	Island	Developer	Size	Storage	Cost per KWh
Waikoloa Solar	Hawaii	AES	30 MW	120 MWh	\$0.08
Hale Kuawehi	Hawaii	Innergex	30 MW	120 MWh	\$0.09
Kuihelani Solar	Maui	AES	60 MW	240 MWh	\$0.08
Paeahu Solar	Maui	Innergex	15 MW	60 MWh	\$0.12
Hoohana	Oahu	174 Power Global	52 MW	208 MWh	\$0.10
Mililani I Solar	Oahu	Clearway	39 MW	156 MWh	\$0.09
Waiawa Solar	Oahu	Clearway	36 MW	144 MWh	\$0.10

- Likely GPA Could Obtain Similar Priced Bids
- Acceptable Bid Ceiling Cost of 12 Cents/KWh
- 174 Power Global is Affiliated with Hanwha

# Wind Turbine Generator (WTG)

11

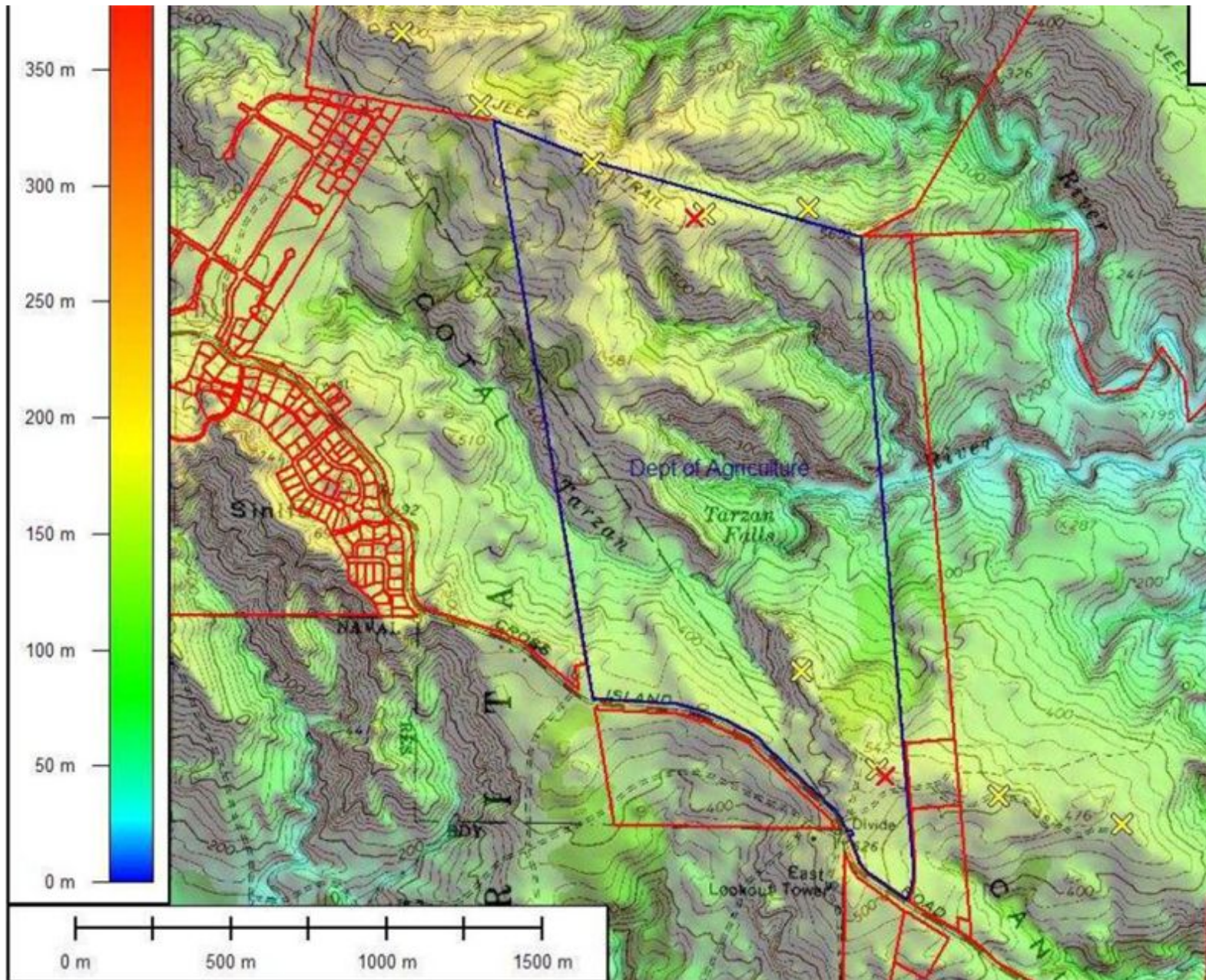
- Several Sites on DP&R/DoAg Cotal Property viable for siting additional Vergnet Wind Turbines
- Estimate of \$3.2 MM for Turnkey project for 4 additional WTG from Vergnet @ approximately 9 cents/kWh
- Potential Grant Funding via the Office of Insular Affairs (OIA) - Energizing Insular Communities (EIC) Grant





# Wind Turbine Generator (WTG)

12



- Yellow Xs-  
Mark the  
Spot
- Blue  
Boundary-  
DP&R/DoAg  
Cotal Area



# Technology Watch

13

- GPA Phase I & II Bids Open to All Renewables
  - Wind Power, Geothermal, Solar PV Proposals
- Tidal or Current Power
  - GPA Performed Outreach
  - Guam's Location Closer to the Equator Means Tidal Height Differences are Smaller
- Sea Water Air Conditioning (SWAC)
  - 2005 Feasibility
- New Solar Cell Technologies
- Waste-To-Energy



# Hawaii Analog Programs

14

- Hawaii Ended Net Metering and Replaced NEM With:
  - Customer Self-Supply
    - No Compensation for Grid Export
    - Minimum Utility Bill
  - Customer Grid-Supply Plus
    - Grandfathered for Five Years From 2017
    - Closed to New Applicants
  - Customer Grid-Supply Plus
    - Controllable by Utility
  - “Smart Export” Program
    - PV Plus Storage
  - NEM System Meeting Certain Technical Criteria May Expand Their Systems for “Non-Export”
- GPA May Wish to Explore and Design Similar Programs





# CPS Energy Solar Host Program

15

- <https://www.solarhostsa.com/#faq>
- Roof Owner Rents out Roof-Top to CPS Energy Solar PV Contractor
  - Rent: 3 cents/kWh for Each kWh PV System Produces
  - Contractor
    - Selects Suitable Roof-Tops and Secures Lease
    - Responsible for Upfront Costs and O&M
    - Sells Electricity to CPS Energy
  - 20-Year Contract Term



# Solar Host Program

16

- The Guam PUC Approved GPA's Solar Hosting Under GPA Docket No. 14-10 Order Re: GCC SOLAR PV IFB (August 28, 2014)
  - For GCC and Other Entities
  - 3 MW of Solar Capacity
  - Multistep Bid Concluded but Contractor Backed Out
  - Better Solar Economics Today
- Several Warehouse Owners Applying to Divide Their Building Power Supply into Multiple Meters to Get Around 100 KW NEM Cap
  - 1+ MW potential on a Single Feeder Lateral
  - Potential Solar Host Market
- GPA Recommends Reviving its Efforts
  - Wider Participation Under Competitive Solicitation
  - Costs Must Lower LEAC



# Feed-In Tariffs (FITs)

17

- One of the Most Widely Adopted Renewable Energy Support Policies Around the World
- Designed to Increase Renewable Energy Technologies Deployment by Offering Long-Term Purchase Agreements for Electricity Generation at a Specified Price Per Kilowatt-Hour
  - Provide Market Certainty for Developers
- Traditionally, FITs Have Been Set as a Fixed Tariff
  - However, Policymakers Have Recently Been Moving Towards Designing FITs as a Premium in Addition to the Current Market Rate for Electricity, Known as Feed-In Premiums
  - Not Recommended
- Ultimately, Effectively Designed FITs Can Attract Private Investment to Support Renewable Energy Expansion and Local Economic Development (NREL 2014).



# GPA FIT Policy Recommendations

18

- Fund FITS using LEAC
  - FITs Have the Benefit of Reduced or Eliminated Volatility
  - FITs at Avoided Cost do not Support Reductions in Energy Cost
  - Set FITs to Lower and Stabilize LEAC
- FITs Must have Energy Storage
- Deploy in Phases
  - GPA Solicits for a Fixed Amount of Renewable Energy for a Fixed Term
  - GPA Awards FIT Contracts until its Subscription is Filled
  - Each New Round of FIT Acquisition will Lower the Amount Paid for Renewable Energy



# Considerations For A Renewable Policy

19

- Execute the Renewable Energy Integration Study Infrastructure Upgrade Recommendations
  - New Power Plant
  - 115KV Transmission Line Installation (Southern to Central Loop)
  - Synchronous Condensers
  - Power Protection Upgrades
- Increase the Renewable Portfolio Standard (RPS) from 25% in 2035 to 50%
- Review RPS Goals Every Five Years
- Continue Demand Side Management Programs
  - Energy Efficiency Increases Renewable Penetration Percentage
  - Support Electrification of Guam Transportation Using GPA's Renewable-Rich Energy Grid
  - Promote the Establishment and Implementation of a Transportation Electrification Goal
    - Electric School Buses
    - GovGuam Light Vehicle Fleet Conversion to Electric Vehicles
- Adopt a Renewable Policy expanding the RPS to 50%
  - Expand Beyond Utility Scale Renewable Strategy
  - Establish by End of FY 2019



**CUSTOMER SERVICE DIVISION – February 2019**

**Government Accounts Receivable:** CSD reports invoices for the month of January 2019, for 73 active government accounts with an overall total of \$7,119,483.02. 67 accounts were current (92%), 6 accounts arrears (8%). 5 fax/emails issued to government accounts totaling \$2,636,570.46. January 2019 invoices, 69 accounts paid in full.

**CREDIT AND COLLECTION**

**Delinquent Ratio:** As of February 2019, the authority reported a total 48,203 active customers. The “Delinquent Ratio” was recorded at 8.56% with 4,125 total delinquent accounts, total arrears of 2,055,205.77; 1,915,428.57; 4,070 (8.44% / 28-45 days) category; 99,014.226; 364(0.76% / 46-60 days); 9,149.93; 45(0.09% 61-90 days); and 31,613.01; 85 (0.18% / Over 90 days).

**Bankruptcy:** During Feb 2019 the Bankruptcy reports one (1) customer account filed, totaling \$425.84.

**Damage Claim:** The Damage claim committee received one (1) Damage claim at \$1,050.00 for the month of February 2019.

**ACTIVE DELINQUENT – NON-PAYMENT****COMMAND CENTER /DISCONNECTIONS/RECONNECTIONS**

**Single Phase Meters:** Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 979 customers; 690(70%) were disconnected; 271(28%) deferred; 18(2%) incompletes.

**3 Phase Meters:** Credit and Collection issued orders to Disconnect Reconnect crew to perform truck roll out disconnect/reconnect for a total of 27 customers; 16(59%) were disconnected; 11(41%) deferred; 0(0%) incompletes.


<b>FY 2019 (Feb 01-28,2019)</b>								
	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
Feb -19	1,006	706	282	988 98%	18	70%	28%	2%
Jan-19	1,250	886	313	1,199 96%	51	71%	25%	4%
1 <sup>st</sup>	8,855	2,720	6,013	8,733 99%	122	31%	68%	1%
TOTAL:	11,111	4,312	6,608	9,932 98%	191	36%	63%	1%
<b>FY 2018 (October 01, 2017 – September 30, 2018)</b>								
QTR	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
4 <sup>th</sup>	2,923	2,137	768	2,905 99%	18	73%	26%	1%
3 <sup>rd</sup>	4,824	2,635	2,167	4,802 100%	22	55%	45%	0%
2 <sup>nd</sup>	4,092	2,010	2,032	4,042 99%	50	49%	50%	1%
1 <sup>st</sup>	3,890	2,237	1,646	3,883 100%	7	58%	42%	0%
TOTAL:	15,729	9,019	6,613	15,632 99%	97	57%	42%	1%

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

Respectfully submitted,

  
Marissa Fernandez, Admin. Officer

Reviewed / Approved by:

  
Richard J. Bersamin, ACSM

Run Date: 3/7/2019  
Run Time: 12:39:42AM

**Guam Power Authority**  
**Delinquent Active Accounts Summary Report**  
As of - 03/07/2019

Report ID: DELRATIO  
Page 109 of 109

<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>&gt;90 Days</u>	<u>Total Arrears</u>	<u>Total Due</u>
Residential(ERES-R)	42,434	3,685	3,639	271	27	62	5,218,966.88	940,804.65	43,570.81	5,578.07	24,784.16	1,014,737.69	6,233,704.57
		8.68%	8.58%	0.64%	0.06%	0.15%							
Small Gen Non Demand(EGEN-G)	4,148	308	301	40	7	12	1,056,007.60	141,647.18	11,655.72	3,211.77	4,365.81	160,880.48	1,216,888.08
		7.43%	7.26%	0.96%	0.17%	0.29%							
Small Gen Demand(EGEND-J)	982	79	78	31	0	1	2,481,244.56	234,544.63	32,411.90	0.00	88.43	267,044.96	2,748,289.52
		8.04%	7.94%	3.16%	0.00%	0.10%							
Large General(ELPS-P)	119	12	12	5	0	0	5,563,423.00	596,321.93	10,816.81	0.00	0.00	607,138.74	6,170,561.74
		10.08%	10.08%	4.20%	0.00%	0.00%							
Private Streetlight(EPOL-H)	520	41	40	17	11	10	18,292.76	2,110.18	559.02	360.09	2,374.61	5,403.90	23,696.66
		7.88%	7.69%	3.27%	2.12%	1.92%							
<b><u>Sub-Total (Private)</u></b>	<b>48,203</b>	<b>4,125</b>	<b>4,070</b>	<b>364</b>	<b>45</b>	<b>85</b>	<b>14,337,934.80</b>	<b>1,915,428.57</b>	<b>99,014.26</b>	<b>9,149.93</b>	<b>31,613.01</b>	<b>2,055,205.77</b>	<b>16,393,140.57</b>
		<b>8.56%</b>	<b>8.44%</b>	<b>0.76%</b>	<b>0.09%</b>	<b>0.18%</b>							
Small Gov Non Demand(ESGS-S)	694	56	56	41	0	20	557,108.44	60,781.81	67,576.80	0.00	1,754.74	130,113.35	687,221.79
		8.07%	8.07%	5.91%	0.00%	2.88%							
Small Gov Demand(ESGSD-K)	338	93	93	77	0	71	3,518,356.04	461,814.76	591,771.53	0.00	20,557.89	1,074,144.18	4,592,500.22
		27.51%	27.51%	22.78%	0.00%	21.01%							
Large Government(ELGS-L)	42	24	24	22	0	18	2,913,555.34	692,248.39	844,265.87	0.00	19,874.86	1,556,389.12	4,469,944.46
		57.14%	57.14%	52.38%	0.00%	42.86%							
Gov Streetlight(ESTL-F)	629	6	6	4	0	0	488,584.20	340.27	217.61	0.00	0.00	557.88	489,142.08
		1%	0.95%	0.64%	0.00%	0.00%							
<b><u>Sub-Total (Government)</u></b>	<b>1,703</b>	<b>179</b>	<b>179</b>	<b>144</b>	<b>0</b>	<b>109</b>	<b>7,477,604.02</b>	<b>1,215,185.23</b>	<b>1,503,831.81</b>	<b>0.00</b>	<b>42,187.49</b>	<b>2,761,204.53</b>	<b>10,238,808.55</b>
		<b>10.51%</b>	<b>10.51%</b>	<b>8.46%</b>	<b>0.00%</b>	<b>6.40%</b>							
<b><u>GRAND TOTAL</u></b>	<b>49,906</b>	<b>4,304</b>	<b>4,249</b>	<b>508</b>	<b>45</b>	<b>194</b>	<b>21,815,538.82</b>	<b>3,130,613.80</b>	<b>1,602,846.07</b>	<b>9,149.93</b>	<b>73,800.50</b>	<b>4,816,410.30</b>	<b>26,631,949.12</b>
		<b>8.62%</b>	<b>8.51%</b>	<b>1.02%</b>	<b>0.09%</b>	<b>0.39%</b>							



# GPA Work Session - March 21, 2019 - DIVISION REPORTS

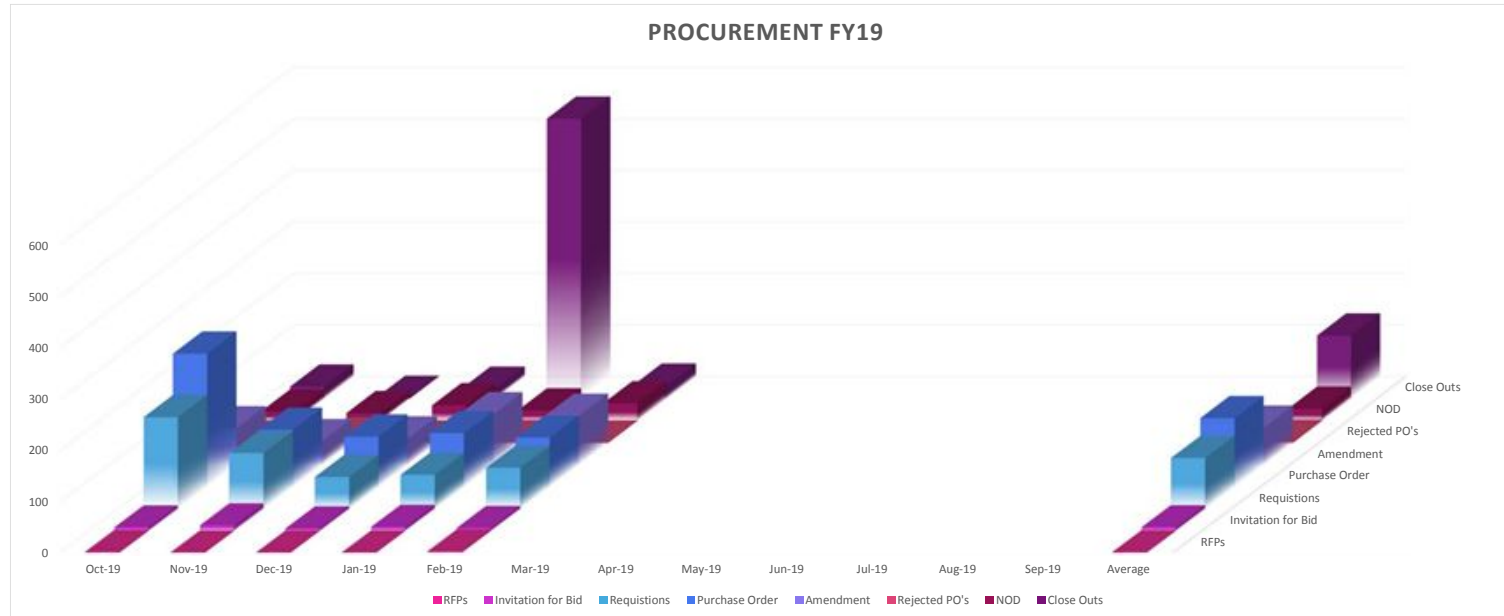
DATA: CSD PERSONNEL WORK ACTIVITIES  
COMPILED BY: Brandon(HSO)Jeannie(UTSO)Rita(FADIAN)

## MTD CONSOLIDATED REPORT

REPORTING MONTH: FEBRUARY 2019

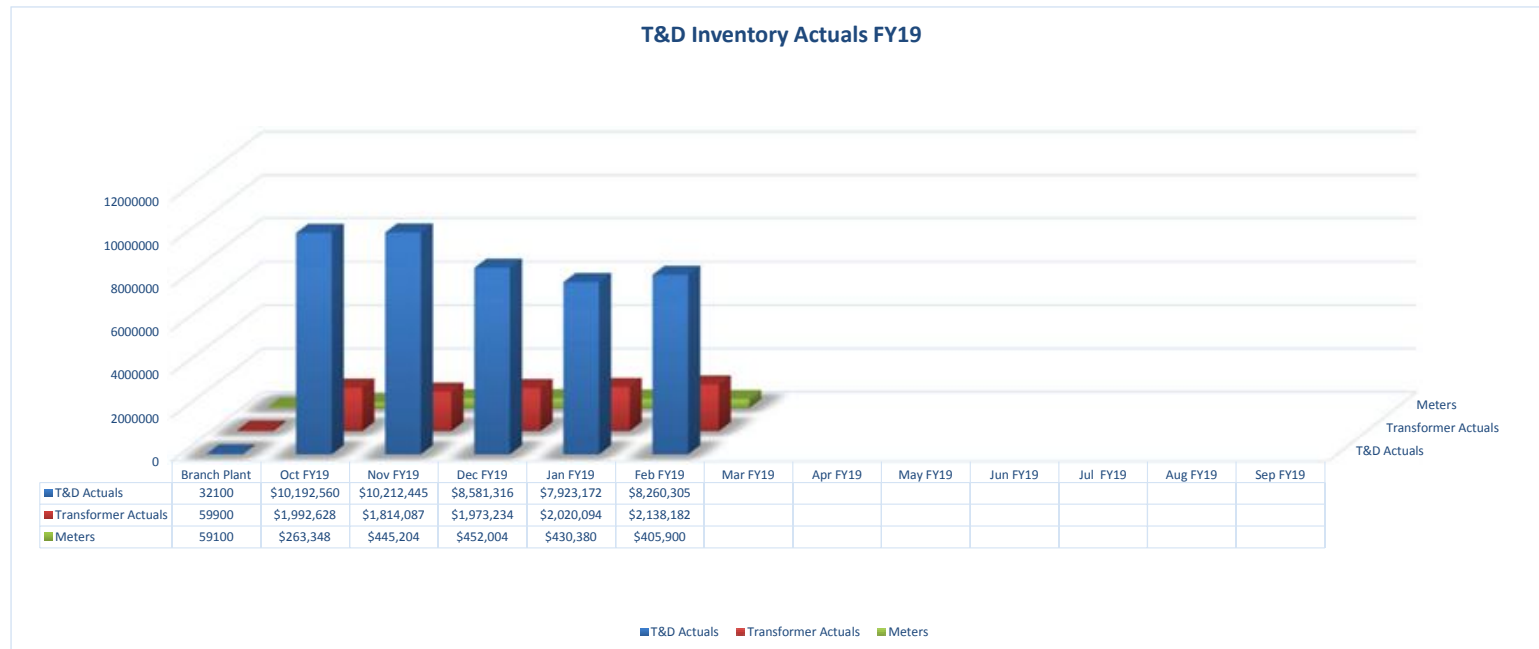
BUSINESS OFFICE/ SATELLITE EMPLOYEE MTD (CONSOLIDATED) REPORT	GLORIA B. NELSON	% MTD	HAGATNA	% MTD	UPPER TUNO	% MTD	MTD TOTAL
TRANSACTION (TYPE)							
<b>APPLICATION</b>							
NEW INSTALL-PERMANENT (NI1)	19	79%	0	0%	5	21%	24
NEW INSTALL- TEMP (NI2)	9	60%	2	13%	4	27%	15
NEW INSTALL - ST LIGHT (NI3)	1	50%	1	50%	0	0%	2
REC W/OUT METER (NI4)	1	13%	3	38%	4	50%	8
REC W/METER (NI5)	102	28%	136	37%	127	35%	365
NAME CHANGE (NC1)	72	24%	84	28%	141	47%	297
NAME CHANGE ST LIGHT (NC2)	0	0%	0	0%	1	100%	1
<b>TERMINATION</b>							
TERMINATION REGULAR (TE1)	77	22%	99	28%	175	50%	351
TERMINATION N/C (TE2)	0	0%		0%	1	100%	1
TERMINATION NON/PAYMENT (TE3)	0		0		0		0
TERMINATION TYPHOON (TE4)	0		0		0		0
TERMINATION REMOVAL (TE5)	0		0		0		0
TERM (TE6)	1	33%		0%	2	67%	3
<b>OTHER(S)</b>							
WORK CLEARANCE (WCE)	5	45%	3	27%	3	27%	11
WORK CLEARANCE (UG)	16	94%	0	0%	1	6%	17
WORK CLEARANCE (OH)	7	58%	1	8%	4	33%	12
INVESTIGATION (INV)	1	10%	7	70%	2	20%	10
METER C/O - CALIBRATION (MC1)	2	10%	6	30%	12	60%	20
METER UP/DOWN GRADE (MC3)	0		0		0		0
MISC PUBLIC SRVC (MPS)	13	43%	2	7%	15	50%	30
REFUND (RFD)	13	27%	20	42%	15	31%	48
RELOCATE METER (RM1)	4	100%	0	0%	0	0%	4
ST LIGHT REPAIR (ST1)	15	88%	2	12%	0	0%	17
OFFICIAL RECEIPT (OR)	54	23%	90	38%	96	40%	240
UPDATE SPECIAL CHARGE (USC)	0	0%	28	14%	172	86%	200
INSPECTION REPORT (IR)	13	48%	4	15%	10	37%	27
COPY OF BILL (COB)	417	25%	597	36%	648	39%	1662
BILL INQUIRY (BILL INQ)	366	21%	731	41%	677	38%	1774
BILL ADJUSTMENT (BILL ADJ)	1	6%	1	6%	16	89%	18
ADDRESS CHANGE (ADDR CHG)	14	11%	34	26%	84	64%	132
DEFERRED PAYMENT AGREEMENT (DPA)	3	100%	0	0%	0	0%	3
PREPAID	24	25%	21	22%	51	53%	96
REBATE	89	36%	66	27%	91	37%	246
ACH/EFT	0	0%	1	6%	15	94%	16
NO ANSWER	113	43%	36	14%	116	44%	265
INQUIRY TYPE VISIT	286	21%	900	65%	199	14%	1385
INQUIRY TYPE OTHER	111	30%	144	39%	118	32%	373
<b>ACTIVE DELINQUENTS</b>							
INQUIRY (INQ)	363	40%	285	31%	266	29%	914
PAYMENT (PYMT)	253	35%	318	44%	156	21%	727
DO NOT DISCONNECT (DND)	1	50%	0	0%	1	50%	2
EXTENSION (EXT)	151	32%	162	35%	155	33%	468
RECONNECT(REC)	103	43%	92	38%	44	18%	239
<b>INACTIVES</b>							
INQUIRY (INQ)	31	26%	23	19%	67	55%	121
PAYMENT (PYMT)	9	29%	13	42%	9	29%	31
TRANSFER BALANCE (TRF BAL)	7	21%	15	44%	12	35%	34
<b>TOTAL TRANSACTION(S)</b>	<b>2767</b>		<b>3927</b>		<b>3515</b>		<b>10209</b>
<b>INQUIRIES</b>							
VISIT (V)	1575	31%	1666	33%	1824	36%	5065
TELEPHONE (T)	95	31%	110	35%	106	34%	311
MAIL (M)	0	0%	80	47%	89	53%	169
FAX (F)	0		0		0		0
TRANSFER CALL (TRF CALL)	5	6%	30	38%	43	55%	78
OTHER (OTHER)	456	85%	50	9%	29	5%	535
<b>TOTAL INQUIRIES</b>	<b>2131</b>		<b>1936</b>		<b>2091</b>		<b>6158</b>
<b>SERVICE LEVEL</b>							
LESS THAN 10 MINUTES	1081	31%	1126	32%	1296	37%	3503
10-15 MINUTES	585	37%	480	30%	532	33%	1597
16-30 MINUTES	305	44%	200	29%	196	28%	701
> 30 MINUTES	160	45%	130	36%	67	19%	357
<b>TOTAL SERVICE LEVEL</b>	<b>2131</b>		<b>1936</b>		<b>2091</b>		<b>6158</b>

GPA Work Session - March 21, 2019 - DIVISION REPORTS

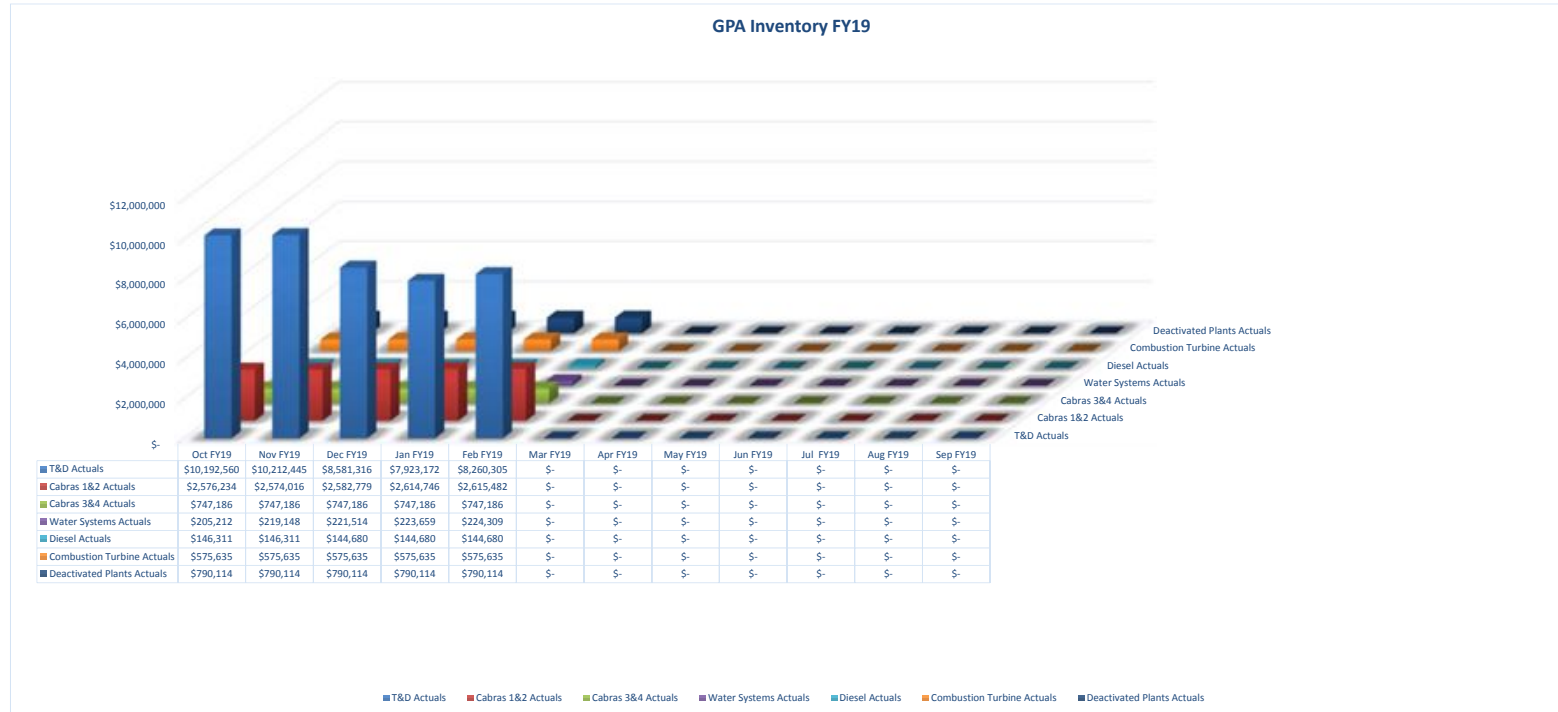


	Oct-19	Nov-19	Dec-19	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Average
RFPs	2	1	1	1	3								1.6
Invitation for Bid	7	11	5	8	6								7.4
Requisitions	180	110	63	67	81								100.2
Purchase Order	260	112	99	106	97								134.8
Amendment	72	47	52	99	96								73.2
Rejected PO's	1	6	1	2	1								2.2
NOD	18	15	30	20	34								23.4
Close Outs	23	1	19	543	25								122.2

GPA Work Session - March 21, 2019 - DIVISION REPORTS



GPA Work Session - March 21, 2019 - DIVISION REPORTS



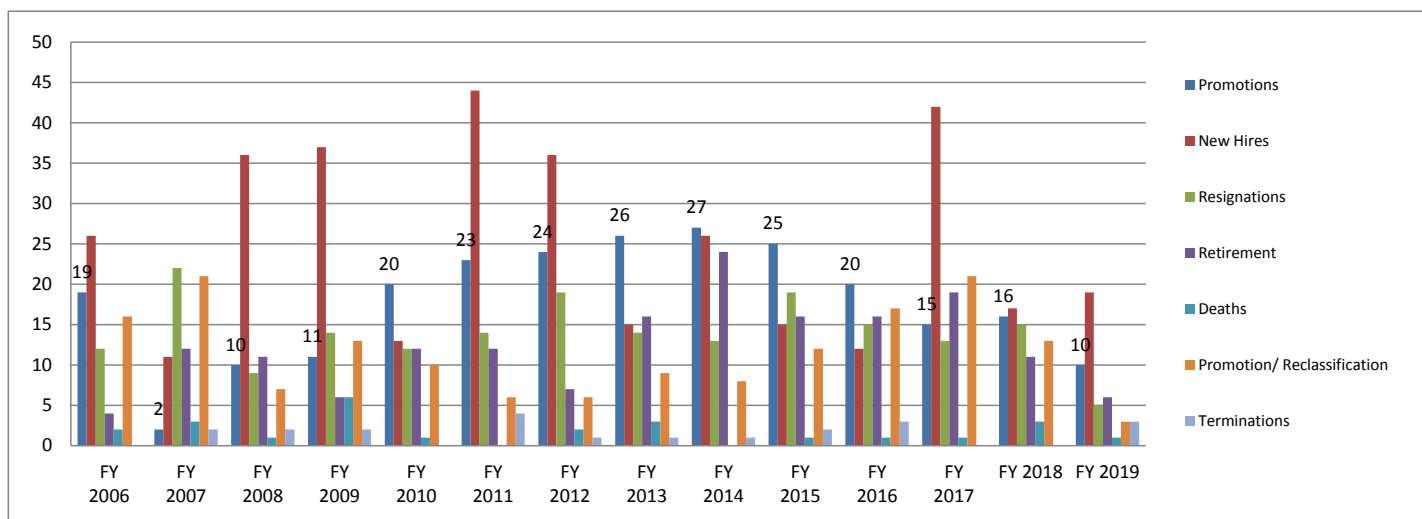
**RECRUITMENT ANALYSIS**

Fiscal Year	Promotions	New Hires	Resignations	Retirement	Deaths	Promotion/ Reclassification	Terminations	Total Author- ized FTE	Attrition Rate	Total Filled FTE at end of Fiscal Year	Percentage of Filled FTE at end of Fiscal Year
2006	19	26	12	4	2	16	0	584	3.3%	536	91.8%
2007	2	11	22	12	3	21	2	584	7.2%	510	87.3%
2008	10	36	9	11	1	7	2	592	4.5%	525	88.7%
2009	11	37	14	6	6	13	2	592	5.3%	534	90.2%
2010	20	13	12	12	1	10	0	592	4.7%	522	88.2%
2011	23	44	14	12	0	6	4	592	5.7%	536	90.5%
2012	24	36	19	7	2	6	1	568	5.4%	543	95.6%
2013	26	15	14	16	3	9	1	568	6.3%	524	92.3%
2014	27	26	13	24	0	8	1	568	7.3%	512	90.1%
2015	25	15	19	16	1	12	2	539	7.4%	489	90.7%
2016	20	12	15	16	1	17	3	510	7.2%	466	91.4%
2017	15	42	13	19	1	21	0	510	7.1%	476	93.3%
2018	16	17	15	11	3	13	0	510	6.1%	464	91.0%
2019	10	19	5	6	1	3	3	500	3.2%	467	93.4%

Recruitment Analysis (FY 2019) ..1 of 2

as of 02/28/19

GPA Work Session - March 21, 2019 - DIVISION REPORTS



	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Promotions	19	2	10	11	20	23	24	26	27	25	20	15	16	10
New Hires	26	11	36	37	13	44	36	15	26	15	12	42	17	19
Resignations	12	22	9	14	12	14	19	14	13	19	15	13	15	5
Retirement	4	12	11	6	12	12	7	16	24	16	16	19	11	6
Deaths	2	3	1	6	1	0	2	3	0	1	1	1	3	1
Promotion/Reclassification	16	21	7	13	10	6	6	9	8	12	17	21	13	3
Terminations	0	2	2	2	0	4	1	1	1	2	3	0	0	3

TOTAL NO. OF EMPLOYEES	536	510	525	534	522	536	543	524	512	489	466	476	464	467
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Recruitment Analysis (FY 2019) .. 2 of 2

as of 02/28/19

**GUAM POWER AUTHORITY  
HUMAN RESOURCES DIVISION  
STAFFING REPORT (FY 2019)  
AS OF FEBRUARY 28, 2019**

<b>DIVISION</b>	<b>B1 ACTIVE EMP</b>	<b>B2 LAST EMP</b>	<b>C PROMOTE /TRANS</b>	<b>D PROM. RECLASS</b>	<b>E NEW HIRES</b>	<b>F RESIGN/ TERM</b>	<b>G RETIRE</b>	<b>H CURR VAC</b>	<b>I LAST VAC</b>	<b>(B1+H=K) TOTAL STAFFING</b>
INTERNAL AUDIT/REVENUE PROTECTION	3	3	0	0	0	0	0	0	0	3
BOARD(10200)	2	2	0	0	0	0	0	0	0	2
GENERAL MANAGER (CUS) [10100]	0	0	0	0	0	0	0	0	0	0
GENERAL MANAGER (20500)	4	4	0	0	0	0	0	0	0	4
PUBLIC INFORMATION OFFICE	2	2	0	0	0	0	0	0	0	2
ASSIST GM-ENG/TECH SVCS (30500)	1	1	0	0	0	0	0	0	0	1
ASSISTANT GENERAL MGR (30800)	2	2	0	0	0	0	0	0	0	2
ASSISTANT GENERAL MGR (AGMO) 50900	2	2	0	0	0	0	0	0	0	2
STRAT PLANN & OPTNS RESEARCH DIV	9	9	0	0	0	0	0	2	2	11
FACILITIES	9	9	0	0	0	0	0	0	0	9
HUMAN RESOURCES	8	8	0	0	0	0	0	2	2	10
CUSTOMER SERVICES	32	32	0	0	0	0	0	0	0	32
INFORMATION TECHNOLOGY	16	16	0	0	0	0	0	1	1	17
FINANCE	40	39	1	0	1	0	0	4	5	44
PROCUREMENT	20	21	0	0	0	1	0	2	1	22
TRANSPORTATION	11	11	0	0	0	0	0	0	0	11
SAFETY	6	6	0	0	0	0	0	1	1	7
PLANNING & REG	8	8	0	0	0	0	0	0	0	8
ENGINEERING	38	38	0	0	0	0	0	1	1	39
GENERATION	126	126	0	0	0	0	0	6	6	132
TRANSMISSION/DISTRIBUTION	104	104	2	0	0	0	0	11	11	115
POWER SYSTEM CONTROL CENTER	24	24	0	0	0	0	0	3	3	27
	467	467	3	0	1	1	0	33	33	500
JOBS/SCSEP/GETP PARTICIPANTS	0	0								0
WORK EXPERIENCE PROGRAM	3	3								3
APPRENTICESHIP PROGRAM	20	20								20
SUMMER ENGINEERING INTERNS	0	0								0
TEMPORARY (P.L. 34-116)	4	4								4
GRAND TOTAL WORKFORCE:	494	494	3	0	1	1	0	33	33	527

FTE Count per FY19 FMP: 500

Current vacancies adjusted to reflect FTE of 500

\*\* JOBS = Job Opportunities and Basic Skills (individuals under the Public Health assistance program)

\*\* GETP = Guam Employment & Training Program (individuals under the Public Health assistance program)

\*\* SCSEP = Senior Community Service Employment Program

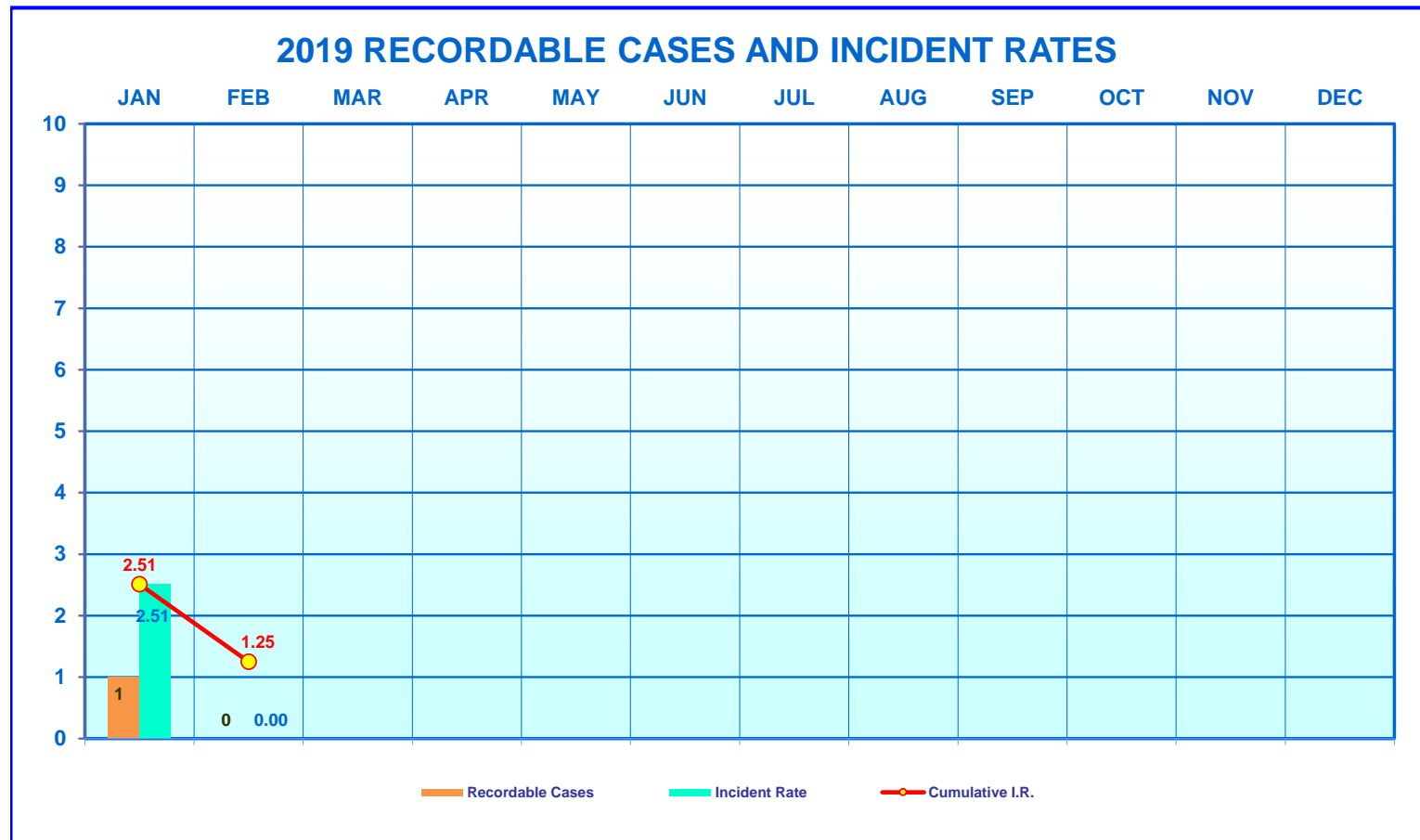
\*\* APPRENTICESHIP TRAINING PROGRAM - Transmission & Distribution combined total

\*\* JOBS/SCSEP/GETP and Apprentice program participants are not included in the total annual budgeted FTE (Full-Time Employee) count.

\*\* P.L. 34-116

Staffing Report as of February 28, 2019 - PREPARED BY: C. Aguilar

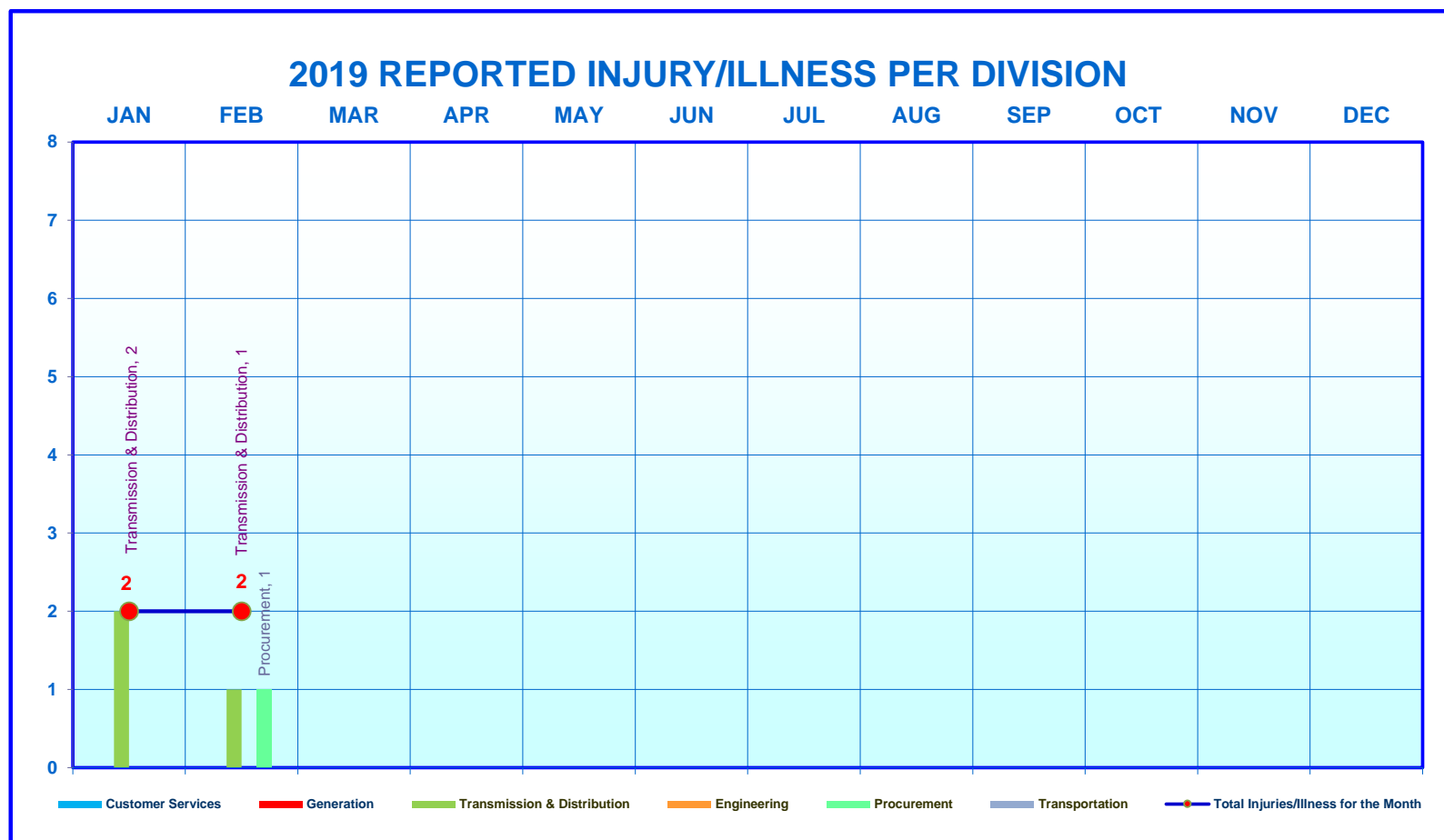
## SAFETY DIVISION MONTHLY REPORT



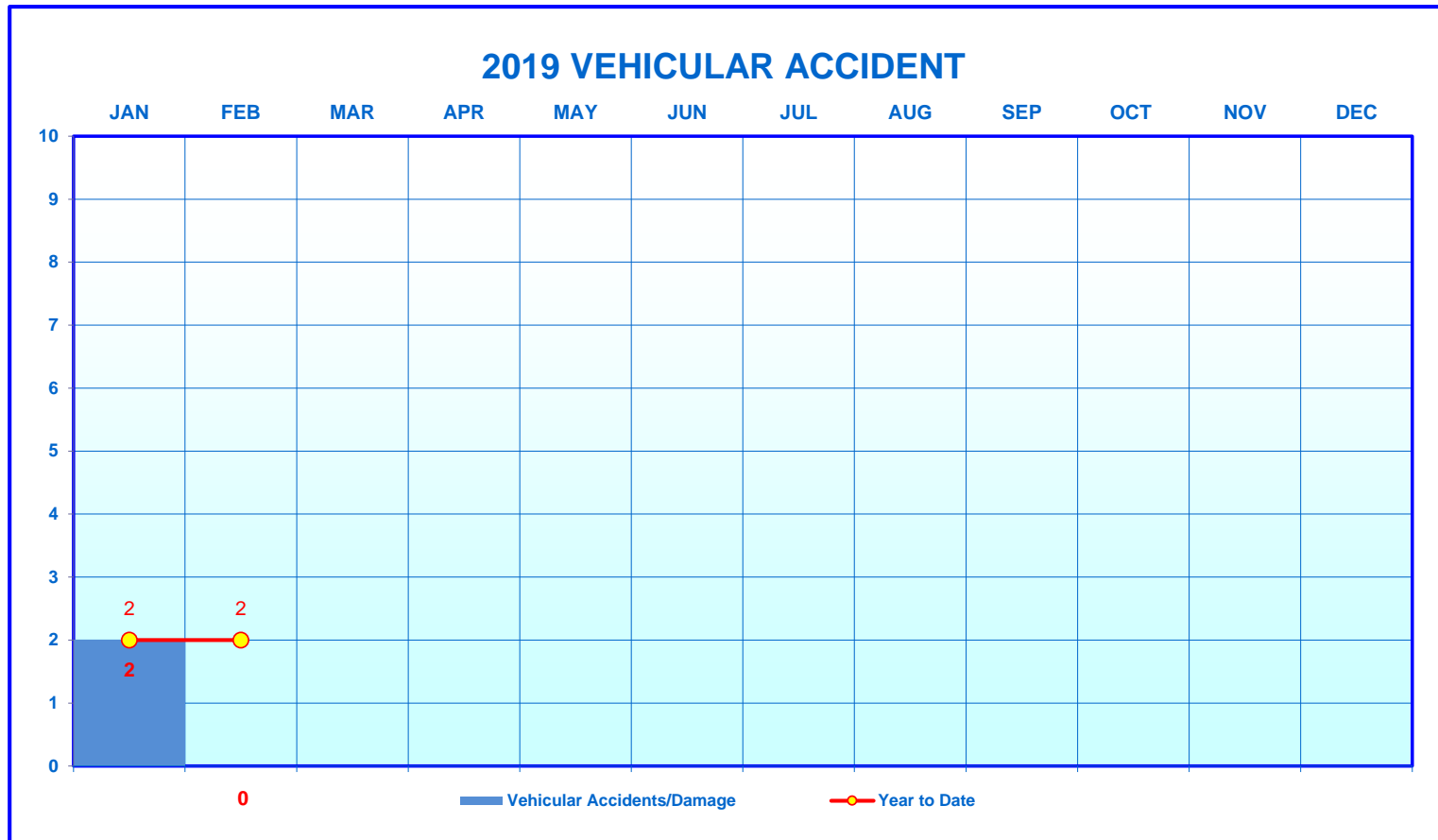
**Total Case Incident Rates = (# recordable cases x 200,000 hours) / # total annual work hours**

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





## SAFETY DIVISION MONTHLY REPORT



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Vehicular Accidents/Damage	2	0										
Year to Date	2	2										
Accidents attributed to Employee fault	1	0										

## **PLANNING & REGULATORY DIVISION REPORT**

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

### **INSPECTIONS/MONITORING**

- Best Management Practices (BMP) Weekly Inspection/Report – Cabras Power Plant
- Monthly Spill Prevention, Control and Countermeasures (SPCC) Inspection/Report – Cabras Power Plant, Macheche, Dededo, Yigo CT, 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
- Inspected and trouble shoot RICE MACT monitoring equipment at Tenjo, Talofoto and MDI
- Emissions and Limits Tracking for GPA and Aggreko Power Plants
  - Monitoring CO and NOx emissions of the Aggreko generators not to exceed the allowable limit.
  - GPA Plants Limits based on Hours and/or Fuel Use
  - Had meeting with AGMA (as per John B) PSCC and Generation. PSCC would prefer knowing the incoming months remaining balances in terms of KWH. Revising future reports to accommodate PSCC needs
- Took filter sand samples for PCB analysis
- Conducted tank integrity testing for Piti 7 Day tanks 1 & 2

### **EMISSION TESTING**

- Review Emissions test plans for Tenjo, MDI and Talofoto diesel plants and submitted to Guam EPA.
- Coordination with TRC and generation for the upcoming emission tests

### **ENERGY RECOVERY**

- Took confirmatory oil sample from PH 3 transformer for PCB analysis in Dededo Sub warehouse
- Took oil samples from drums stored at Dededo Sub warehouse (Oil source from Barrigada substation transformer LTC tank)
- Conducted used oil disposal at Dededo Sub tank 2

### **PROCUREMENT**

- GPA IFB-118-18 Re-processed Used Oil
  - Responded to questions from bidders. (IE emission)
  - Attended meetings with SPORD and GM. Also had discussions with Guam EPA

### **REPORTING**

- New Source Performance Standards (NSPS) Monthly Report– Submitted reports to GEPA for Dededo CT, Macheche CT, Yigo CT, Talofoto, Manenggon and Tenjo Diesel Plants.
- Prepared and submitted Annual TIER II report to Guam EPA, Dept. of Homeland Security & Guam Fire Dept.

- Reviewed IP&E Tier II Report for Piti Fuel Farm
- Submitted Annual Emissions Inventory/Fees/Calculations to Guam EPA

**STATE IMPLEMENTATION PLAN (SIP)**

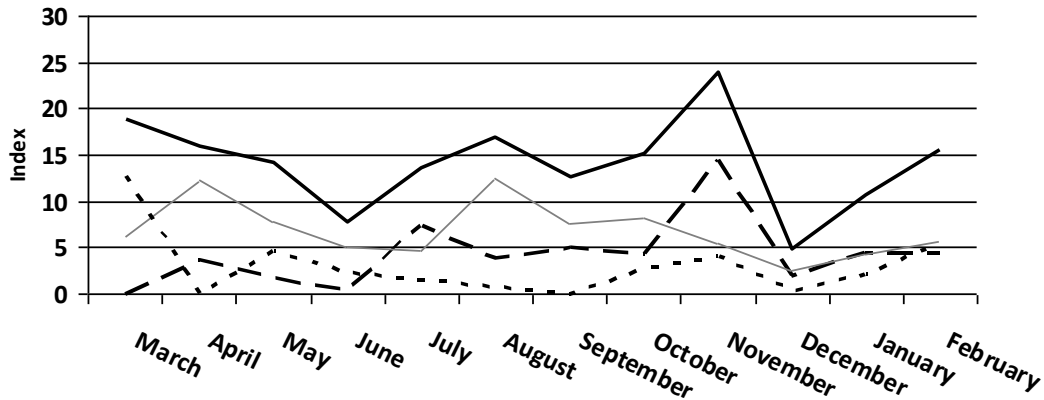
- Submitted comments to TRC.
- US EPA/GEPA still pending. Plan to submit draft to them to let them comment on the Draft.

**OTHERS**

- Met with Ron Okada, Francis Cruz, John Camacho and Allan Pisaro to discuss SPCC issues.
- Met with Trevor (TEMES) and Jeam Diaz to discuss emission testing for CT plants.
- Senator Taitague Bill No. 25-35
  - Amendment to 10 GCA Ch 49 Section 49119 Ultra-Low Sulfur Diesel Fuel Standards
  - Attended meeting between Senator and Guam EPA at Guam EPA Office. Submitted support documents to GEPA
  - Attended meeting between Senator and AGMETS
- Inspected GPA Facilities Post Typhoon Wutip
- Assisted PUC Commissioner Cantoria with her presentation for the 2019 Energy, Utility & Energy Conference. Finalized presentation.
- Leak Detection at Piti Fuel Farm
  - JANUARY: TMI technician was on island and tried to get the Data Logger back on line. We were partially successful in getting communication back for a few hours. In the end, however we lost communication.
  - FEBRUARY: Un-installed Data Logger and sent to TMI for repair/reprogramming. Arrived at TMI on the 28th
- Attended Assembly of Planners Symposium
- Panel interviewer for Management Analyst



(Item 1.1,1.2,1.5) February 2019 SAIDI = 170.68 ↓ (174.33)



ALL

GEN=36.75

(38.33)

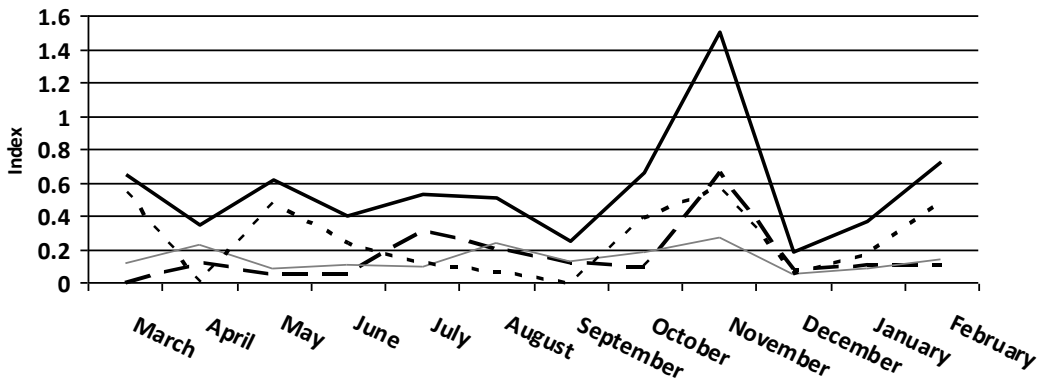
TRANS=51.85

(53.07)

DIST=82.09

(82.93)

(Item 1.1,1.2,1.5) February 2019 SAIFI = 6.73 ↓ (6.91)



ALL

GEN=3.10

(3.22)

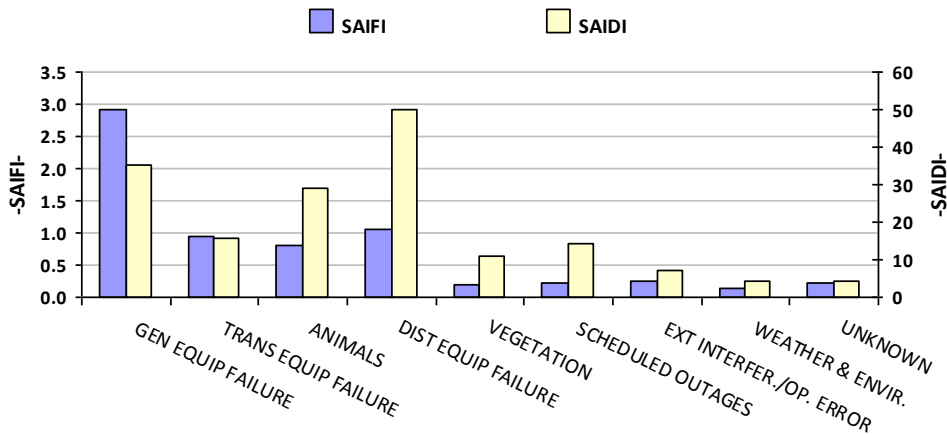
TRANS=1.91

(1.97)

DIST=1.72

(1.72)

(Item 1.9) 12-Month Cause Contributions to Reliability



GEN EQUIP FAILURE

F:41.0% D:20.7%

TRANS EQUIP FAILURE

F:13.5% D:9.1%

ANIMALS

F:12.3% D:17.0%

DIST EQUIP FAILURE

F:14.5% D:29.3%

VEGETATION

F:2.4% D:6.4%

SCHEDULED OUTAGES

F:7.1% D:8.3%

EXT INTERFER./OP. ERROR

F:3.6% D:4.1%

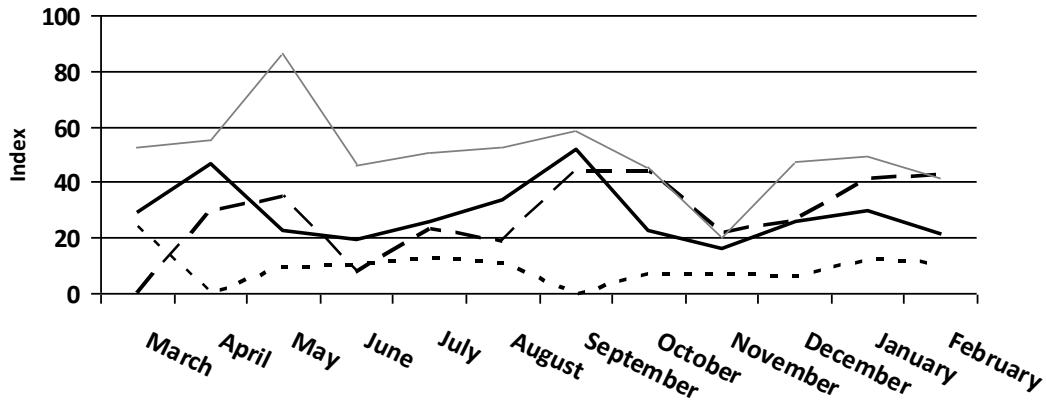
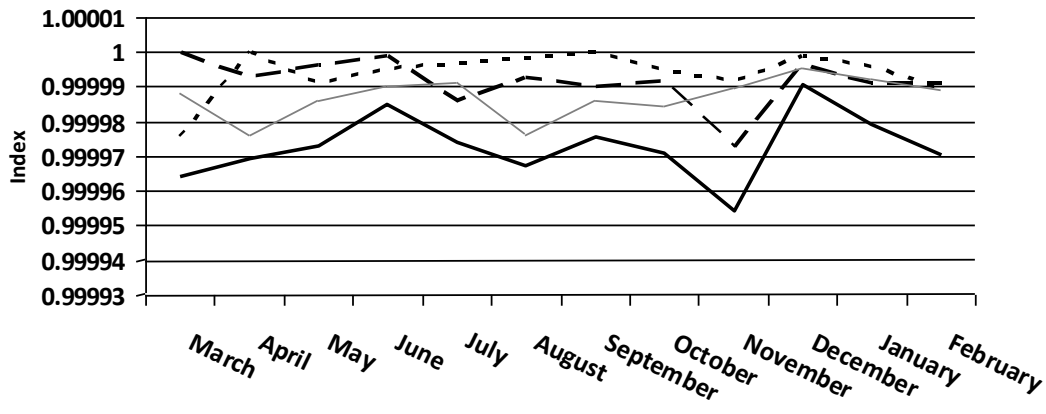
WEATHER & ENVIR.

F:2.6% D:2.5%

UNKNOWN

F:2.8% D:2.6%

As of February 28, 2019

**(Item 1.1,1.2,1.5) February 2019 CAIDI = 25.38 ↑ (25.24)****(Item 1.1,1.2,1.5) February 2019 ASAI = 0.9997 UNC\* (0.9997)****(Item 1.4) Top 5 Worst Feeders Distribution Causes**

#	Feeder	Outage Count
1	P261	12
2	P262	11
3	P046	11
4	P340	10
5	P341	9

**(Item 1.3) Outage Count**

TOTAL	UFLS	Non-UFLS
729	289	440

**(Item 1.4) Top 5 Distribution Outage Causes**

#	Outage Cause	Count
1	Wind	112
2	Overhead Equipment	57
3	Substation Equipment	19
4	Underground Equipment	11
5	Vegetation	10

**(Item 1.3) UFLS Contribution to Reliability**

SAIDI	SAIFI	CAIDI
45.05	3.89	11.59

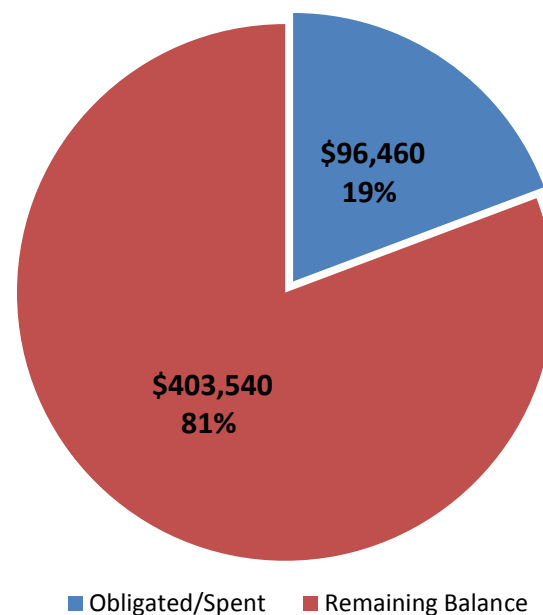
# ENG Budget Execution Performance

February 28, 2019

# ENG O&M Contract Budget

- Revenue Funded
- Target
  - 25% CIP Obligated by April 30, 2019
  - 75% CIP Obligation by August 30, 2019
  - 100% CIP Spend by September 30, 2019

**ENG O&M Contract Budget**

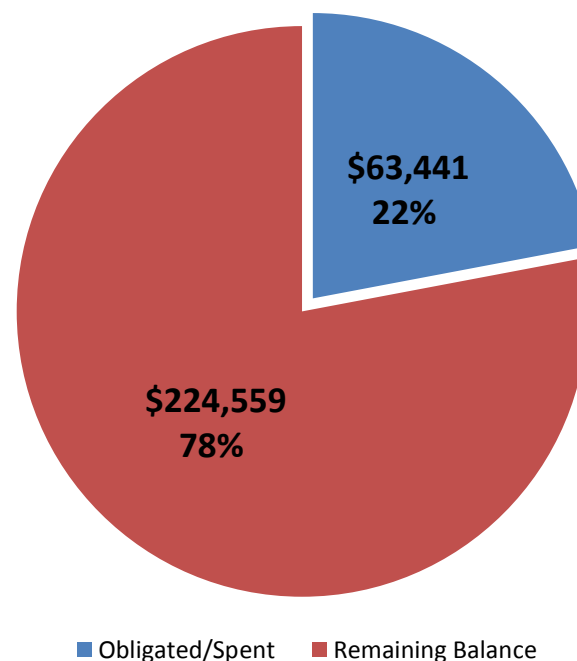




# ENG Revenue CIP Budget

- Revenue Funded
- Target
  - 50% CIP Obligation by June 1, 2019
  - 100% CIP Spend by September 30, 2019

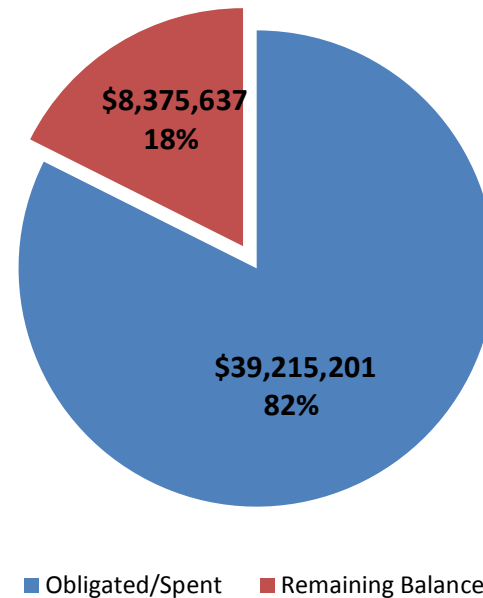
**ENG Revenue CIP Budget**



# ENG 2010 Bond Series CIP Budget

- Bond Funded
- Target
  - Pending

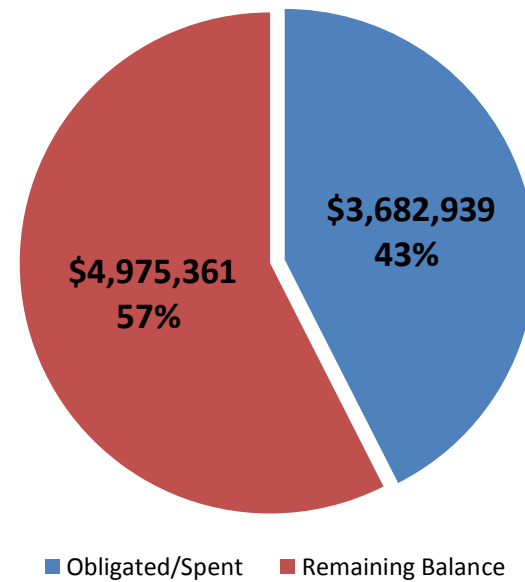
**ENG 2010 Bond CIP Project Burn**



# ENG 2014 Bond Series CIP Budget

- Bond Funded
- Target
  - Pending

**ENG 2014 Bond CIP Project Burn**



GPA Work Session - March 21, 2019 - DIVISION REPORTS

ENGINEERING WORK ORDERS

Engineering Work Order Summary - February 2019	
Work Orders Received from CSR	73
Work Orders Processed & Released to T&D	113
Work Orders Processed & Released to CSR	12
Work Orders Cancelled	17
Work Orders Pending Survey	24
Total Pending WO at Engineering	653

Engineering Large Customer and Net Metering Tracking						
Date Received	Customer Name	Work Worder Numbers	Location	KVA	Meter Qty	Status
12/20/2013	CoreTech International	Multiple	Dededo	300	64	Lada Estates, 450 kVA, Phase I and II are 100% Completed - 242 units energized. Phase III, 66 Units, 8 completed, 58 Pending, 97% Completed, 300 kVA. Phase IV currently in design phase by EMCE.
1/27/2015	TG Engineers	422182-85, 90-93, 96-98	Agana Heights	100	11	10 Unit Apartment, 100 kVA, 80% Completed. Work currently on hold.
5/13/2015	CoreTech International Towers, Tower 101, 102, 103, and 104	426021	Tamuning	3300	45	New condominiums, 2-1500kVA and 1 300 kVA, Tower 101 and 102 100% Completed, Tower 103 and 104 are 50% completed. Temporary power pending for Community Center, 100% Completed. First 52 Service Orders for Tower 101 is 100% completed. 44 Service Orders released to T&D for Tower 102. Work on Tower 103 and 104 ongoing.
6/1/2017	New Underground Line (P-047)	466064	Tumon	1500	1	New Underground line 50% completed.
8/7/2017	Matsumoto, Akiyoshi	452146-49, 51, 4, 6	Tumon	60	7	New 6 Unit Apartment with Common Meter. 70% Completed.
02/13/18	TNN Guam (Staff Housing)	457427-9, 32	Tumon	500	1	50 Unit Staff Housing, 100% Completed Released to T&D
3/1/2018	Docomo Pacific Inc., New Data Center	Pending Application	Talofofo	3000	1	New Data Center. Planned to come off P-260 and P-262. 0% Completed. Still in Design Phase.
04/01/18	HG Northeast Inc	459085	Mangilao	100	14	New 14 Unit Subdivision, 15% Completed, 100 kVA, Pending Applications
4/30/2018	Rex International	459698	Sinajana	225	1	New Central Police Precinct, 85% Completed, 225 kVA
2/28/2018	Black Construction (Route 3 Road Improvements)	458020	Dededo			Route 3 Road Improvements. Involves the relocation of upto 54 ea. 45' concrete poles. 95% Completed.
05/12/18	Bestry Corporation	450085	Hagatna	500	8	Hamilton Hotel Renovation and Rehabilitation, 8 Meters, 100% Completed, 500 kVA. Pending Completion of punchlist items.
06/06/18	Goodwind Development Corporation	461159	Dededo	225	1	New JolliBee Restaurant, 95% Completed, 225 kVA
06/14/18	Guam Waterworks Authority	461363	Umatac-Merizo	300	1	New Umatac-Merizo Wastewater Treatment, 10% Completed, 300 kVA
12/13/18	Simpson, Henry M	466907, 8, 466658	Santa Rita			New Subdivision. Design Ongoing. Demand load pending completion of subdivision design.
02/01/19	Ironwood Villa Del Mar, LLC	Multiple	Mongmong/Toto	350	50	New 50 Unit Apartments, 25% completed, multiple buildings with multiple transformers.
10/01/18	Ada's Trust & Investments	464891	Hagatna	300	1	New Commercial Building. 100% completed. Released to T&D.
10/10/18	Don Sadwahni	465341	Harmon	2000	1	New Industrial Subdivision, Inspection of civil work only, 65% Completed.
11/19/18	TNN Guam Primary Meter	466064	Tumon	1800	1	Permanent primary meter for Tsubaki Hotel and Nikko Hotel (1800 + 3000kVA Nikko), 79.3% Completed.
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		19	Pending Net Metering Customers as of October 31, 2018.
<b>Total</b>				<b>14560</b>	<b>227</b>	

**Infrared Inspection Worksheet**

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

Top 10 Worst Circuits  
Underground Circuits

**Infrared Inspection Worksheet**

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

Top 10 Worst Circuits

## NET METERING

February 2019

	<u>Quantity</u>	<u>Connected kVA</u>
Completed	1,877	20,441
Pending	19	241
Grand Total	1,896	20,682

Rate Class and Technology			
Technology	Schedule	Customer Count	Total kW
Solar Energy	R - Residential	1,776	16,450.54
	J - Gen Service Dmc	34	1,823.91
	K - Small Gov Dmd	9	317.80
	L - Large Governmei	2	122.80
	P - Large Power	4	340.70
	G - Gen Serv Non-D	43	1,302.96
	S - Sm Gov Non-Dm	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		1,877	20,441.10

Projection Date Ending 12/31/2019				
Customer Rate Class	Sum of Size (kW)	Annual Projected kWh Generated	Non-Fuel Yield \$/kWh	Estimated Annual Revenue Loss
R	16,454.14	27,179,601	0.087492	\$ 2,377,998.41
J	1,823.91	3,003,796	0.125682	\$ 377,523.23
K	317.80	523,052	0.133883	\$ 70,027.73
L	122.80	205,378	0.129809	\$ 26,659.90
P	340.70	559,102	0.109950	\$ 61,473.28
G	1,302.96	2,172,411	0.145397	\$ 315,862.08
S	78.80	126,250	0.147902	\$ 18,672.63
Grand Total	20,441.10	33,769,589	0.087492	\$ 3,248,217.25

## Estimated Annual Revenue Loss (prior to 2019 model changes)

Description	Estimated kWh	*Total Estimated Cost
FY18	34,981,036	\$ 3,521,130.12
FY17	28,242,917	\$ 2,828,834.71
FY16	21,867,383	\$ 2,200,794.56
FY15	7,383,621	\$ 856,921.27
FY14	3,137,212	\$ 410,558.94
FY13	1,556,949	\$ 178,996.00
FY12	494,672	\$ 58,545.89
FY11	170,070	\$ 18,177.13
FY10	98,830	\$ 8,483.27
FY09	23,912	\$ 1,656.87

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

**NET METERING**  
February 2019

<b>Customer Count and Connected kW by Feeder</b>					
<b>Status</b>	<b>Feeder</b>	<b>Net Metering Connected kW</b>	<b>Customer Count</b>	<b>% of Feeder Maximum kW</b>	<b>% of Feeder Minimum Daytime kW</b>
<b>Completed</b>	P-005	263.73	25	15.3%	30.7%
	P-046	257.06	31	6.1%	9.3%
	P-088	661.12	72	11.0%	17.4%
	P-089	568.74	71	12.7%	30.6%
	P-111	90.00	2	1.7%	2.9%
	P-203	452.98	36	6.0%	17.2%
	P-204	135.63	16	2.9%	6.0%
	P-205	36.40	4	0.8%	1.3%
	P-210	534.77	54	10.5%	14.2%
	P-212	985.87	95	23.8%	61.7%
	P-213	303.83	12	11.6%	15.6%
	P-220	179.22	20	29.4%	92.4%
	P-221	598.28	61	13.6%	27.1%
	P-223	553.43	60	23.2%	33.2%
	P-240	58.55	2	0.9%	7.9%
	P-245	135.00	3	2.7%	5.8%
	P-250	1,112.74	112	17.1%	30.1%
	P-251	145.50	7	5.9%	9.0%
	P-253	549.90	57	12.2%	19.3%
	P-262	1,086.35	110	28.5%	68.4%
	P-270	392.20	33	7.7%	15.5%
	P-271	129.78	12	2.2%	4.7%
	P-272	263.81	19	10.3%	23.4%
	P-280	339.07	27	18.9%	35.1%
	P-281	189.70	4	6.8%	18.9%
	P-282	31.75	4	0.8%	2.6%
	P-283	550.18	51	15.2%	26.1%
	P-294	1,184.00	112	27.4%	54.2%
	P-301	213.66	23	15.1%	26.9%
	P-311	1,009.49	55	25.3%	43.3%
	P-322	1,277.08	101	18.8%	33.4%
	P-323	308.35	20	6.5%	20.3%
	P-330	617.79	77	11.4%	22.8%
	P-331	760.48	86	12.1%	19.5%
	P-332	541.27	61	9.6%	14.0%
	P-340	534.38	47	29.5%	64.9%
	P-087	1,222.42	130	31.1%	48.8%
	P-252	599.13	32	14.2%	29.0%
	P-321	288.73	27	5.2%	5.8%
	P-260	70.96	7	10.3%	35.5%
	P-067	86.20	10	1.0%	1.3%
	P-312	82.24	5	4.9%	5.7%
	P-206	18.33	2	1.9%	3.4%
	P-242	23.75	2	0.4%	1.1%
	P-310	181.57	8	6.6%	12.1%
	P-261	449.87	48	16.2%	27.9%
	P-201	45.00	6	1.3%	2.3%
	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	37.64	2	3.9%	4.0%
<b>Completed Total</b>		<b>20,441.10</b>	<b>1,877</b>		
<b>Pending</b>	P-322	100.00	1	1.3%	2.6%
	Pending	129.41	17	0.0%	0.0%
	P-341	11.25	1	1.0%	4.3%
<b>Pending Total</b>		<b>240.66</b>	<b>19</b>	<b>2.3%</b>	<b>6.9%</b>
<b>Grand Total</b>		<b>20,681.76</b>	<b>1,896</b>		
Feeder highlighted in red indicates renewable energy capacity has exceeded 25% of minimum daytime load.					
Feeder highlighted in yellow indicates renewable energy capacity has reached 15% to 24% of minimum daytime load.					



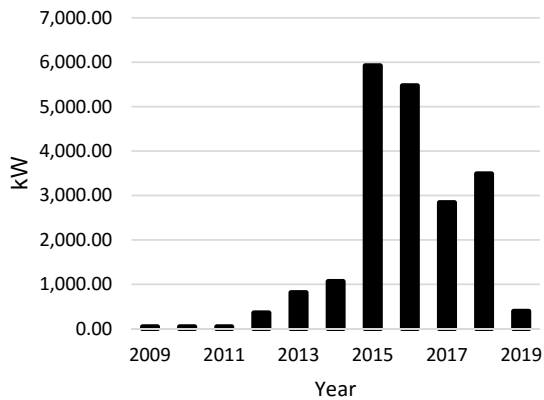
## NET METERING

February 2019

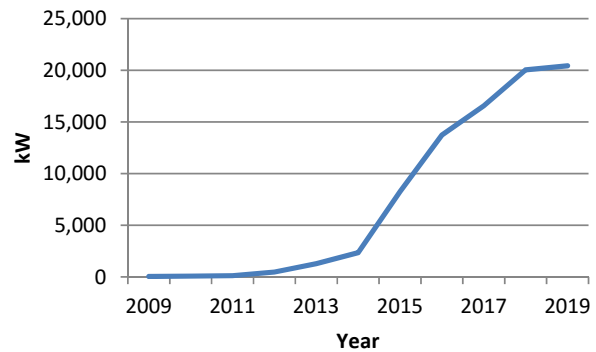
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	41.61	120.27
2012	354.61	474.88
2013	808.15	1,283.03
2014	1,060.04	2,343.07
2015	5,920.39	8,263.46
2016	5,468.49	13,731.94
2017	2,836.10	16,568.04
2018	3,485.23	20,053.27
2019	387.83	20,441.10
<b>Grand Total</b>	<b>20,441.10</b>	

Customer Count by Year		
Year	Total	Cumulative
2009	7	7
2010	2	9
2011	6	15
2012	27	42
2013	66	108
2014	94	202
2015	563	765
2016	527	1,292
2017	293	1,585
2018	255	1,840
2019	37	1,877
<b>Grand Total</b>	<b>1,877</b>	

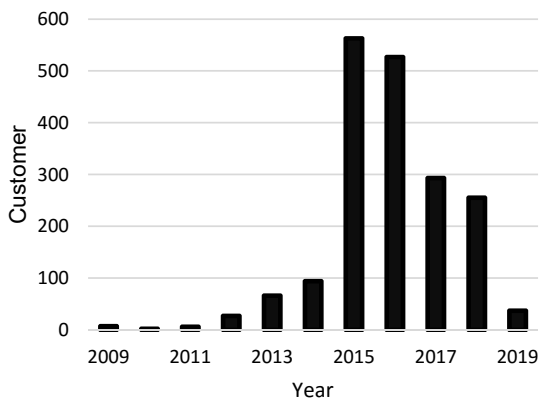
Yearly Installed kW



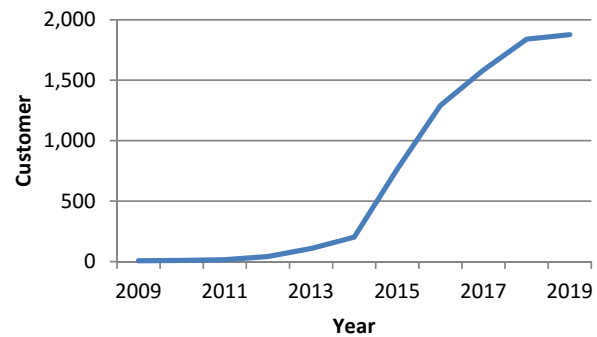
Cumulative Installed kW



Yearly Connected Customer Count



Cumulative Connected Customer Count

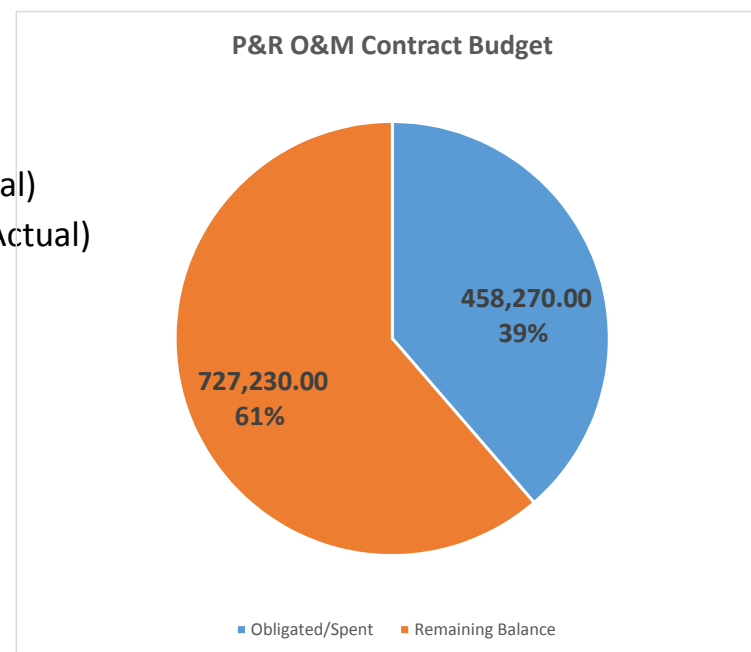


# Planning & Regulatory CCU Report

February 28, 2019

# Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
  - 0.10% O&M Obligation as of October 31, 2018 (Actual)
  - 24.24% O&M Obligation as of November 30, 2018 (Actual)
  - 32.68% O&M Obligation as of Dec. 31, 2018 (Actual)
  - 77.71% O&M Obligated by March 31, 2019



## 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

<p align="center"><b>WEEKLY BMP REPORT SUMMARY</b>  <b>CABRAS POWER PLANT</b>  <b>MONTH OF FEBRUARY 2019</b></p>									
<p align="right">LEGEND OF TRACKING</p> <p> <span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black;"></span> Notification Date         <span style="display: inline-block; width: 15px; height: 15px; background-color: green; border: 1px solid black;"></span> Completed  <span style="display: inline-block; width: 15px; height: 15px; background-color: orange; border: 1px solid black;"></span> Within Scheduled Remediation Period         <span style="display: inline-block; width: 15px; height: 15px; background-color: red; border: 1px solid black;"></span> Deadline is Past Due       </p>									
INSPECTOR: NOEL P. CRUZ									
LOCATION	WE 02/08/19 FINDINGS	WE 02/15/19 FINDINGS	WE 02/22/19 FINDINGS	WE 03/01/19 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETED	RESPONSE
OWS (next to outfall Cabras 3&4)	Oil spill at berm	Oil spill at berm	Corrective action completed 2/22/19		Cover OWS to prevent rainwater from entering the oil chamber and avoid overflow	2/8/2019	ASAP		
Infiltration Pond (Cabras 3&4)	Corrective action completed 2/7/19				Debris removed	1/9/2018	ASAP		
	Container van with used insulation	Container van with used insulation	Container van with used insulation	Container van with used insulation	Remove	1/16/2018	ASAP		
Cabras 1&2 Basement		Drums containing soot and oily waste (rags, sorbent pads)	Drums containing soot and oily waste (rags, sorbent pads)		Schedule for proper disposal	2/14/2019	ASAP		
	Water accumulation in the basement	Water accumulation in the basement	Water accumulation in the basement	Water accumulation in the basement	Repair source of leak/monitor accumulation to prevent flooding	10/19/2018	ASAP		
	Corroded container van	Corrective action completed 2/14/19			Chip and repaint (Painting of container van ongoing)	1/2/2018	ASAP		
	Flourescent bulbs and light fixtures inside crate at basement	Flourescent bulbs and light fixtures inside crate at basement	Flourescent bulbs and light fixtures inside crate at basement		Schedule for proper disposal	1/2/2019	ASAP		
Pavillion Area (Cabras 3&4 side, generator building)	Debris and soil pile near pavillion	Debris and soil pile near pavillion	Debris and soil pile near pavillion		Test results: pile of soil positive with oil. Schedule disposal	2/8/2019	ASAP		
	Rusted pavillion structure and roof	Rusted pavillion structure and roof	Rusted pavillion structure and roof		Demolish pavillion and schedule disposal.	1/18/2019	ASAP		
Cooling Water Intake	Rusted steel cover plates (possible source of high iron/metal)	Rusted steel cover plates (possible source of high iron/metal)	Rusted steel cover plates (possible source of high iron/metal)		Remove rust & repaint steel plate covers	2/8/2019	ASAP		
Refilling Valve Pit Cabras 1, 2, 3, 4				Rainwater inside the berm	Drain water	2/26/2019	ASAP		

## T&amp;D SPCC Inspection Report

### SUMMARY OF SPCC MONTHLY INSPECTION REPORT MONTH OF FEBRUARY, 2019

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

**SUBSTATIONS**

LOCATIONS	FINDINGS	RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
DEDEDO SUBSTATION	Facility Area	NO CORRECTIVE ACTION					
DEDEDO SUBSTATION WAREHOUSE	Facility Area	Improper storage of oil drums	Relocate oil drums to proper storage area. Catchment is for PCB contaminated electrical equipment storage only and must not be mixed with good oil			ASAP	January 2019
	Transformer Storage Area	Old drums stored and showing signs of leak	Dispose oil and discard old drums			ASAP	January 2019
MACHECHE SUBSTATION	Secondary Containment	Algae accumulation	Conduct cleanup			ASAP	January 2019
TALOFOFO SUBSTATION	Facility Area	NO CORRECTIVE ACTION					
TENJO SUBSTATION	Security Fence	Tilting on the side	Fix and secure fence and gate			ASAP	December 2018
YIGO SUBSTATION	Facility Area	NO CORRECTIVE ACTION					

## Generation SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT  
MONTH OF FEBRUARY, 2019

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

## POWER PLANT

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
CABRAS POWER PLANT	Used Oil Tank	Corroded and damaged tank shell coating	Chip corrosion and recoat				ASAP	Sept 2018
	Secondary Containment (Tanks 3&4)	Water accumulation, debris and vegetation in tanks 3&4	Drain water, remove vegetation and contact cleanup				ASAP	January 2019
	HS & LS Service Tanks	Water accumulation, oil sheen present	Drain water and remove oil sheen				ASAP	November 2018
	Cylinder Oil & Lube Oil Tanks	Water accumulation and debris	Remove water and debris				ASAP	November 2018
	Tank Nos. 1&2 (Cabras 1&2)	Corroded pipes and valves	Need immediate attention. Conduct repair				ASAP	August 2018
	Tank No. 4 (Cabras 3 & 4)	Leaking pipe	Repair pipe				ASAP	Sept 2018
	Supply Pipeline	Pipeline crossing the outfall	Install secondary means of containment on the pipeline				ASAP	Sept 2018
	Outfall Line+B16	Corroded pipe	Conduct immediate repair & recoat pipeline				ASAP	January 2019
	Lube Oil Tank (Cabras 3 & 4)	Corroded lube oil pipe	Conduct repair				ASAP	February 2018
	Cabras 3 & 4 OWS	Heavily corroded pipeline	Remove and blank the pipe if pipeline will not be in service				ASAP	February 2018
	Used Oil Facility Pipelines	Corroded pipelines	Chip corrosion and recoat				ASAP	October 2018
DEDEDO CT	Tanks 1&2 Secondary Containment	Algae accumulation	Conduct cleanup				ASAP	February 2019



## Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT  
MONTH OF FEBRUARY, 2019

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

## POWER PLANT

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
MACHECHE CT	Facility Area	Corrosion at tanks T-130/140 (paint applied over rust only)	Remove rust and repaint				ASAP	October 2015
		Pile of wood pallets and drums and empty drums in chemical storage area	Discard wood pallets and old drums				ASAP	February 2019
		Corroded oil drums stored in drum storage area	Monitor drums frequently and use oil ASAP				ASAP	February 2019
YIGO CT	Tanks 130 and 140	Corroded tank shells	Chip corrosion & recoat tanks				ASAP	February 2019
	Secondary Containment	Algae and dried weeds accumulation	Conduct cleanup				ASAP	November 2018
	Drum Storage Area	Scrap metals located in drum storage area	Dispose scrap metals				ASAP	January 2019
MANENGGON DIESEL	Secondary Containment	NO CORRECTIVE ACTION		Repair ongoing			ASAP	January 2019
TALOFOFO DIESEL	Facility Area	Tank shell peeling off	Repaint tank shell				ASAP	February 2019
TENJO DIESEL	Facility Area	NO CORRECTIVE ACTION						
PTI #7	Main Fuel Tank, Day Tank # 1 & 2	No integrity test	Integrity testing is required				ASAP	January 2018
	Main Fuel Tank	Corrosion forming under pipes & pipe support	Chip corrosion and recoat				ASAP	October 2018



**Production Data**  
**28-Feb-19**

SYSTEM											
YEAR	MONTH	# of DAYS	GROSS GENERATION	FUEL CONSUMPTION		GROSS FUEL EFFICIENCY (Target ≥ 15.99 kWh/gal)	COST per GROSS kWh	GROSS HEAT RATE (Baseloads) PUC Target less than 9,600	GROSS HEAT RATE (Peaking) PUC Target less than 13,600	Ave. MW	Peak MW
				(gal)	(bbl)						
2016	July	31	151,248,202	10,443,028	248,644	14.48	\$ 0.0920	9,477.71	12,208.87	203	258
	Aug	31	149,051,031	10,210,429	243,105	14.60	\$ 0.0935	9,431.70	11,155.10	200	252
	Sept	30	142,069,206	9,829,773	234,042	14.45	\$ 0.0956	9,509.75	11,393.73	197	256
	Oct	31	148,824,965	9,660,319	230,008	15.41	\$ 0.0729	9,749.38	10,738.69	200	252
	Nov	30	145,293,562	9,427,636	224,468	15.41	\$ 0.0901	9,714.47	10,786.30	202	252
	Dec	31	147,753,552	9,725,521	231,560	15.19	\$ 0.0934	9,661.13	10,645.44	199	248
2017	Jan	31	142,960,618	9,226,278	219,673	15.49	\$ 0.0913	9,620.29	10,965.71	192	234
	Feb	28	113,499,400	7,270,830	173,115	15.61	\$ 0.0900	9,609.08	11,503.12	195	246
	Mar	31	149,402,182	9,664,440	230,106	15.46	\$ 0.1014	9,719.35	11,440.45	201	246
	Apr	30	145,351,026	9,913,757	236,042	14.66	\$ 0.1101	9,750.73	11,392.12	202	250
	May	31	157,573,506	11,065,930	263,475	14.24	\$ 0.1170	10,067.14	11,323.20	212	256
	June	30	150,240,751	10,654,196	253,671	14.10	\$ 0.1101	10,209.74	11,248.62	209	257
	July	31	150,580,050	10,622,458	252,916	14.18	\$ 0.1169	9,544.54	11,837.62	202	252
	Aug	31	150,084,827	10,642,044	253,382	14.10	\$ 0.1177	9,206.15	11,917.58	202	261
	Sept	30	143,990,208	10,309,304	245,460	13.97	\$ 0.1152	9,541.20	13,107.05	200	254
	Oct	31	147,122,071	9,774,857	232,735	15.05	\$ 0.1079	9,590.71	11,375.81	198	254
	Nov	30	147,284,781	9,783,352	232,937	15.05	\$ 0.1061	9,563.85	11,257.17	205	253
	Dec	31	151,600,064	9,925,003	236,310	15.27	\$ 0.1122	9,607.13	11,035.82	204	250
2018	Jan	31	147,704,057	9,563,641	227,706	15.44	\$ 0.1078	9,755.40	11,029.21	199	246
	Feb	28	131,329,470	8,660,044	206,192	15.16	\$ 0.1150	9,763.94	11,125.15	195	241
	Mar	31	144,370,550	9,889,634	235,467	14.60	\$ 0.1345	9,183.77	11,853.09	194	244
	Apr	30	142,493,891	9,636,757	229,447	14.79	\$ 0.1232	9,558.86	11,901.02	198	247
	May	31	151,201,454	10,120,017	240,953	14.94	\$ 0.1342	9,549.70	11,703.13	203	249
	June	30	142,902,259	9,674,924	230,355	14.77	\$ 0.1399	9,563.51	11,494.36	198	246
	July	31	139,718,862	9,726,750	231,589	14.36	\$ 0.1468	9,647.53	11,909.20	188	242
	Aug	31	141,640,237	9,834,936	234,165	14.40	\$ 0.1437	9,817.09	13,623.96	190	238
	Sept	30	129,965,486	9,303,709	221,517	13.97	\$ 0.1526	9,383.54	13,625.29	181	240
	Oct	31	149,090,501	10,752,842	256,020	13.87	\$ 0.1592	9,870.49	12,783.94	200	243
	Nov	30	139,840,706	9,348,494	222,583	14.96	\$ 0.1446	9,772.22	12,091.07	194	241
	Dec	31	144,799,157	9,756,460	232,297	14.84	\$ 0.1497	9,443.41	11,943.41	195	237
2019	Jan	31	134,551,799	9,056,271	215,626	14.86	\$ 0.1172	9,677.80	11,506.72	181	224
	Feb	28	122,596,954	8,257,791	196,614	14.85	\$ 0.1152	9,592.63	11,923.40	182	226

GPA Work Session - March 21, 2019 - DIVISION REPORTS

**T&D Vegetation Management**

Percent Completion (per Sector Feeder)

Note: Feeders priority listing based on outages due to vegetation

Northern Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P332	6,830	11,470	9,561	308%
P322	7,265	500	4,800	73%
P330	2,635		12,599	478%
P087	4,245	4,450		105%
P046	1,245	200		
P321	4,045	250		
P088	3,310			
P089	670	160		24%
P331	1,925	50		3%
P323	2,810			
P271	50	1,405		2810%
P270	300	1,595		532%
P245	1,660	1,200		72%
P272	150	430		287%
P111	500	475		95%
P244	920	940		102%
P240	430	430		100%
P242	290	160		55%
Total	39,280	23,715	26,960	129%

Central Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P250	33,290	13,545	10,392	72%
P212	17,560	380		2%
P253	15,240			
P283	2,230	50	7,000	316%
P210	10,120	40		0%
P280	1,675	380		23%
P311	1,360			
P007	778			
P211	6,050			
P202	420			
P251	280			
P213	3,500	50		
P252	1,520		4,586	302%
P201	100			
P203	370			
P282	525			
P310	370	100		27%
P205	350			
P206	140			
P204	530			
P312	200			
P281	525			
P400	150			
Total	97,283	14,545	21,978	38%

Southern Sector

Feeder	Estimated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P294	9,430	595	22,801	248%
P261	4,930	1,565	9,939	233%
P340	13,240	1,260	27,675	219%
P262	5,185	720	19,236	385%
P221	1,570	1,545		98%
P223	2,500	4,825		193%
P341	880	2,090	450	289%
P301	19,915	1,999	1,675	18%
P005	990	150		15%
P220	1,250	330		26%
P260	12,630	2,650		21%
Total	72,520	17,729	81,776	137%



## GUAM POWER AUTHORITY

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

### GUAM POWER AUTHORITY FINANCIAL STATEMENT OVERVIEW January 2019

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

#### Summary

The increase in net assets for the month ended was \$1.8 million as compared to the anticipated net decrease of \$0.3 million projected at the beginning of the year. The total kWh sales for the month were 6.81% less than projected and non-fuel revenues were \$0.7 million less than the estimated amount. O & M expenses for the month were \$5.3 million which was \$1.6 million less than our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$3.8 million, which was \$0.2 more than the projected amounts. There were no other significant departures from the budget during the period.

#### Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	1.72	1.94	2
Days in Receivables	42	37	52
Days in Payables	33	36	30
LEAC (Over)/Under Recovery Balance -YTD	\$12,374,890	\$13,336,698	\$13,155,954
T&D Losses	5.33%	5.32%	<7.00%
Debt Service Coverage	1.38	1.36	1.75
Long-term equity ratio	18%	19%	30 – 40%
Days in Cash	171	194	60

The Quick Ratio has been a challenge for GPA historically. However, over the last two fiscal years, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately \$89 million and approximately \$172 million in cash and current receivables. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

**Financial Statements**  
**January 2019**


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**Significant Assumptions**

The significant assumptions in the financial statements are as follows:

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

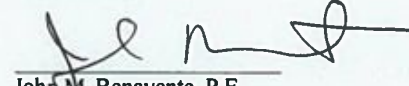
Prepared by:

  
Lenora M. Sanz  
Controller

Reviewed by:

  
John J.E. Kim  
Chief Financial Officer

Approved by:

  
John M. Benavente, P.E.  
General Manager

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Net Position January 31, 2019 and September 30, 2018			
	Unaudited January 2019	Unaudited September 2018	Change from Sept 30 2018
<b>ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	\$ 17,037,986	\$ 17,997,927	\$ (959,941)
Bond indenture funds	37,499,053	49,970,719	(12,471,666)
Held by Guam Power Authority:			
Bond indenture funds	132,614,503	142,583,470	(9,968,967)
Self insurance fund-restricted	19,260,114	19,258,353	1,761
Energy sense fund	570,929	1,085,472	(514,543)
Total cash and cash equivalents	206,982,585	230,895,941	(23,913,356)
Accounts receivable, net	43,388,527	37,746,060	5,642,467
Total current receivables	43,388,527	37,746,060	5,642,467
Materials and supplies inventory	10,780,274	12,695,441	(1,915,167)
Fuel inventory	60,200,742	67,993,103	(7,792,361)
Prepaid expenses	5,339,062	979,828	4,359,234
Total current assets	326,691,190	350,310,373	(23,619,183)
Utility plant, at cost:			
Electric plant in service	1,065,591,530	1,063,192,955	2,398,575
Construction work in progress	42,170,722	28,495,325	13,675,397
Total	1,107,762,252	1,091,688,280	16,073,972
Less: Accumulated depreciation	(611,358,695)	(598,792,653)	(12,566,042)
Total utility plant	496,403,557	492,895,627	3,507,930
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,577,813	48,600,660	(22,847)
Unamortized debt issuance costs	2,409,352	2,503,448	(94,096)
Total other non-current assets	50,987,165	51,104,108	(116,943)
Total assets	874,081,912	894,310,108	(20,228,196)
Deferred outflow of resources:			
Deferred fuel revenue	13,336,698	8,370,542	4,966,156
Unamortized loss on debt refunding	26,306,792	27,093,636	(786,844)
Pension	8,698,853	8,698,853	0
Unamortized forward delivery contract costs	424,878	477,998	(53,120)
Total deferred outflows of resources	48,767,221	44,641,029	4,126,192
	\$ 922,849,133	\$ 938,951,137	\$ (16,102,004)

<b>GUAM POWER AUTHORITY</b> <b>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)</b> <b>Statement of Net Position, Continued</b> <b>January 31, 2019 and September 30, 2018</b>			
	Unaudited January 2019	Unaudited September 2018	Change from Sept 30 2018
<b>LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION</b>			
Current liabilities:			
Current maturities of long-term debt	\$ 16,130,000	\$ 1,630,000	\$ 14,500,000
Current obligations under capital leases	7,546,290	13,469,594	(5,923,304)
Accounts payable			
Operations	27,172,669	47,870,908	(20,698,239)
Others	16,352,343	259,708	16,092,635
Accrued payroll and employees' benefits	1,656,039	1,949,080	(293,041)
Current portion of employees' annual leave	2,253,444	2,101,168	152,276
Interest payable	9,923,995	14,660,598	(4,736,603)
Customer deposits	8,237,656	8,142,519	95,137
Total current liabilities	89,272,436	90,083,575	(811,139)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	19,345,291	0
Long term debt, net of current maturities	587,466,286	604,881,434	(17,415,148)
Obligations under capital leases, net of current portion	8,730,107	11,228,765	(2,498,658)
Net Pension liability	80,289,556	81,468,099	(1,178,543)
DCRS sick leave liability	4,008,397	4,008,397	0
Employees' annual leave net of current portion	1,086,456	1,086,456	0
Customer advances for construction	395,497	385,293	10,204
Total liabilities	790,594,026	812,487,310	(21,893,284)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	1,557,381	1,752,053	(194,672)
Pension	788,894	788,894	0
Total deferred inflows of resources	2,346,275	2,540,947	(194,672)
Commitments and contingencies			
Net Position:			
Net investment in capital assets	(37,787,757)	(40,128,079)	2,340,323
Restricted	45,517,309	47,856,103	(2,338,794)
Unrestricted	122,179,279	116,194,856	5,984,423
Total net position	129,908,831	123,922,880	5,985,951
	\$ 922,849,133	\$ 938,951,137	\$ (16,102,004)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Revenues, Expenses and Changes in Net Assets						
	January 31		% of	Four Months		% of
	Unaudited	Audited	change	Ended	Audited	change
	2019	2018	Inc (dec)	January	2018	Inc (dec)
Revenues						
Sales of electricity	\$ 31,437,899	\$ 29,570,546	6	\$ 132,902,535	\$ 118,334,353	12
Miscellaneous	1,089,972	244,586	346	1,854,442	651,638	185
Total	32,527,871	29,815,132	9	134,756,977	118,985,991	13
Bad debt expense	(91,500)	(83,583)	9	(366,000)	(334,332)	9
Total revenues	32,436,371	29,731,549	9	134,390,977	118,651,659	13
Operating and maintenance expenses						
Production fuel	18,821,624	16,036,335	17	80,051,433	63,379,700	26
Other production	1,230,090	1,623,928	(24)	4,890,905	5,149,642	(5)
	20,051,714	17,660,263	14	84,942,338	68,529,342	24
Depreciation	2,848,642	2,498,360	14	12,733,037	13,239,119	(4)
Energy conversion cost	1,691,681	1,395,174	21	5,912,654	6,337,146	(7)
Transmission & distribution	1,050,369	1,179,451	(11)	3,583,681	4,139,311	(13)
Customer accounting	509,530	407,905	25	1,719,513	1,684,120	2
Administrative & general	2,517,924	2,909,522	(13)	10,027,496	9,770,822	3
Total operating and maintenance expenses	28,669,860	26,050,675	10	118,918,719	103,699,860	15
Operating income	3,766,511	3,680,874	2	15,472,258	14,951,799	3
Other income (expenses)						
Interest income	397,546	152,399	161	1,282,749	1,903,859	(33)
Interest expense and amortization	(2,425,693)	(2,664,160)	(9)	(9,603,982)	(10,832,550)	(11)
Bond issuance costs	88,022	91,039	(3)	351,088	(2,242,871)	(116)
Bid bond forfeiture	0	0	0	(1,245,000)	0	
Allowance for funds used during construction	0	201,120	(100)	0	1,021,041	(100)
Losses due to typhoon	(67,137)	0		(282,828)	(192,262)	
Other expense	(4,291)	(4,291)	0	(17,164)	(17,164)	0
Total other income (expenses)	(2,011,553)	(2,223,893)	(10)	(9,515,137)	(10,359,947)	(8)
Income (loss) before capital contributions	1,754,958	1,456,981	20	5,957,121	4,591,852	30
Capital contributions	28,837	0	0	28,837	4,795	0
Increase (decrease) in net assets	1,783,795	1,456,981	22	5,985,958	4,596,647	30
Total net assets at beginning of period (restated)	128,125,043	113,316,223	0	123,922,880	110,176,557	12
Total net assets at end of period	\$ 129,908,838	\$ 114,773,204	13	\$ 129,908,838	\$ 114,773,204	13



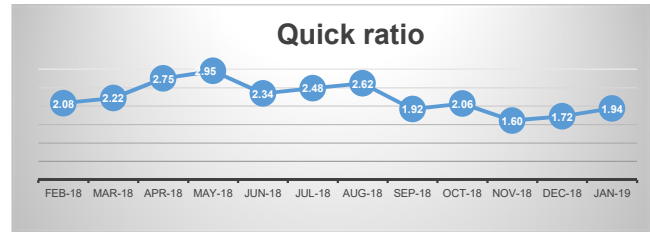
<b>GUAM POWER AUTHORITY</b> <b>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)</b> <b>Statements of Cash Flows</b> <b>Period Ended January 31, 2019</b>		
	Month Ended 1/31/2019	YTD Ended 1/31/2019
<b>Increase(decrease) in cash and cash equivalents</b>		
Cash flows from operating activities:		
Cash received from customers	\$35,651,917	\$ 128,839,923
Cash payments to suppliers and employees for goods and services	<u>18,509,940</u>	<u>111,654,501</u>
Net cash provided by operating activities	\$17,141,977	17,185,422
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	<u>397,546</u>	<u>1,282,749</u>
Net cash provided by investing activities	397,546	1,282,749
Cash flows from non-capital financing activities		
Interest paid on short term debt	(7,126)	(26,696)
Provision for self insurance funds	<u>-</u>	<u>(1,761)</u>
Net cash provided by noncapital financing activities	(7,126)	(28,457)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(1,174,799)	(16,240,972)
Principal paid on bonds and other long-term debt	-	(1,630,000)
Interest paid on bonds(net of capitalized interest)	-	(14,052,875)
Interest paid on capital lease obligations	(90,026)	(261,014)
Interest & principal funds held by trustee	(3,680,705)	959,941
Reserve funds held by trustee	(47,091)	22,847
Bond funds held by trustee	8,075,839	12,471,666
Principal payment on capital lease obligations	(2,133,515)	(8,421,962)
Grant from DOI/FEMA	28,837	28,837
Debt issuance costs/loss on defeasance	(321,537)	(1,285,148)
Net cash provided by (used in) capital and related financing activities	<u>657,003</u>	<u>(28,408,680)</u>
Net (decrease) increase in cash and cash equivalents	18,189,400	(9,968,966)
Cash and cash equivalents, beginning	<u>114,425,104</u>	<u>142,583,470</u>
<b>Cash and cash equivalents-Funds held by GPA, January 31, 2019</b>	<b>\$ 132,614,503</b>	<b>\$ 132,614,503</b>

<b>GUAM POWER AUTHORITY</b> <b>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)</b> <b>Statements of Cash Flows, continued</b> <b>Period Ended January 31, 2019</b>		
	<b>Month Ended</b> <b>1/31/2019</b>	<b>YTD Ended</b> <b>1/31/2019</b>
<b>Reconciliation of operating earnings to net cash provided</b>		
<b>by operating activities:</b>		
Operating earnings net of depreciation expense and excluding interest income	\$3,766,511	\$15,472,258
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	2,848,642	12,733,037
Other expense	16,594	(1,193,904)
(Increase) decrease in assets:		
Accounts receivable	3,140,437	(5,642,467)
Materials and inventory	623,697	1,915,167
Fuel inventory	1,890,113	7,792,361
Prepaid expenses	768,511	(4,359,234)
Unamortized debt issuance cost	23,524	94,096
Deferred fuel revenue	(961,808)	(4,966,156)
Unamortized loss on debt refunding	196,711	786,844
Unamortized forward delivery contract costs	13,280	53,120
Increase (decrease) in liabilities:		
Accounts payable-operations	(11,563,863)	(20,698,239)
Accounts payable-others	16,216,934	16,607,178
Accrued payroll and employees' benefits	463,004	(293,041)
Net pension liability	(288,943)	(1,178,543)
Employees' annual leave	(39)	152,276
Customers deposits	30,262	95,137
Customer advances for construction	7,078	10,204
Unearned forward delivery contract revenue	(48,668)	(194,672)
<b>Net cash provided by operating activities</b>	<b>\$17,141,977</b>	<b>\$ 17,185,422</b>

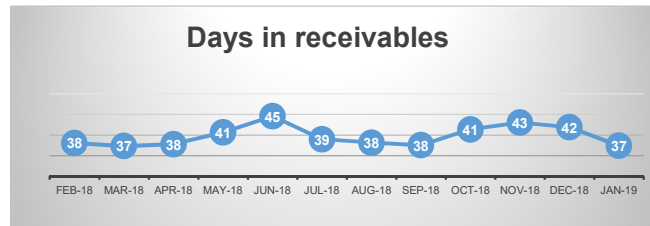
**Guam Power Authority  
Financial Analysis  
01/31/19**

**Quick Ratio**

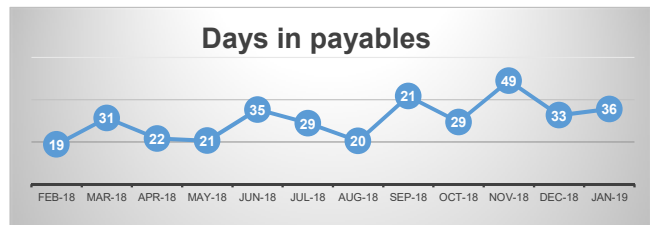
A	Reserve Funds Held by GPA	132,614,503
B	Current Accounts Receivable	40,243,642
C	Total Cash and A/R (A+B)	172,858,145
D	Total Current Liabilities	89,272,436
E	<b>Quick Ratio (F/G)</b>	<b>1.94</b>

**Days in Receivables**

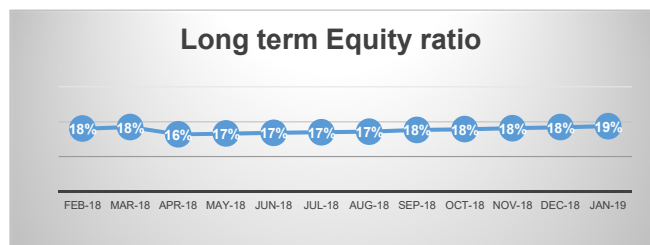
A	FY 18 Moving 12 Mos.-Actual	392,867,054
B	No. of Days	365
C	Average Revenues per day (A/B)	1,076,348
D	Current Accounts Receivable	40,243,642
E	<b>Days in Receivables (D/C)</b>	<b>37</b>

**Days in Payables**

A	FY 18 Moving 12 Months-Actual	446,793,476
B	No. of Days	365
C	Average Payables per day (A/B)	1,224,092
D	Current Accounts Payables	43,525,011
E	<b>Days in Payables (D/C)</b>	<b>36</b>

**Long term equity ratio**

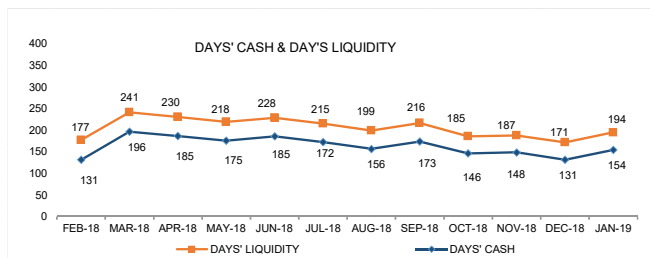
A	Equity	\$ 129,908,831.00
B	Total Long term Liability	\$ 564,180,879.00
C	Total Equity and liability	\$ 694,089,710.00
D	<b>Long term equity ratio (A/C)</b>	<b>19%</b>

**Days cash on hand**

A	Unrestricted cash & cash equivalents	132,615
B	No. of Days -YTD	123
C	A x B	16,311,584
D	Total Operating expenses excluding depreciation	106,186
E	<b>Days cash on hand</b>	<b>154</b>

**Days' Liquidity**

A	Unrestricted cash , cash equivalents & revolving Cr	167,615
B	No. of Days -YTD	123
C	A x B	20,616,584
D	Total Operating expenses excluding depreciation	106,186
E	<b>Days liquidity</b>	<b>194</b>



## GPA 302

GUAM POWER AUTHORITY  
ACCURED REVENUE  
JANUARY 2019

		FOR THE MONTH ENDED JANUARY		FOUR MONTHS ENDED JANUARY	
		2019	2018	2019	2018
KWH SALES:					
Residential		36,661,215	42,067,765	161,295,534	170,444,561
Small Gen. Non Demand		6,252,665	6,844,713	26,624,489	27,928,173
Small Gen. Demand		14,926,054	15,562,774	61,038,723	62,992,803
Large General		24,846,497	26,242,185	101,649,800	106,578,875
Independent Power Producer		36,117	27,011	131,003	253,218
Private St. Lights		32,878	32,358	133,794	136,380
Sub-total		82,755,426	90,776,805	350,873,343	368,334,010
Government Service:					
Small Non Demand		1,066,520	1,248,251	4,613,854	5,027,020
Small Demand		7,752,635	8,102,981	31,704,633	32,548,722
Large		5,782,397	6,315,619	24,226,172	26,096,751
Street Lighting		714,935	716,067	2,878,259	2,895,401
Sub-total		15,316,487	16,382,918	63,422,917	66,567,894
Total		98,071,914	107,159,724	414,296,261	434,901,904
U. S. Navy		24,517,651	26,722,147	102,509,341	106,873,123
GRAND TOTAL		122,589,564	133,881,870	516,805,602	541,775,027
REVENUE:					
Residential	\$	9,109,499	\$ 8,985,179	\$ 40,341,246	\$ 36,406,597
Small Gen. Non Demand	\$	1,844,100	\$ 1,741,922	\$ 7,781,355	\$ 7,089,289
Small Gen. Demand	\$	4,135,462	\$ 3,714,258	\$ 16,763,089	\$ 14,940,996
Large General	\$	6,433,966	\$ 5,762,313	\$ 26,134,853	\$ 23,425,246
Independent Power Producer	\$	10,117	\$ 6,029	\$ 36,678	\$ 55,075
Private St. Lights	\$	26,100	\$ 25,133	\$ 104,182	\$ 101,407
Sub-total	\$	21,559,243	\$ 20,234,834	\$ 91,161,403	\$ 82,018,610
Government Service:					
Small Non Demand	\$	328,284	\$ 332,434	\$ 1,405,197	\$ 1,341,892
Small Demand	\$	2,248,023	\$ 2,016,922	\$ 9,120,227	\$ 8,174,415
Large	\$	1,614,932	\$ 1,525,771	\$ 6,684,653	\$ 6,309,010
Street Lighting	\$	465,560	\$ 427,482	\$ 1,938,746	\$ 1,709,235
Sub-total	\$	4,656,799	\$ 4,302,609	\$ 19,148,823	\$ 17,534,551
Total	\$	26,216,042	\$ 24,537,443	\$ 110,310,227	\$ 99,553,161
U. S. Navy	\$	5,221,857	\$ 5,033,103	\$ 22,592,308	\$ 18,781,192
GRAND TOTAL	\$	31,437,899	\$ 29,570,546	\$ 132,902,534	\$ 118,334,353
NUMBER OF CUSTOMERS:					
Residential		44,091	44,119	44,000	43,991
Small Gen. Non Demand		4,180	4,142	4,176	4,134
Small Gen. Demand		986	981	985	982
Large General		119	119	118	118
Independent Power Producer		2	2	524	529
Private St. Lights		522	527	2	3
Sub-total		49,900	49,890	49,805	49,756
Government Service:					
Small Non Demand		679	686	679	680
Small Demand		356	350	349	351
Large		42	47	44	47
Street Lighting		628	389	628	381
Sub-total		1,705	1,472	1,699	1,458
Total		51,605	51,362	51,504	51,214
US Navy		1	1	1	1
		51,606	51,363	51,505	51,215

GPA Work Session - March 21, 2019 - DIVISION REPORTS

GPA403		GUAM POWER AUTHORITY ACCRUED REVENUE												
	TWELVE MONTHS ENDING	JANUARY 2019	DECEMBER 2018	NOVEMBER 2018	OCTOBER 2018	SEPTEMBER 2018	AUGUST 2018	JULY 2018	JUNE 2018	MAY 2018	APRIL 2018	MARCH 2018	FEBRUARY 2018	
KWH SALES:														
Residential	486,197,721	36,661,215	41,291,151	41,148,899	42,194,270	37,207,511	39,748,314	41,361,122	42,056,621	44,782,019	41,394,961	41,541,824	36,809,815	
Small General Non Demand	80,115,919	6,252,665	6,871,789	6,712,433	6,787,602	6,128,698	6,737,467	6,743,157	6,840,318	7,216,684	6,694,385	6,976,607	6,154,115	
Small General Demand	182,651,073	14,926,054	15,425,672	15,054,686	15,632,311	14,018,162	15,283,605	15,161,689	15,360,000	16,316,998	15,390,268	15,917,309	14,164,319	
Large General	302,439,174	24,846,497	25,790,483	26,074,017	24,938,803	23,573,240	24,724,982	25,339,577	25,263,128	26,377,222	25,681,619	26,155,199	23,674,407	
Private Outdoor Lighting	400,471	32,878	33,401	33,984	33,531	34,933	33,511	34,288	37,088	34,126	27,531	32,791	32,400	
Independent Power Producer	357,500	36,117	28,494	35,867	30,526	29,708	30,251	30,088	25,238	26,295	27,405	28,536	28,976	
Sub-Total	1,052,161,858	82,755,426	89,440,990	89,059,886	89,617,042	80,992,253	86,558,130	88,669,920	89,582,394	94,753,344	89,216,169	90,652,265	80,864,040	
Government Service:														
Small Non Demand	13,913,818	1,066,520	1,218,540	1,096,422	1,232,371	1,089,787	1,205,730	1,128,046	1,157,839	1,224,286	1,180,911	1,193,794	1,119,571	
Small Demand	92,101,847	7,752,635	8,107,721	7,758,614	8,085,662	7,082,161	7,641,330	7,182,975	7,404,715	8,098,401	7,720,850	7,889,205	7,377,578	
Large	72,779,728	5,782,397	6,098,140	5,989,384	6,356,251	5,873,776	6,179,381	5,707,305	5,896,149	6,622,597	6,142,309	6,226,210	5,905,830	
Street Lighting (Agencies)	9,029,076	714,935	805,684	744,605	613,035	734,966	842,364	903,135	795,661	761,901	699,601	743,499	669,689	
Sub-Total	187,824,470	15,316,487	16,230,084	15,589,026	16,287,319	14,780,690	15,868,805	14,921,461	15,254,364	16,707,185	15,743,671	16,052,709	15,072,669	
Total	1,239,986,328	98,071,914	105,671,074	104,648,912	105,904,361	95,772,942	102,426,935	103,591,381	104,836,757	111,460,529	104,959,840	106,704,974	95,936,708	
U.S. Navy	302,096,391	24,517,651	26,518,827	24,888,490	26,584,373	23,161,867	24,921,140	25,089,942	24,891,007	26,624,376	25,605,624	25,988,485	23,304,608	
Grand Total	1,542,082,719	122,589,564	132,189,902	129,537,402	132,488,734	118,934,809	127,348,076	128,681,323	129,727,764	138,084,906	130,565,464	132,693,459	119,241,316	
REVENUE:														
Residential	\$ 121,758,080	\$ 9,109,499	\$ 10,347,514	\$ 10,286,420	\$ 10,597,812	\$ 9,335,975	\$ 9,971,178	\$ 10,379,963	\$ 10,487,819	\$ 11,371,498	\$ 10,082,308	\$ 10,154,660	\$ 9,633,432	
Small General Non Demand	\$ 23,370,906	\$ 1,844,100	\$ 2,002,603	\$ 1,938,660	\$ 1,995,993	\$ 1,793,407	\$ 1,962,561	\$ 1,975,429	\$ 1,969,294	\$ 2,127,563	\$ 1,903,541	\$ 1,988,097	\$ 1,869,658	
Small General Demand	\$ 50,076,042	\$ 4,135,462	\$ 4,234,344	\$ 4,091,967	\$ 4,301,317	\$ 3,892,588	\$ 4,192,538	\$ 4,181,623	\$ 4,150,658	\$ 4,513,787	\$ 4,108,079	\$ 4,266,730	\$ 4,006,949	
Large General	\$ 77,628,669	\$ 6,433,966	\$ 6,618,506	\$ 6,715,109	\$ 6,367,272	\$ 6,170,948	\$ 6,427,049	\$ 6,510,707	\$ 6,533,909	\$ 6,798,955	\$ 6,399,879	\$ 6,565,683	\$ 6,086,686	
Private Outdoor Lighting	\$ 311,815	\$ 26,100	\$ 25,860	\$ 26,021	\$ 26,201	\$ 26,392	\$ 26,189	\$ 26,302	\$ 27,542	\$ 26,776	\$ 22,912	\$ 25,785	\$ 25,733	
Independent Power Producer	\$ 98,714	\$ 10,117	\$ 7,355	\$ 10,699	\$ 8,507	\$ 8,392	\$ 7,924	\$ 9,619	\$ 6,601	\$ 7,068	\$ 7,057	\$ 7,406	\$ 7,969	
Sub-Total	\$ 273,244,224	\$ 21,559,243	\$ 23,236,182	\$ 23,068,875	\$ 23,297,103	\$ 21,227,703	\$ 22,587,439	\$ 23,083,643	\$ 23,175,823	\$ 24,845,648	\$ 22,523,776	\$ 23,008,362	\$ 21,630,428	
Government Service:														
Small Non Demand	\$ 4,221,195	\$ 328,284	\$ 373,332	\$ 335,403	\$ 368,179	\$ 335,723	\$ 366,623	\$ 343,795	\$ 354,533	\$ 372,707	\$ 350,949	\$ 356,541	\$ 335,126	
Small Demand	\$ 26,486,072	\$ 2,248,023	\$ 2,372,119	\$ 2,230,742	\$ 2,269,343	\$ 2,104,471	\$ 2,213,718	\$ 2,081,391	\$ 2,159,463	\$ 2,323,025	\$ 2,164,585	\$ 2,224,973	\$ 2,094,220	
Large	\$ 20,228,254	\$ 1,614,932	\$ 1,688,786	\$ 1,646,650	\$ 1,734,285	\$ 1,680,530	\$ 1,733,549	\$ 1,609,173	\$ 1,667,786	\$ 1,840,797	\$ 1,676,200	\$ 1,707,269	\$ 1,628,297	
Street Lighting (Agencies)	\$ 5,786,994	\$ 465,560	\$ 498,967	\$ 479,197	\$ 495,021	\$ 477,638	\$ 499,032	\$ 568,447	\$ 477,183	\$ 477,272	\$ 452,952	\$ 455,729	\$ 439,995	
Sub-Total	\$ 56,722,515	\$ 4,656,799	\$ 4,933,204	\$ 4,691,993	\$ 4,866,827	\$ 4,598,362	\$ 4,812,921	\$ 4,602,806	\$ 4,658,965	\$ 5,013,801	\$ 4,644,687	\$ 4,744,512	\$ 4,497,638	
Total	\$ 329,966,739	\$ 26,216,042	\$ 28,169,387	\$ 27,760,868	\$ 28,163,930	\$ 25,826,065	\$ 27,400,361	\$ 27,686,449	\$ 27,834,788	\$ 29,859,448	\$ 27,168,463	\$ 27,752,874	\$ 26,128,065	
U.S. Navy	\$ 62,930,315	\$ 5,221,857	\$ 5,266,617	\$ 6,152,798	\$ 5,951,036	\$ 5,271,574	\$ 5,243,314	\$ 5,217,194	\$ 4,618,042	\$ 5,005,555	\$ 5,623,411	\$ 5,202,943	\$ 4,155,974	
Grand Total	\$ 392,897,054	\$ 31,437,899	\$ 33,436,004	\$ 33,913,666	\$ 34,114,966	\$ 31,097,639	\$ 32,643,674	\$ 32,903,643	\$ 32,452,830	\$ 34,865,003	\$ 32,791,874	\$ 32,955,817	\$ 30,284,040	
NUMBER OF CUSTOMERS:														
Residential	44,009	44,091	43,920	43,876	44,112	43,887	44,005	44,003	44,074	44,086	43,991	44,065	43,995	
Small General Non Demand	4,172	4,180	4,166	4,176	4,183	4,159	4,185	4,183	4,173	4,172	4,183	4,154	4,153	
Small General Demand	985	986	987	981	984	982	984	982	984	988	988	987	991	
Large General	119	119	118	119	117	118	118	119	119	119	119	119	118	
Private Outdoor Lighting	528	522	523	524	527	525	525	531	532	533	536	527	527	
Independent Power Producer	2	2	2	2	2	2	2	2	2	2	2	2	2	
Sub-Total	49,814	49,900	49,716	49,678	49,925	49,673	49,819	49,820	49,884	49,900	49,819	49,853	49,786	
Government Service:														
Small Non Demand	679	679	683	667	686	677	683	690	694	691	692	689	684	
Small Demand	350	356	360	327	352	353	354	351	351	350	350	350	351	
Large	46	42	47	38	47	47	47	47	47	47	47	47	47	
Street Lighting (Agencies)	572	628	628	628	629	627	614	612	559	526	513	479	421	
Sub-Total	1,647	1,705	1,718	1,660	1,714	1,704	1,698	1,700	1,651	1,614	1,602	1,565	1,503	
Total	51,461	51,605	51,434	51,338	51,639	51,377	51,517	51,520	51,535	51,514	51,421	51,418	51,289	
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1	
Grand Total	51,462	51,606	51,435	51,339	51,640	51,378	51,518	51,521	51,536	51,515	51,422	51,419	51,290	

GPA Work Session - March 21, 2019 - DIVISION REPORTS

GPA303

**GUAM POWER AUTHORITY  
ACCRUED REVENUE  
JANUARY 2019**

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE		BASE RATE REVENUE		AVERAGE PER CUSTOMER		NON-FUEL		0.154242 FUEL	
			AMOUNT	C/KWH	C/KWH	AMOUNT	KWH	REVENUE	C/KWH	AMOUNT	C/KWH	AMOUNT
Month												
R Residential	44,091	36,661,215	\$ 9,109,499	\$ 24.85	\$ 24.85	\$ 9,109,499	831	\$ 207	\$ 9.42	\$ 3,454,800	\$ 15.42	\$ 5,654,699
G Small Gen. Non Demand	4,180	6,252,665	\$ 1,844,100	\$ 29.49	\$ 29.49	\$ 1,844,100	1,496	\$ 441	\$ 14.07	\$ 879,676	\$ 15.42	\$ 964,424
J Small Gen. Demand	986	14,926,054	\$ 4,135,462	\$ 27.71	\$ 27.71	\$ 4,135,462	15,138	\$ 4,194	\$ 12.29	\$ 1,834,209	\$ 15.42	\$ 2,301,253
P Large General	119	24,846,497	\$ 6,433,966	\$ 25.89	\$ 25.89	\$ 6,433,966	208,794	\$ 54,067	\$ 10.54	\$ 2,619,572	\$ 15.35	\$ 3,814,395
I Independent Power Producer	2	36,117	\$ 10,117	\$ 28.01	\$ 28.01	\$ 10,117	18,059	\$ 5,058	\$ 13.14	\$ 4,746	\$ 14.87	\$ 5,371
H Private St. Lights	522	32,878	\$ 26,100	\$ 79.38	\$ 79.38	\$ 26,100	63	\$ 50	\$ 63.96	\$ 21,029	\$ 15.42	\$ 5,071
Sub-Total	49,900	82,755,426	\$ 21,559,243	\$ 26.05	\$ 26.05	\$ 21,559,243	1,658	\$ 432	\$ 10.65	\$ 8,814,031	\$ 15.40	\$ 12,745,212
Government Service:												
S Small Non Demand	679	1,066,520	\$ 328,284	\$ 30.78	\$ 30.78	\$ 328,284	1,571	\$ 483	\$ 15.36	\$ 163,781	\$ 15.42	\$ 164,502
K Small Demand	356	7,752,635	\$ 2,248,023	\$ 29.00	\$ 29.00	\$ 2,248,023	21,777	\$ 6,315	\$ 13.57	\$ 1,052,241	\$ 15.42	\$ 1,195,782
L Large	42	5,782,397	\$ 1,614,932	\$ 27.93	\$ 27.93	\$ 1,614,932	137,676	\$ 38,451	\$ 12.70	\$ 734,076	\$ 15.23	\$ 880,856
F Street Lighting (Agencies)	628	714,935	\$ 465,560	\$ 65.12	\$ 65.12	\$ 465,560	1,138	\$ 741	\$ 49.70	\$ 355,287	\$ 15.42	\$ 110,273
Sub-Total	1,705	15,316,487	\$ 4,656,799	\$ 30.40	\$ 30.40	\$ 4,656,799	8,983	\$ 2,731	\$ 15.05	\$ 2,305,386	\$ 15.35	\$ 2,351,413
U.S. Navy	51,605	98,071,914	\$ 26,216,042	\$ 26.73	\$ 26.73	\$ 26,216,042	1,900	\$ 508	\$ 11.34	\$ 11,119,417	\$ 15.39	\$ 15,096,625
	1	24,517,651	\$ 5,221,857	\$ 21.30	\$ 21.30	\$ 5,221,857			\$ 6.11	\$ 1,496,858	\$ 15.19	\$ 3,724,999
TOTAL	51,606	122,589,564	\$ 31,437,899	\$ 25.64	\$ 25.64	\$ 31,437,899	2,375	\$ 609	\$ 10.29	\$ 12,616,275	\$ 15.35	\$ 18,821,624
Four Month Ended January 2019												
R Residential	44,000	161,295,534	\$ 40,341,246	\$ 25.01	\$ 25.01	\$ 40,341,246	3,666	\$ 917	\$ 9.59	\$ 15,462,700	\$ 15.42	\$ 24,878,546
G Small Gen. Non Demand	4,176	26,624,489	\$ 7,781,355	\$ 29.23	\$ 29.23	\$ 7,781,355	6,375	\$ 1,863	\$ 13.80	\$ 3,674,741	\$ 15.42	\$ 4,106,614
J Small Gen. Demand	985	61,038,723	\$ 16,763,089	\$ 27.46	\$ 27.46	\$ 16,763,089	62,000	\$ 17,027	\$ 12.05	\$ 7,352,322	\$ 15.42	\$ 9,410,768
P Large General	118	101,649,800	\$ 26,134,853	\$ 25.71	\$ 25.71	\$ 26,134,853	859,618	\$ 221,014	\$ 10.36	\$ 10,530,202	\$ 15.35	\$ 15,604,651
I Independent Power Producer	524	131,003	\$ 36,678	\$ 28.00	\$ 28.00	\$ 36,678	250	\$ 70	\$ 26.14	\$ 34,244	\$ 1.86	\$ 2,434
H Private St. Lights	2	133,794	\$ 104,182	\$ 77.87	\$ 77.87	\$ 104,182	66,897	\$ 52,091	\$ 49.70	\$ 66,489	\$ 28.17	\$ 37,693
Sub-Total	49,805	350,873,343	\$ 91,161,403	\$ 25.98	\$ 25.98	\$ 91,161,403	7,045	\$ 1,830	\$ 10.58	\$ 37,120,698	\$ 15.40	\$ 54,040,705
Government Service:												
S Small Non Demand	679	4,613,854	\$ 1,405,197	\$ 30.46	\$ 30.46	\$ 1,405,197	6,798	\$ 2,070	\$ 15.03	\$ 693,547	\$ 15.42	\$ 711,650
K Small Demand	349	31,704,633	\$ 9,120,227	\$ 28.77	\$ 28.77	\$ 9,120,227	90,909	\$ 26,151	\$ 13.34	\$ 4,230,041	\$ 15.42	\$ 4,890,186
L Large	44	24,226,172	\$ 6,684,653	\$ 27.59	\$ 27.59	\$ 6,684,653	556,923	\$ 153,670	\$ 12.36	\$ 2,993,145	\$ 15.24	\$ 3,691,508
F Street Lighting (Agencies)	628	2,878,259	\$ 1,938,746	\$ 67.36	\$ 67.36	\$ 1,938,746	4,581	\$ 3,086	\$ 51.93	\$ 1,494,797	\$ 15.42	\$ 443,948
Sub-Total	1,699	63,422,917	\$ 19,148,823	\$ 30.19	\$ 30.19	\$ 19,148,823	37,324	\$ 11,269	\$ 14.84	\$ 9,411,531	\$ 15.35	\$ 9,737,292
U.S. Navy	1	102,509,341	\$ 22,592,308	\$ 22.04	\$ 22.04	\$ 22,592,308			\$ 6.16	\$ 6,318,871	\$ 15.88	\$ 16,273,436
TOTAL	51,505	516,805,602	\$ 132,902,534	\$ 25.72	\$ 25.72	\$ 132,902,534	10,034	\$ 2,580	\$ 10.23	\$ 52,851,101	\$ 15.49	\$ 80,051,434
Twelve Months Ended January 2019												
R Residential	44,009	486,197,721	\$ 121,758,080	\$ 25.04	\$ 25.04	\$ 121,758,080	11,048	\$ 2,767	\$ 9.63	\$ 46,804,796	\$ 15.42	\$ 74,953,284
G Small Gen. Non Demand	4,172	80,115,919	\$ 23,370,906	\$ 29.17	\$ 29.17	\$ 23,370,906	19,202	\$ 5,602	\$ 13.75	\$ 11,017,542	\$ 15.42	\$ 12,353,364
J Small Gen. Demand	985	182,651,073	\$ 50,076,042	\$ 27.42	\$ 27.42	\$ 50,076,042	185,370	\$ 50,821	\$ 12.04	\$ 21,986,734	\$ 15.38	\$ 28,089,308
P Large General	119	302,439,174	\$ 77,628,669	\$ 25.67	\$ 25.67	\$ 77,628,669	2,552,229	\$ 655,094	\$ 10.45	\$ 31,617,994	\$ 15.21	\$ 46,010,675
I Independent Power Producer	2	357,500	\$ 98,714	\$ 27.61	\$ 27.61	\$ 98,714	178,750	\$ 49,357	\$ 12.88	\$ 46,053	\$ 14.73	\$ 52,661
H Private St. Lights	528	400,471	\$ 311,815	\$ 77.86	\$ 77.86	\$ 311,815	759	\$ 591	\$ 62.60	\$ 250,692	\$ 15.26	\$ 61,123
Sub-Total	49,814	1,052,161,858	\$ 273,244,224	\$ 25.97	\$ 25.97	\$ 273,244,224	21,122	\$ 5,485	\$ 10.62	\$ 111,723,811	\$ 15.35	\$ 161,520,414
Government Service:												
S Small Non Demand	679	13,913,818	\$ 4,221,195	\$ 30.34	\$ 30.34	\$ 4,221,195	20,499	\$ 6,219	\$ 15.09	\$ 2,099,432	\$ 15.25	\$ 2,121,763
K Small Demand	350	92,101,847	\$ 26,486,072	\$ 28.76	\$ 28.76	\$ 26,486,072	262,835	\$ 75,585	\$ 13.51	\$ 12,440,460	\$ 15.25	\$ 14,045,611
L Large	46	72,779,728	\$ 20,228,254	\$ 27.79	\$ 27.79	\$ 20,228,254	1,587,921	\$ 441,344	\$ 12.73	\$ 9,263,274	\$ 15.07	\$ 10,964,980
F Street Lighting (Agencies)	572	9,029,076	\$ 5,786,994	\$ 64.09	\$ 64.09	\$ 5,786,994	15,785	\$ 10,117	\$ 48.83	\$ 4,409,070	\$ 15.26	\$ 1,377,924
Sub-Total	1,647	187,824,470	\$ 56,722,515	\$ 30.20	\$ 30.20	\$ 56,722,515	114,040	\$ 34,440	\$ 15.02	\$ 28,212,236	\$ 15.18	\$ 28,510,279
U.S. Navy	51,461	1,239,986,328	\$ 329,966,739	\$ 26.61	\$ 26.61	\$ 329,966,739	24,095	\$ 39,925	\$ 11.29	\$ 139,936,047	\$ 15.33	\$ 190,030,692
	1	302,096,391	\$ 62,930,315	\$ 20.83	\$ 20.83	\$ 62,930,315			\$ 6.28	\$ 18,964,758	\$ 14.55	\$ 43,965,557
TOTAL	51,462	1,542,082,719	\$ 392,897,054	\$ 25.48	\$ 25.48	\$ 392,897,054	29,965	\$ 7,635	\$ 10.30	\$ 158,900,805	\$ 15.17	\$ 233,996,249

GPA Work Session - March 21, 2019 - DIVISION REPORTS

GPA-318  
318Jan19

ENERGY ACCOUNT  
FY 2019 Versus FY 2018

FOR INTERNAL USE ONLY

	January 2019		January 2018		Y T D 2019		Y T D 2018		MOVING TWELVE MONTHS	
Gross Generation	31		31		123		61		365	
Number of days in Period	224		246		243		254		261	
Peak demand	01/24/19		01/23/18		10/12/18		10/30/17		08/01/17	
Date	KWH	% change	KWH	% change	KWH	% change	KWH	% change	KWH	% change
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	62,935,000		74,611,000		239,370,000		257,815,000		632,790,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	10,212,600		28,815,900		82,919,900		107,625,600		293,668,200	
MEC (ENRON) Piti 9 (IPP)	27,648,200		25,754,800		104,443,200		113,025,200		315,253,900	
TEMES Piti 7 (IPP)	2,583,184		72,887		26,586,706		5,383,752		61,516,451	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:										
MDI 10MW	0		0		68,932		21,414		1,347,776	
NRG Solar Dandan	3,639,790		4,083,783		15,131,873		14,680,379		46,752,840	
Dededo CT #1	70,430		0		2,715,410		384,400		14,137,080	
Dededo CT #2	57,170		0		3,467,100		77,300		15,616,270	
Macheche CT	6,038,757		1,907,232		20,488,891		14,835,702		54,007,930	
Yigo CT (Leased)	5,566,310		1,690,070		20,857,251		11,177,196		58,593,220	
Tenjo	800,140		2,459,640		8,693,880		13,064,170		37,127,840	
Talofofo 10 MW	1,799,520		1,183,650		3,408,640		3,626,880		13,093,660	
Aggreko	13,522,630		6,954,678		42,451,771		52,405,947		150,773,914	
Wind Turbine*	0		37,987		10,431		140,790		181,946	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	134,873,732		147,571,628		570,613,986		594,263,730		1,694,861,027	
Ratio to last year		91.40		103.23		96.02		101.69		95.60
Station use	5,393,681		6,012,924		21,945,362		22,868,264		61,793,039	
Ratio to Gross generation		4.00		4.07		3.85		3.85		3.65
Net send out	129,480,051		141,558,704		548,668,624		571,395,466		1,633,067,988	
Ratio to last year		91.47		103.29		96.02		101.87		95.63
KWH deliveries:										
Sales to Navy (@34.5kv)	24,517,651		26,722,147		102,509,341		106,873,123		302,096,390	
Ratio to last year		91.75		96.73		95.92		99.97		94.83
GPA-metered	104,962,400		114,836,557		446,159,283		464,522,343		1,330,971,598	
Ratio to last year		91.40		104.94		96.05		102.32		95.81
Power factor adj.	0		0		0		0		0	
Adjusted	104,962,400		114,836,557		446,159,283		464,522,343		1,330,971,598	
GPA KWH Accountability:										
Sales to civilian customers-accrual basis	98,071,914		107,159,724		414,296,261		434,901,904		1,239,986,327	
Ratio to last year		91.52		103.20		95.26		102.08		95.36
GPA use-KWH	368,413		349,269		1,381,223		1,214,262		4,054,530	
Unaccounted For	6,522,073		7,327,563		30,481,799		28,406,178		86,930,742	
Ratio to deliveries		6.21		6.38		6.83		6.12		6.53
Ratio to Gross Generation		4.84		4.97		5.34		4.78		5.13
Ratio to Net Send Out		5.04		5.18		5.56		4.97		5.32

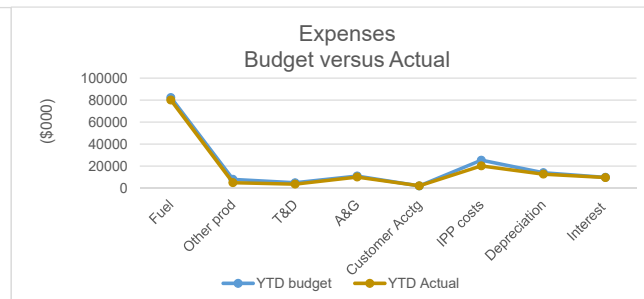
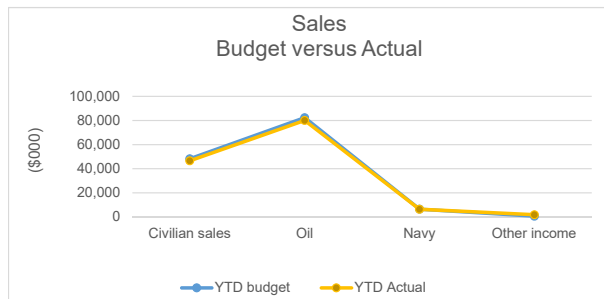
GPA-317Jan19

**Guam Power Authority**  
**Fuel Consumption**  
**FY 2019**

Description	January 2019		YEAR-TO-DATE		MOVING 12 MONTHS	
	BARRELS	AMOUNT	BARRELS	AMOUNT	BARREL S	AMOUNT
<b>FUEL FURNISHED:</b>						
<b>NAVY:</b>						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	0	0	0
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GPA:</b>						
RFO	101,046	\$7,926,538	326,977	\$ 25,316,994	1,232,505	\$ 85,818,366
Diesel	63,215	\$6,082,554	274,526	\$ 26,890,167	853,839	\$ 80,609,926
Low Sulfur	52,975	\$4,480,724	323,857	\$ 27,382,405	649,814	\$ 48,597,008
Deferred Fuel Costs	0	-\$961,809	0	\$ (4,966,157)	0	\$ 3,439,284
Fuel Adjustments	0	\$42,881	0	\$ 49,334	0	\$ (177,219)
Fuel Handling Costs	0	\$1,250,735	0	\$ 5,378,690	0	\$ 16,488,173
	<b>217,235</b>	<b>\$18,821,624</b>	<b>925,359</b>	<b>\$ 80,051,433</b>	<b>2,736,159</b>	<b>\$ 234,775,539</b>
<b>IWPS:</b>						
GPA RFO	101,046	\$7,926,538	326,977	\$ 25,316,994	1,232,505	\$ 85,818,366
Diesel	63,215	\$6,082,554	274,526	\$ 26,890,167	853,839	\$ 80,609,926
Low Sulfur	52,975	\$4,480,724	323,857	\$ 27,382,405	649,814	\$ 48,597,008
Deferred Fuel Costs	0	-\$961,809	0	\$ (4,966,157)	0	\$ 3,439,284
Fuel Variance	0	\$42,881	0	\$ 49,334	0	\$ (177,219)
Fuel Handling Costs	0	\$1,250,735	0	\$ 5,378,690	0	\$ 16,488,173
	<b>217,235</b>	<b>\$18,821,624</b>	<b>925,359</b>	<b>\$ 80,051,433</b>	<b>2,736,159</b>	<b>\$ 234,775,539</b>
<b>AVERAGE COST/Bbl.</b>						
GPA RFO		<b>\$78.44</b>		<b>\$77.43</b>		<b>\$69.63</b>
Diesel		<b>\$96.22</b>		<b>\$97.95</b>		<b>\$94.41</b>
Low Sulfur		<b>\$84.58</b>		<b>\$84.55</b>		<b>\$74.79</b>
<b>AS BURNED</b>						
<b>Cabras 1 &amp; 2</b>						
RFO	81,346	\$ 6,382,105	296,844	\$ 22,975,069	774,105	\$ 54,887,921
Low Sulfur	21,569	\$ 1,822,513	106,966	\$ 8,970,460	298,146	\$ 21,448,385
Diesel	<u>246</u>	<u>\$ 23,998</u>	<u>651</u>	<u>\$ 63,878</u>	<u>2,632</u>	<u>\$ 235,356</u>
	103,161	\$ 8,228,616	404,462	\$ 32,009,406	1,074,883	\$ 76,571,661
<b>Cabras 3 &amp; 4</b>						
RFO	0	\$ -	0	\$ -	0	\$ -
Low Sulfur	0	\$ -	0	\$ -	0	\$ -
Diesel	<u>0</u>	<u>\$ -</u>	<u>0</u>	<u>\$ -</u>	<u>0</u>	<u>\$ -</u>
	0	\$ -	0	\$ -	0	\$ -
<b>MEC (Piti Units 8&amp;9)</b>						
RFO	19,700	\$ 1,544,433	30,132	\$ 2,341,925	458,400	\$ 30,930,446
Low Sulfur	31,406	\$ 2,658,211	216,890	\$ 18,411,945	351,669	\$ 27,148,623
Diesel	<u>0</u>	<u>\$ -</u>	<u>8</u>	<u>\$ 583</u>	<u>37</u>	<u>\$ 2,647</u>
	51,106	\$ 4,202,644	247,031	\$ 20,754,453	810,106	\$ 58,081,717
<b>Diesel &amp; CT's - GPA:</b>						
MDI Dsl	0	\$ -	108	\$ 8,132	2,237	\$ 159,342
Macheche CT	13,012	\$ 1,282,818	43,800	\$ 4,318,049	115,365	\$ 10,849,004
Yigo CT	12,656	\$ 1,226,205	45,033	\$ 4,404,756	124,672	\$ 11,821,823
Talofofo 10 MW	3,125	\$ 287,436	5,930	\$ 549,085	22,145	\$ 2,025,451
Aggreko	25,517	\$ 2,438,251	78,630	\$ 7,535,602	278,393	\$ 26,178,056
Tenjo	1,475	\$ 162,705	15,627	\$ 1,660,883	64,436	\$ 6,343,640
TEMES (IPP)	6,759	\$ 619,632	66,128	\$ 6,583,815	154,766	\$ 14,808,519
GWA Generators	<u>7</u>	<u>\$ 880</u>	<u>204</u>	<u>\$ 26,296</u>	<u>1,625</u>	<u>\$ 193,362</u>
	62,968	\$ 6,058,556	273,866	\$ 26,825,706	851,170	\$ 80,371,923
Deferred Fuel Costs	0	\$ (961,809)	0	\$ (4,966,157)	0	\$ 3,439,284
Adjustment	0	\$ 42,881	0	\$ 49,334	0	\$ (177,219)
Fuel Handling Costs	<u>0</u>	<u>\$ 1,250,735</u>	<u>0</u>	<u>\$ 5,378,690</u>	<u>0</u>	<u>\$ 16,488,173</u>
<b>TOTAL</b>	<b>217,235</b>	<b>\$ 18,821,624</b>	<b>925,359</b>	<b>\$ 80,051,433</b>	<b>2,736,159</b>	<b>\$ 234,775,539</b>



Statement of operations Comparison-Budget versus Actual For the month and year to date ended January 31, 2019						
	Budget	Actual January-19	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	104,719	98,072	6,647	429,584	414,296	15,288
Non-fuel yield	\$ 0.105586	\$ 0.113376	\$ (0.007790)	\$ 0.105586	\$ 0.112316	\$ (0.006730)
KwH Sales-Navy	26,828	24,518	2,310	103,821	102,509	1,312
Non-fuel yield	\$ 0.062350	\$ 0.061057	\$ 0.001293	\$ 0.062350	\$ 0.061643	\$ 0.000707
Operating revenue						
Civilian sales	\$ 11,648	\$ 11,119	\$ 529	\$ 48,214	\$ 46,532	\$ 1,682
Oil	20,290	18,822	1,468	82,273	80,052	2,221
Navy	1,673	1,497	176	6,473	6,319	154
Other income	168	1,090	(922)	673	1,854	(1,181)
	33,780	32,528	1,252	137,634	134,757	2,876
Bad debts expense	92	92	-	366	366	-
Total operating revenues	\$ 33,688	\$ 32,436	\$ 1,252	\$ 137,268	\$ 134,391	\$ 2,876
Operating expenses:						
Production fuel	\$ 20,290	\$ 18,822	\$ 1,468	\$ 82,273	\$ 80,051	\$ 2,222
O & M expenses:						
Other production	1,980	1,230	750	7,947	4,891	3,056
Transmission distribution	1,409	1,050	358	4,860	3,584	1,277
Administrative expense	3,049	2,518	531	10,989	10,027	962
Customer accounting	445	510	(64)	1,611	1,720	(108)
	6,882	5,308	1,575	25,407	20,222	5,186
IPP costs	1,347	1,692	(344)	5,389	5,913	(523)
Depreciation	3,501	2,849	653	14,005	12,733	1,272
	\$ 32,021	\$ 28,670	\$ 3,351	\$ 127,075	\$ 118,919	\$ 8,157
Operating income	\$ 1,667	\$ 3,767	\$ (2,100)	\$ 10,193	\$ 15,473	\$ (5,280)
Other revenue (expenses):						
Investment income	177	398	(221)	708	1,283	(575)
Interest expense	(2,454)	(2,426)	(28)	(9,815)	(9,604)	(211)
AFUDC	202	-	202	807	-	807
Bid bond forfeiture	-	-	-	-	(1,245)	1,245
Losses due to typhoon	-	(67)	67	-	(283)	283
Bond issuance costs/Other expenses	142	84	59	569	334	236
Net income before capital contribution	(266)	1,755	(2,022)	2,462	5,957	(3,497)
Grants from the U.S. Government	-	29	(29)	-	29	(29)
Increase (decrease) in net assets	\$ (266)	\$ 1,784	\$ (2,051)	\$ 2,462	\$ 5,986	\$ (3,525)



**Guam Power Authority**  
**Debt service coverage**  
**January 31, 2019**

	2015	2016	Restated 2017	Unaudited 2018	YTD Unaudited 2019
<b>Funds Available for Debt Service</b>					
Earnings from Operations	\$ 48,758	\$ 37,981	\$ 36,522	\$ 40,725	\$ 15,472
Interest Income	368	1,227	(32)	1,254	780
Depreciation Expense	41,766	44,240	44,292	38,550	12,733
Balance Available for Debt Service	\$ 90,892	\$ 83,448	\$ 80,782	\$ 80,529	\$ 28,985
<b>IPP - Capital Costs</b>					
Principal	\$ 18,144	\$ 14,819	\$ 21,263	\$ 23,210	\$ 8,439
Interest	8,478	5,970	5,137	3,159	464
Total IPP Payments	\$ 26,622	\$ 20,789	\$ 26,400	\$ 26,369	\$ 8,903
<b>Bond Debt Service</b>					
Principal (1993 & 1999 Revenue Bond)	\$ -	\$ -	\$ -	\$ -	\$ -
Interest (1993 & 1999 Revenue Bond)	-	-	-	-	-
Principal and Interest (2010 Subordinate Bond)	9,605	-	-	-	-
Principal and Interest (2010 Senior TE Bond)	7,999	7,999	7,999	2,000	-
Principal and Interest (2012 Senior TE Bond)	17,096	17,098	17,449	17,086	10,489
Principal and Interest (2014 Senior TE Bond)	-	10	5,084	5,083	1,695
Principal and Interest (2017 Senior TE Bond)	-	-	-	5,916	2,536
Total	\$ 34,700	\$ 25,107	\$ 30,532	\$ 30,086	\$ 14,719
<b>Debt Service Coverage (DSC) Calculation</b>					
Existing DSC Methodology (Senior)	2.56 x	2.50 x	1.78 x	1.80 x	1.36 x
Existing DSC Methodology (Senior+Subordinate)	1.85 x	2.50 x	1.78 x	1.80 x	1.36 x
Bond Covenant DSC	2.62 x	3.32 x	2.65 x	2.68 x	1.97 x
<b>Debt Service Coverage Requirements</b>					
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75 x
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30 x
Minimum Bond Covenant Requirement (Subordinate Bond)	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x

## Notes:

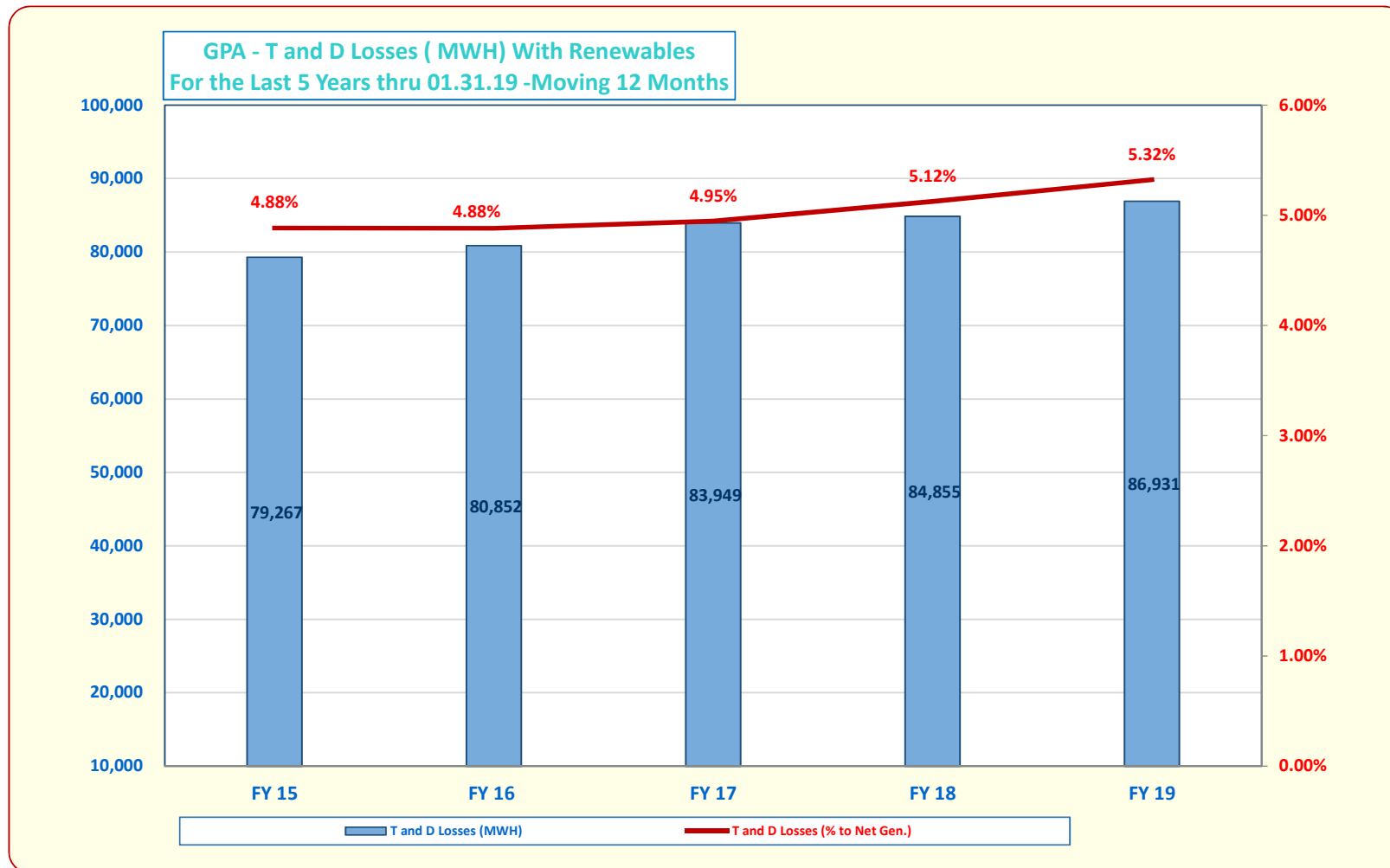
- (1) Source: Guam Power Authority, 2014 - 2017 Audited Financial Statements
- (2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit.
- (3) Existing DSC Methodology (Rating Agency Method):  
 (Operating Earnings + Depreciation Expense - IPP Principal & Interest Payments)/  
 (Senior and Subordinate Bond Principal & Interest Payments)
- (4) Bond Covenant DSC Methodology: (Operating Earnings + Depreciation Expense)/  
 (Senior and Subordinate Bond Principal & Interest Payments)

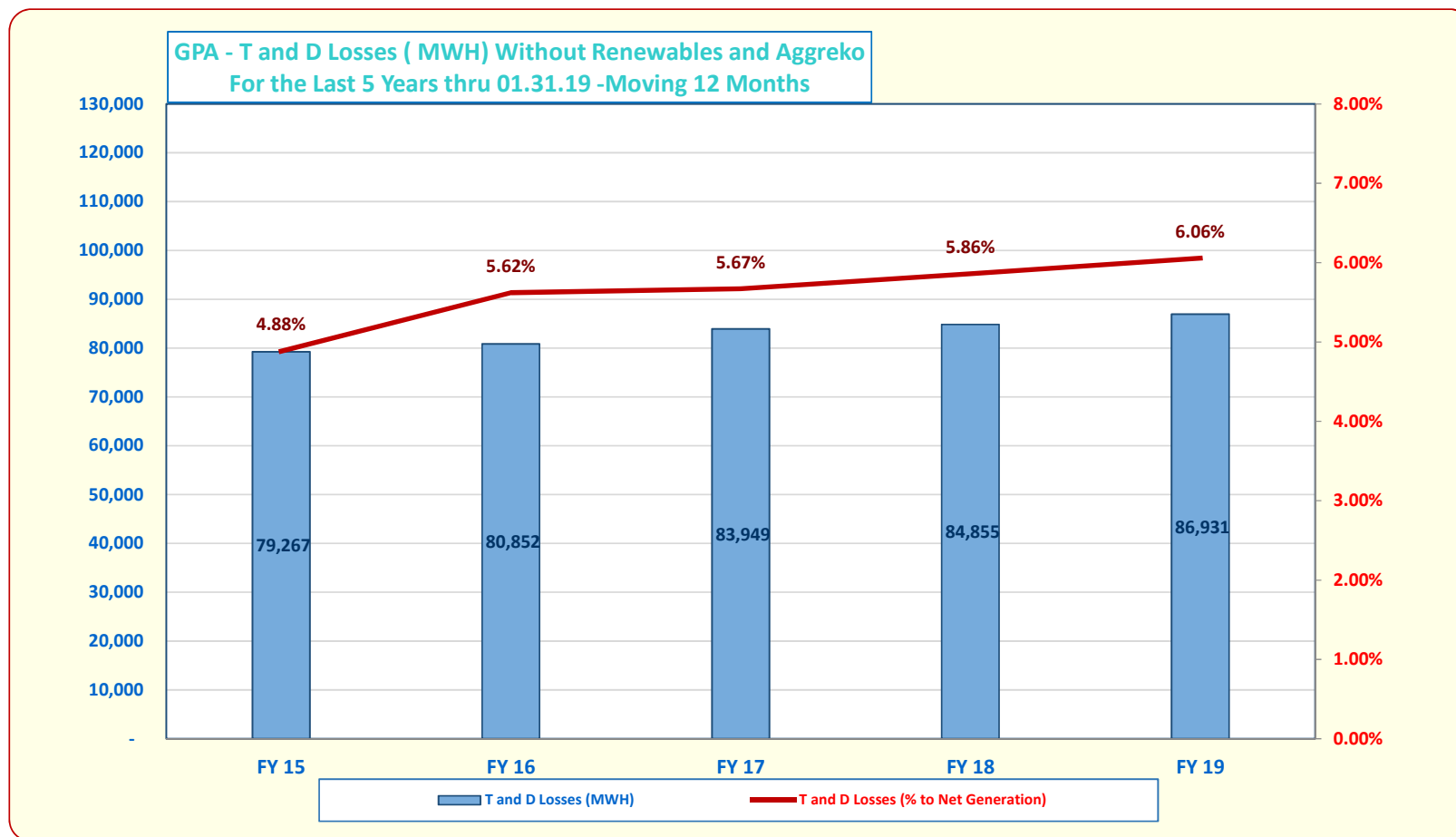
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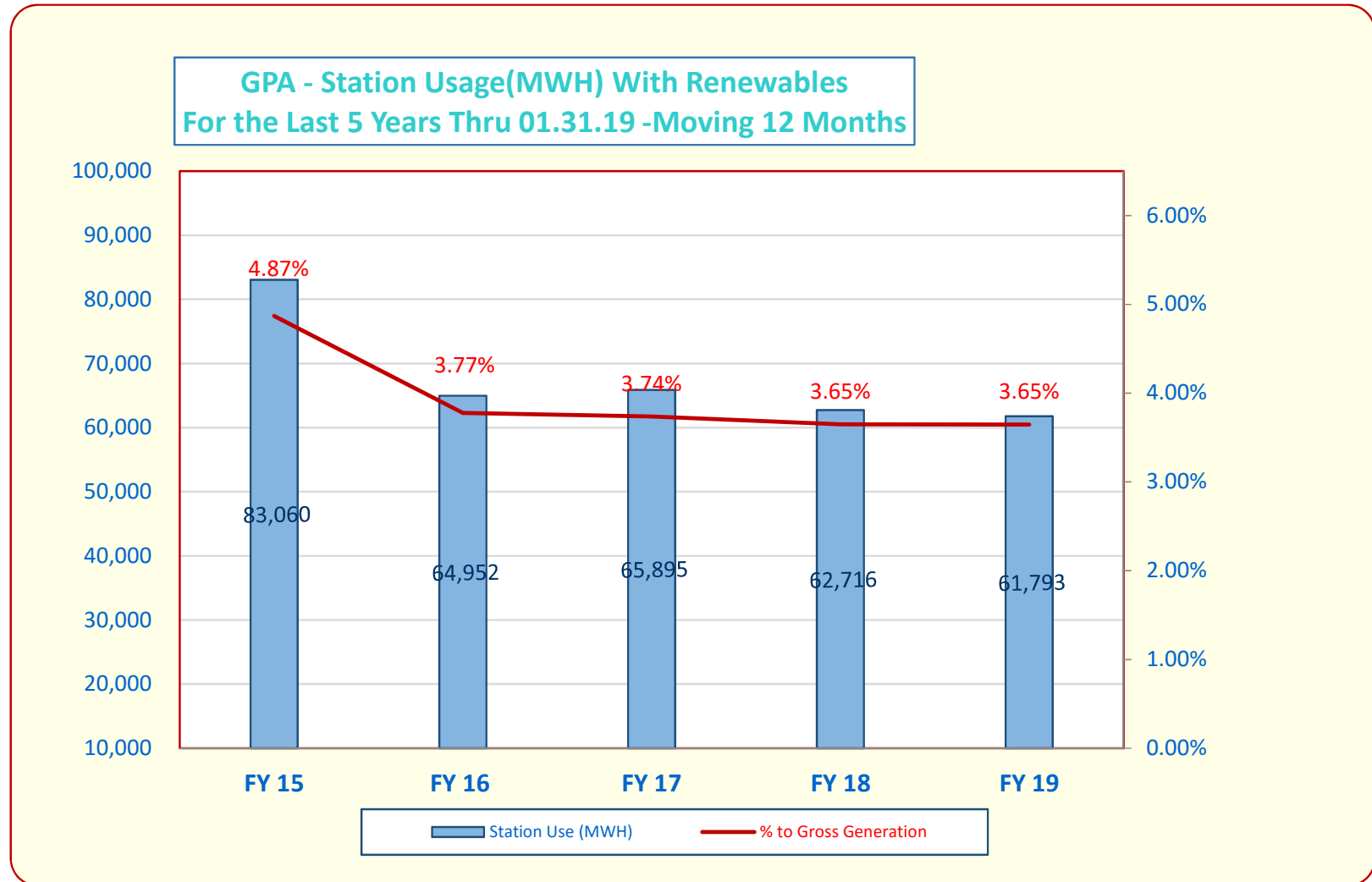
REVENUES-ACTUAL VS PROJECTIONS								
MONTHLY - JANUARY 2019					YTD THRU 01/31/19			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	40,158,431	36,661,215	(3,497,216)	-8.71%	166,774,222	161,295,534	(5,478,688)	-3.29%
Small General-Non-Demand	6,782,163	6,252,665	(529,497)	-7.81%	27,883,304	26,624,489	(1,258,815)	-4.51%
Small General-Demand	15,222,991	14,926,054	(296,938)	-1.95%	61,844,151	61,038,723	(805,428)	-1.30%
Large	26,867,829	24,846,497	(2,021,332)	-7.52%	106,994,997	101,649,800	(5,345,197)	-5.00%
Independent Power Producers	46,946	36,117	(10,829)	-23.07%	186,952	131,003	(55,949)	-29.93%
Private St. Lites	30,957	32,878	1,921	6.21%	150,242	133,794	(16,448)	-10.95%
Sub-total	89,109,317	82,755,426	(6,353,890)	-7.13%	363,833,868	350,873,343	(12,960,524)	-3.56%
Government								
Small_Non Demand	1,124,611	1,066,520	(58,091)	-5.17%	4,710,599	4,613,854	(96,745)	-2.05%
Small-Demand	7,839,034	7,752,635	(86,399)	-1.10%	32,642,941	31,704,633	(938,308)	-2.87%
Large	6,152,203	5,782,397	(369,806)	-6.01%	25,258,160	24,226,172	(1,031,988)	-4.09%
Public St. Lites	494,021	714,935	220,913	44.72%	3,138,700	2,878,259	(260,441)	-8.30%
Sub-total	15,609,870	15,316,487	(293,382)	-1.88%	65,750,399	63,422,917	(2,327,482)	-3.54%
Total-Civilian	104,719,186	98,071,914	(6,647,273)	-6.35%	429,584,267	414,296,261	(15,288,006)	-3.56%
USN	26,828,048	24,517,651	(2,310,397)	-8.61%	103,820,512	102,509,341	(1,311,171)	-1.26%
Grand Total	131,547,234	122,589,564	(8,957,670)	-6.81%	533,404,779	516,805,602	(16,599,178)	-3.11%
Non-Oil Yield								
Residential	0.096102	0.094236	(0.001866)	-1.94%	0.096102	0.095866	(0.000236)	-0.25%
Small General-Non-Demand	0.136352	0.140688	0.004336	3.18%	0.136352	0.138021	0.001669	1.22%
Small General-Demand	0.119289	0.122886	0.003597	3.02%	0.119289	0.120453	0.001164	0.98%
Large	0.103671	0.105430	0.001759	1.70%	0.103671	0.103593	(0.000078)	-0.08%
Independent Power Producers	0.120485	0.131403	0.010918	0.00%	0.120485	0.131202	0.010717	0.00%
Private St. Lites	0.568458	0.639588	0.071130	12.51%	0.568458	0.624431	0.055973	9.85%
Sub-total	0.105586	0.106507	0.000921	0.87%	0.105561	0.105795	0.000234	0.22%
Government					-			
Small_Non Demand	0.150024	0.153566	0.003542	2.36%	0.150024	0.150318	0.000294	0.20%
Small-Demand	0.134359	0.135727	0.001368	1.02%	0.134359	0.133420	(0.000939)	-0.70%
Large	0.126658	0.126950	0.000292	0.23%	0.126658	0.123550	(0.003108)	-2.45%
Public St. Lites	0.482817	0.496950	0.014133	2.93%	0.482817	0.519341	0.036524	7.56%
Sub-total	0.143480	0.150517	0.007036	4.90%	0.149157	0.148393	(0.000764)	-0.51%
Total-Civilian	0.154242	0.113380	(0.040862)	-26.49%	0.154242	0.112316	(0.041926)	-27.18%
USN	0.062350	0.061052	(0.001298)	-2.08%	0.062350	0.061642	(0.000708)	-1.14%
Grand Total	0.101265	0.102915	0.001650	1.63%	0.102525	0.102265	(0.000260)	-0.25%
Non-Oil Revenues								
Residential	3,859,305	3,454,800	(404,506)	-10.48%	16,027,336	15,462,700	(564,636)	-3.52%
Small General-Non-Demand	924,761	879,676	(45,085)	-4.88%	3,801,944	3,674,741	(127,203)	-3.35%
Small General-Demand	1,815,935	1,834,209	18,274	1.01%	7,377,327	7,352,322	(25,005)	-0.34%
Large	2,785,415	2,619,572	(165,843)	-5.95%	11,092,278	10,530,202	(562,076)	-5.07%
Independent Power Producers	5,656	4,746	(910)	-16.10%	22,525	17,188	(5,337)	-23.69%
Private St. Lites	17,598	21,029	3,431	19.50%	85,406	83,545	(1,861)	-2.18%
Sub-total	9,408,671	8,814,031	(594,640)	-6.32%	38,406,817	37,120,698	(1,286,119)	-3.35%
Government								
Small_Non Demand	168,719	163,781	(4,937)	-2.93%	706,703	693,547	(13,156)	-1.86%
Small-Demand	1,053,245	1,052,241	(1,004)	-0.10%	4,385,873	4,230,041	(155,832)	-3.55%
Large	779,226	734,076	(45,149)	-5.79%	3,199,148	2,993,145	(206,003)	-6.44%
Public St. Lites	238,522	355,287	116,765	48.95%	1,515,418	1,494,797	(20,620)	-1.36%
Sub-total	2,239,711	2,305,386	65,675	2.93%	9,807,141	9,411,531	(395,610)	-4.03%
Total-Civilian	11,648,382	11,119,417	(528,965)	-4.54%	48,213,958	46,532,229	(1,681,729)	-3.49%
USN	1,672,729	1,496,858	(175,871)	-10.51%	6,473,209	6,318,871	(154,337)	-2.38%
Grand Total	13,321,111	12,616,275	(704,836)	-5.29%	54,687,167	52,851,101	(1,836,066)	-3.36%
% of Total Revenues	39.63%	40.13%			39.93%	39.77%		
Oil Revenues								
Residential	6,194,117	5,654,699	(539,418)	-8.71%	25,723,590	24,878,546	(845,044)	-3.29%
Small General-Non-Demand	1,046,094	964,424	(81,671)	-7.81%	4,300,777	4,106,614	(194,162)	-4.51%
Small General-Demand	2,348,025	2,301,253	(46,772)	-1.99%	9,538,966	9,410,768	(128,198)	-1.34%
Large	4,144,148	3,814,395	(329,753)	-7.96%	16,503,122	15,604,651	(898,472)	-5.44%
Independent Power Producers	7,241	5,371	(1,870)	-25.83%	28,836	19,490	(9,346)	-32.41%
Private St. Lites	4,775	5,071	296	6.21%	23,174	20,637	(2,537)	-10.95%
Sub-total	13,744,399	12,745,212	(999,187)	-7.27%	56,118,463	54,040,705	(2,077,758)	-3.70%
Government								
Small_Non Demand	173,462	164,502	(8,960)	-5.17%	726,572	711,650	(14,922)	-2.05%
Small-Demand	1,209,108	1,195,782	(13,326)	-1.10%	5,034,912	4,890,186	(144,727)	-2.87%
Large	948,928	880,856	(68,072)	-7.17%	3,895,869	3,691,508	(204,361)	-5.25%
Public St. Lites	76,199	110,273	34,074	44.72%	484,119	443,948	(40,171)	-8.30%
Sub-total	2,407,698	2,351,413	(56,284)	-2.34%	10,141,473	9,737,292	(404,181)	-3.99%
Total-Civilian	16,152,097	15,096,625	(1,055,471)	-6.53%	66,259,937	63,777,997	(2,481,939)	-3.75%
USN	4,138,012	3,724,999	(413,013)	-9.98%	16,013,483	16,273,436	259,953	1.62%
Grand Total	20,290,108	18,821,624	(1,468,484)	-7.24%	82,273,420	80,051,434	(2,221,986)	-2.70%
% of Total Revenues	60.37%	59.87%			60.07%	60.23%		
Grand Total								
Residential	10,053,422	9,109,499	(943,923)	-9.39%	41,750,926	40,341,246	(1,409,680)	-3.38%
Small General-Non-Demand	1,970,856	1,844,100	(126,756)	-6.43%	8,102,721	7,781,355	(321,365)	-3.97%
Small General-Demand	4,163,960	4,135,462	(28,498)	-0.68%	16,916,292	16,763,089	(153,203)	-0.91%
Large	6,929,562	6,433,966	(495,596)	-7.15%	27,595,401	26,134,853	(1,460,548)	-5.29%
Independent Power Producers	12,897	10,117	(2,781)	-21.56%	51,361	36,678	(14,683)	-28.59%
Private St. Lites	22,372	26,100	3,727	16.66%	108,580	104,182	(4,398)	-4.05%
Sub-total	23,153,070	21,559,243	(1,593,827)	-6.88%	94,525,280	91,161,403	(3,363,877)	-3.56%
Government					-			
Small_Non Demand	342,181	328,284	(13,897)	-4.06%	1,433,275	1,405,197	(28,078)	-1.96%
Small-Demand	2,262,353	2,248,023	(14,330)	-0.63%	9,420,785	9,120,227	(300,558)	-3.19%
Large	1,728,154	1,614,932	(113,221)	-6.55%	7,095,017	6,684,653	(410,364)	-5.78%
Public St. Lites	314,721	465,560	150,839	47.93%	1,999,537	1,938,746	(60,791)	-3.04%
Sub-total	4,647,409	4,656,799	9,390	0.20%	19,948,614	19,148,823	(799,791)	-4.01%
Total-Civilian	27,800,479	26,216,042	(1,584,437)	-5.70%	114,473,895	110,310,227	(4,163,668)	-3.64%
USN	5,810,741	5,221,857	(588,884)	-10.13%	22,486,692	22,592,308	105,615	0.47%
Grand Total	33,611,219	31,437,899	(2,173,321)	-6.47%	136,960,587	132,902,534	(4,058,053)	-2.96%

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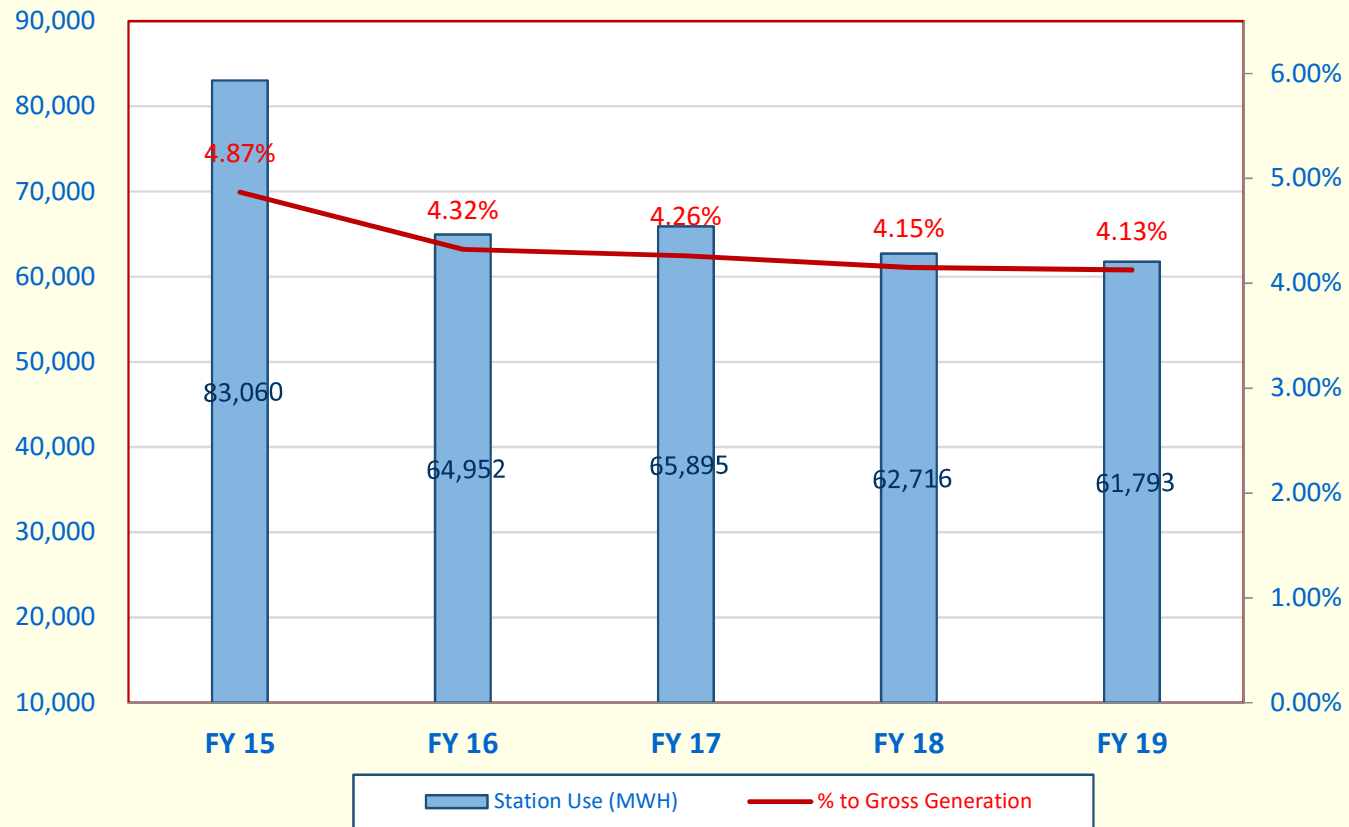
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 4 MONTHS ENDED JANUARY 31				ACTUALS - MONTH ENDED JANUARY 31			
	2019	2018	VARIANCE	% VARIANCE	2019	2018	VARIANCE	% VARIANCE
<b>KWH</b>								
Residential	161,295,534	170,444,561	(9,149,027)	-5.37%	36,661,215	42,067,765	(5,406,550)	-12.85%
Small General-Non-Demand	26,624,489	27,928,173	(1,303,685)	-4.67%	6,252,665	6,844,713	(592,048)	-8.65%
Small General-Demand	61,038,723	62,992,803	(1,954,080)	-3.10%	14,926,054	15,562,774	(636,720)	-4.09%
Large	101,649,800	106,578,875	(4,929,075)	-4.62%	24,846,497	26,242,185	(1,395,688)	-5.32%
Independent Power Producers	131,003	253,218	(122,214)	-48.26%	36,117	27,011	9,106	33.71%
Private St. Lites	133,794	136,380	(2,585)	-1.90%	32,878	32,358	520	1.61%
<b>Sub-total</b>	<b>350,873,343</b>	<b>368,334,010</b>	<b>(17,460,667)</b>	<b>-4.74%</b>	<b>82,755,426</b>	<b>90,776,805</b>	<b>(8,021,379)</b>	<b>-8.84%</b>
Government								
Small_Non Demand	4,613,854	5,027,020	(413,166)	-8.22%	1,066,520	1,248,251	(181,731)	-14.56%
Small-Demand	31,704,633	32,548,722	(844,090)	-2.59%	7,752,635	8,102,981	(350,346)	-4.32%
Large	24,226,172	26,096,751	(1,870,579)	-7.17%	5,782,397	6,315,619	(533,222)	-8.44%
Public St. Lites	2,878,259	2,895,401	(17,143)	-0.59%	714,935	716,067	(1,132)	-0.16%
<b>Sub-total</b>	<b>63,422,917</b>	<b>66,567,894</b>	<b>(3,144,977)</b>	<b>-4.72%</b>	<b>15,316,487</b>	<b>16,382,918</b>	<b>(1,066,431)</b>	<b>-6.51%</b>
<b>Total-Civilian</b>	<b>414,296,261</b>	<b>434,901,904</b>	<b>(20,605,644)</b>	<b>-4.74%</b>	<b>98,071,914</b>	<b>107,159,724</b>	<b>(9,087,810)</b>	<b>-8.48%</b>
USN	102,509,341	106,873,123	(4,363,782)	-4.08%	24,517,651	26,722,147	(2,204,496)	-8.25%
<b>Grand Total</b>	<b>516,805,602</b>	<b>541,775,027</b>	<b>(24,969,425)</b>	<b>-4.61%</b>	<b>122,589,564</b>	<b>133,881,870</b>	<b>(11,292,306)</b>	<b>-8.43%</b>
<b>Non-Oil Yield</b>								
Residential	0.095866	0.095880	-0.000014	-0.01%	0.094236	0.095870	-0.001634	-1.70%
Small General-Non-Demand	0.138021	0.136122	0.001899	1.40%	0.140688	0.136774	0.003915	2.86%
Small General-Demand	0.120453	0.119507	0.000946	0.79%	0.122886	0.120986	0.001901	1.57%
Large	0.103593	0.102670	0.000923	0.90%	0.105430	0.102474	0.002956	2.88%
Independent Power Producers	0.131202	0.103737	0.027465	26.48%	0.131403	0.109730	0.021673	19.75%
Private St. Lites	0.624431	0.625845	-0.001414	-0.23%	0.639588	0.658996	-0.019408	-2.95%
<b>Sub-total</b>	<b>0.105795</b>	<b>0.105138</b>	<b>0.000657</b>	<b>0.62%</b>	<b>0.106507</b>	<b>0.105374</b>	<b>0.001133</b>	<b>1.08%</b>
Government								
Small_Non Demand	0.150318	0.149218	0.001101	0.74%	0.153566	0.148602	0.004965	3.34%
Small-Demand	0.133420	0.133426	-0.000006	0.00%	0.135727	0.131193	0.004534	3.46%
Large	0.123550	0.125467	-0.001917	-1.53%	0.126950	0.125355	0.001595	1.27%
Public St. Lites	0.519341	0.472609	0.046731	9.89%	0.496950	0.479268	0.017682	3.69%
<b>Sub-total</b>	<b>0.148393</b>	<b>0.146251</b>	<b>0.002142</b>	<b>1.46%</b>	<b>0.150517</b>	<b>0.145483</b>	<b>0.005034</b>	<b>3.46%</b>
<b>Total-Civilian</b>	<b>0.112316</b>	<b>0.111431</b>	<b>0.000885</b>	<b>0.79%</b>	<b>0.113380</b>	<b>0.111506</b>	<b>0.001874</b>	<b>1.68%</b>
USN	0.061642	0.060755	0.000887	1.46%	0.061052	0.059813	0.001239	2.07%
<b>Grand Total</b>	<b>0.102265</b>	<b>0.101434</b>	<b>0.000830</b>	<b>0.82%</b>	<b>0.102915</b>	<b>0.101188</b>	<b>0.001726</b>	<b>1.71%</b>
<b>Non-Oil Revenues</b>								
Residential	15,462,700	16,342,204	(879,504)	-5.38%	3,454,800	4,033,046	(578,246)	-14.34%
Small General-Non-Demand	3,674,741	3,801,641	(126,900)	-3.34%	879,676	936,176	(56,500)	-6.04%
Small General-Demand	7,352,322	7,528,091	(175,770)	-2.33%	1,834,209	1,882,875	(48,666)	-2.58%
Large	10,530,202	10,942,404	(412,201)	-3.77%	2,619,572	2,689,144	(69,572)	-2.59%
Independent Power Producers	17,188	26,268	(9,080)	-34.57%	4,746	2,964	1,782	60.12%
Private St. Lites	83,545	85,352	(1,807)	-2.12%	21,029	21,324	(295)	-1.38%
<b>Sub-total</b>	<b>37,120,698</b>	<b>38,725,960</b>	<b>(1,605,262)</b>	<b>-4.15%</b>	<b>8,814,031</b>	<b>9,565,529</b>	<b>(751,498)</b>	<b>-7.86%</b>
Government								
Small_Non Demand	693,547	750,121	(56,574)	-7.54%	163,781	185,492	(21,711)	-11.70%
Small-Demand	4,230,041	4,342,844	(112,803)	-2.60%	1,052,241	1,063,056	(10,815)	-1.02%
Large	2,993,145	3,274,285	(281,140)	-8.59%	734,076	791,693	(57,617)	-7.28%
Public St. Lites	1,494,797	1,368,394	126,403	9.24%	355,287	343,188	12,099	3.53%
<b>Sub-total</b>	<b>9,411,531</b>	<b>9,735,644</b>	<b>(324,113)</b>	<b>-3.33%</b>	<b>2,305,386</b>	<b>2,383,429</b>	<b>(78,043)</b>	<b>-3.27%</b>
<b>Total-Civilian</b>	<b>46,532,229</b>	<b>48,461,605</b>	<b>(1,929,375)</b>	<b>-3.98%</b>	<b>11,119,417</b>	<b>11,948,958</b>	<b>(829,541)</b>	<b>-6.94%</b>
USN	6,318,871	6,493,050	(174,179)	-2.68%	1,496,858	1,598,334	(101,476)	-6.35%
<b>Grand Total</b>	<b>52,851,101</b>	<b>54,954,655</b>	<b>(2,103,554)</b>	<b>-3.83%</b>	<b>12,616,275</b>	<b>13,547,291</b>	<b>(931,017)</b>	<b>-6.87%</b>
% of Total Revenues								
<b>Oil Revenues</b>								
Residential	24,878,546	20,064,393	4,814,153	23.99%	5,654,699	4,952,133	702,566	14.19%
Small General-Non-Demand	4,106,614	3,287,649	818,966	24.91%	964,424	805,746	158,678	19.69%
Small General-Demand	9,410,768	7,412,905	1,997,863	26.95%	2,301,253	1,831,383	469,870	25.66%
Large	15,604,651	12,482,842	3,121,808	25.01%	3,814,395	3,073,169	741,225	24.12%
Independent Power Producers	19,490	28,807	(9,317)	-32.34%	5,371	3,065	2,306	75.24%
Private St. Lites	20,637	16,054	4,582	28.54%	5,071	3,809	1,262	33.13%
<b>Sub-total</b>	<b>54,040,705</b>	<b>43,292,650</b>	<b>10,748,055</b>	<b>24.83%</b>	<b>12,745,212</b>	<b>10,669,305</b>	<b>2,075,907</b>	<b>19.46%</b>
Government								
Small_Non Demand	711,650	591,771	119,879	20.26%	164,502	146,942	17,561	11.95%
Small-Demand	4,890,186	3,831,570	1,058,615	27.63%	1,195,782	953,867	241,915	25.36%
Large	3,691,508	3,034,725	656,783	21.64%	880,856	734,077	146,779	19.99%
Public St. Lites	443,948	340,841	103,108	30.25%	110,273	84,294	25,979	30.82%
<b>Sub-total</b>	<b>9,737,292</b>	<b>7,798,907</b>	<b>1,938,385</b>	<b>24.85%</b>	<b>2,351,413</b>	<b>1,919,180</b>	<b>432,233</b>	<b>22.52%</b>
<b>Total-Civilian</b>	<b>63,777,997</b>	<b>51,091,557</b>	<b>12,686,440</b>	<b>24.83%</b>	<b>15,096,625</b>	<b>12,588,485</b>	<b>2,508,140</b>	<b>19.92%</b>
USN	16,273,436	12,288,141	3,985,295	32.43%	3,724,999	3,434,770	290,229	8.45%
<b>Grand Total</b>	<b>80,051,434</b>	<b>63,379,698</b>	<b>16,671,735</b>	<b>26.30%</b>	<b>18,821,624</b>	<b>16,023,254</b>	<b>2,798,370</b>	<b>17.46%</b>
% of Total Revenues								
<b>Grand Total</b>								
Residential	40,341,246	36,406,597	3,934,649	10.81%	9,109,499	8,985,179	124,320	1.38%
Small General-Non-Demand	7,781,355	7,089,289	692,066	9.76%	1,844,100	1,741,922	102,178	5.87%
Small General-Demand	16,763,089	14,940,996	1,822,093	12.20%	4,135,462	3,714,258	421,204	11.34%
Large	26,134,853	23,425,246	2,709,607	11.57%	6,433,966	5,762,313	671,653	11.66%
Independent Power Producers	36,678	55,075	(18,397)	-33.40%	10,117	6,029	4,088	67.81%
Private St. Lites	104,182	101,407	2,775	2.74%	26,100	25,133	967	3.85%
<b>Sub-total</b>	<b>91,161,403</b>	<b>82,018,610</b>	<b>9,142,793</b>	<b>11.15%</b>	<b>21,559,243</b>	<b>20,234,834</b>	<b>1,324,409</b>	<b>6.55%</b>
Government								
Small_Non Demand	1,405,197	1,341,892	63,305	4.72%	328,284	332,434	(4,150)	-1.25%
Small-Demand	9,120,227	8,174,415	945,812	11.57%	2,248,023	2,016,922	231,101	11.46%
Large	6,684,653	6,309,010	375,643	5.95%	1,614,932	1,525,771	89,162	5.84%
Public St. Lites	1,938,766	1,709,235	229,531	13.43%	465,560	427,482	38,078	8.91%
<b>Sub-total</b>	<b>19,148,823</b>	<b>17,534,551</b>	<b>1,614,272</b>	<b>9.21%</b>	<b>4,656,799</b>	<b>4,302,609</b>	<b>354,190</b>	<b>8.23%</b>
<b>Total-Civilian</b>	<b>110,310,227</b>	<b>99,553,161</b>	<b>10,757,065</b>	<b>10.81%</b>	<b>26,216,042</b>	<b>24,537,443</b>	<b>1,678,599</b>	<b>6.84%</b>
USN	22,592,308	18,781,192	3,811,116	20.29%	5,221,857	5,033,103	188,754	3.75%
<b>Grand Total</b>	<b>132,902,534</b>	<b>118,334,353</b>	<b>14,568,181</b>	<b>12.31%</b>	<b>31,437,899</b>	<b>29,570,546</b>	<b>1,867,353</b>	<b>6.31%</b>



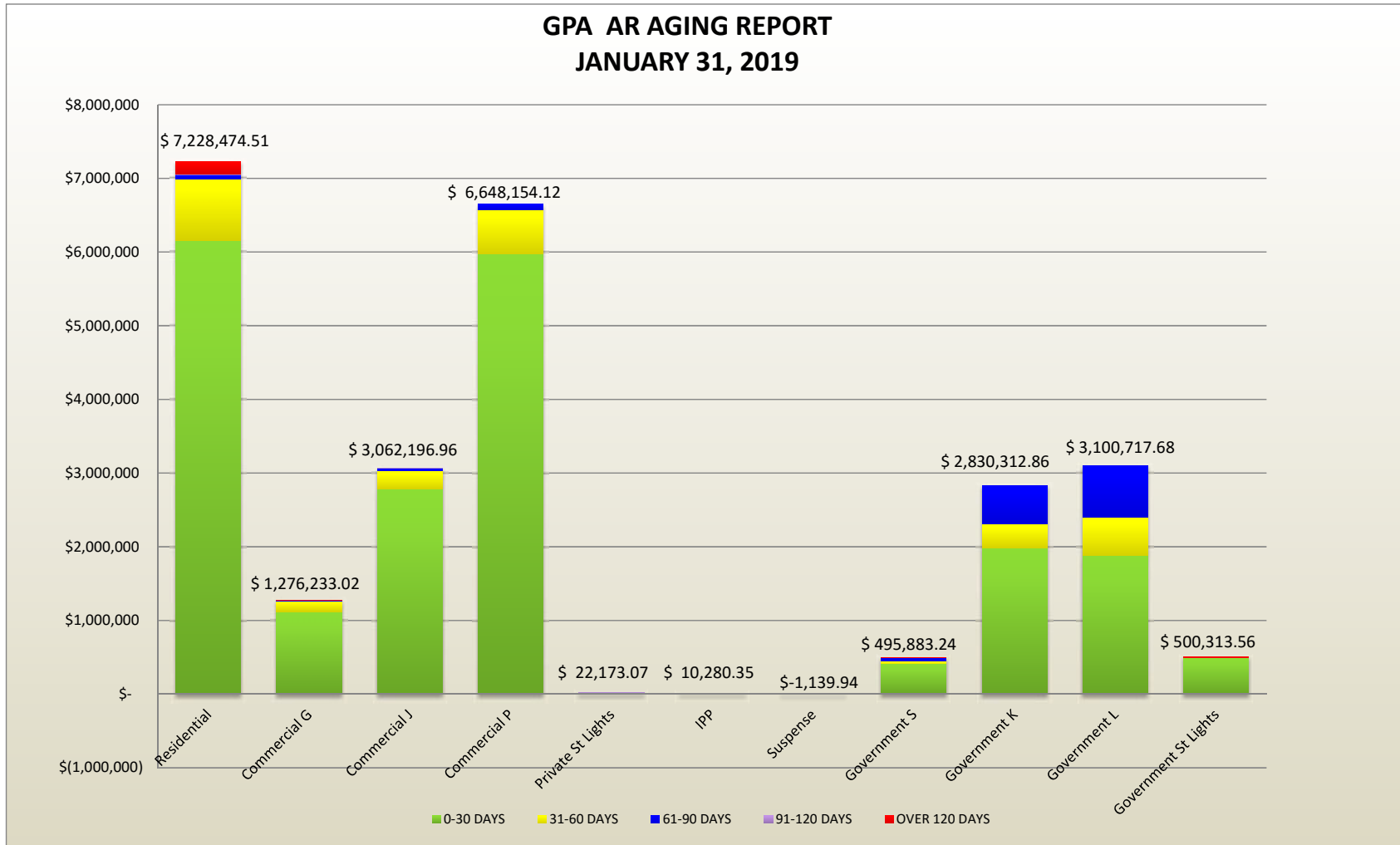




**GPA - Station Usage(MWH) Without Renewables and Aggreko  
For the Last 5 Years Thru 01.31.19-Moving 12 Months**







**GPA Work Session - March 21, 2019 - DIVISION REPORTS**

**GUAM POWER AUTHORITY  
GOVERNMENT ACCOUNTS RECEIVABLE**

  Current (02/19 Billing due 03/31/19)  
  30 days Arrears (1/31/19 due 02/28/19)  
  60 days and over Arrears (12/18 billing due 1/31/19)

CC&B ACCT NUMBER	CC&B New Acct Number	DEPARTMENT	BALANCE 1/31/2019	CANCEL/REBILL/ SPEC CHARGE 2/28/2019	BILLING 2/28/2019	PAYMENT 3/18/2019	BALANCE 3/18/2019
<b>Line Agencies</b>							
0237100000	1073430238	Dept. of Corrections	\$ 76,587.83		72,635.19	(76,587.83)	72,635.19
0437100000	0040515913	Dept. of Parks & Rec.	\$ 18,213.63		18,012.08	(18,213.63)	18,012.08
0537100000	0453170939	Guam Fire Department	\$ 14,524.71		13,957.82	(14,524.71)	13,957.82
6995000000	8564647941	DOA Supply Mgmt (NET METERED)	\$ 903.60		809.62	(903.60)	809.62
7895000000	4211873236	Dept. of Administration	\$ 4,439.27		4,172.05	(4,439.27)	4,172.05
1337100000	4554808900	Nieves Flores Library	\$ 9,002.37		8,722.18	(9,002.37)	8,722.18
2206200000	9541109130	General Services Agency	\$ 257.29		267.48	(257.29)	267.48
2237100000	1621790133	DOA-Data Processing	\$ 8,161.02		7,931.62	(8,161.02)	7,931.62
2337100000	1896187753	Dept. of PH&SS	\$ 61,342.96		53,296.54	(61,342.96)	53,296.54
3237100000	7252821074	Dept. of Education	\$ 3,137,958.75	92,604.65	1,007,376.92	(2,127,750.60)	2,110,189.72
3337100000	0266069082	Guam Police Department	\$ 47,584.39		44,349.57	(47,584.39)	44,349.57
3569100000	6069461950	Dept of Youth Affairs (Federal)	\$ 895.00		858.79	(895.00)	858.79
4437100000	2913461537	Dept. of Youth Affairs* (Local)	\$ 10,626.10		9,810.78	(10,626.10)	9,810.78
4737100000	3404311949	Guam Environmental Protect	\$ 6,451.11		6,038.58	(6,451.11)	6,038.58
5437100000	3227759982	Mental Health/Subst.	\$ 37,742.96		35,264.69	(37,742.96)	35,264.69
7200300000	0070861777	Veteran Affairs	\$ 804.55		728.20	(804.55)	728.20
7437100000	8300435373	Civil Defense (Military Affairs)	\$ 12,577.89		11,756.21	(12,577.89)	11,756.21
7463300000	7813165805	Pacific Energy Resource Center	\$ 755.85		671.83	(755.85)	671.83
8137100000	1595188609	Dept. of Agriculture	\$ 10,099.91		9,222.81	(10,099.91)	9,222.81
8337100000	2535590089	DPW-FAC Adm Account	\$ 24,272.92		23,743.81	(24,272.92)	23,743.81
8437100000	7928924534	Guam Visitors Bureau	\$ 8,649.08	64.87	4,105.34	(12,819.29)	-
8446300000	7663706771	Yona Senior Citizen Center	\$ 688.97		832.31	(688.97)	832.31
9437100000	4129948191	Dept of Chamorro Affairs/Chamorro Village	\$ 8,482.98	63.62	3,678.96	(8,482.98)	3,742.58
5247210000	5247210000	Mayors Council	\$ 2,235.07		2,001.27	(2,235.07)	2,001.27
6293410000	6293410000	Office of the Governor	\$ 24,129.63		22,784.87	(24,129.63)	22,784.87
8555858369	8555858369	Dept of Chamorro Affairs (Guam Museum)	\$ 21,937.17		21,028.09	(21,937.17)	21,028.09
	1099514147	Dept of Chamorro Affairs/Repository	\$ 882.73		422.05	(876.16)	428.62
		<b>Sub Total</b>	<b>\$ 3,550,207.74</b>	<b>92,733.14</b>	<b>1,384,479.66</b>	<b>(2,544,163.23)</b>	<b>2,483,257.31</b>
<b>DPW ACCOUNTS</b>							
0637100000	3832327736	Santa Rita Mayor	\$ 3,394.49		3,176.95	(3,394.49)	3,176.95
0737100000	9351070242	Ordof/Chalan Pago Mayor	\$ 1,253.66		1,532.57	(1,253.66)	1,532.57
1537100000	6393530237	Hagatna Mayor	\$ 1,373.85		1,238.50	(1,373.85)	1,238.50
1637100000	3293808984	Piti Mayor	\$ 1,068.85		1,094.10	(1,068.85)	1,094.10
1737100000	8715052935	Mongmong/Toto/Maite Mayor	\$ 1,221.20		1,152.35	(1,221.20)	1,152.35
2637100000	0492244686	Asan/Maina/Adelup Mayor	\$ 674.55		691.95	(674.55)	691.95
2737100000	8433959204	Sinajana Mayor	\$ 4,100.92		3,596.29	(4,100.92)	3,596.29
3637100000	8041715847	Dededo Mayor	\$ 6,264.08		5,699.38	(6,264.08)	5,699.38
4637100000	7037924246	Yigo Mayor	\$ 4,052.13		3,741.95	(4,052.13)	3,741.95
5637100000	7202265287	Umatac Mayor	\$ 1,004.31	35.58	1,028.46	(1,004.31)	1,064.04
6537100000	8472200165	Agana Hts. Mayor	\$ 4,774.46		4,809.61	(4,774.46)	4,809.61
6637100000	4469579988	Merizo Mayor	\$ 964.45		1,024.38	(964.45)	1,024.38
6737100000	5763167341	Barrigada Mayors Office	\$ 2,788.53		2,818.85	(2,788.53)	2,818.85
7537100000	7247791882	Agat Mayor	\$ 2,129.44		1,771.78	(2,129.44)	1,771.78
7637100000	6078244037	Inarajan Mayor	\$ 2,082.70		1,994.94	(2,082.70)	1,994.94
8537100000	6957205325	Tamuning Mayor	\$ 5,798.01		5,097.09	(5,798.01)	5,097.09
8637100000	1880297633	Talofolo Mayor	\$ 2,523.46		2,221.98	(2,523.46)	2,221.98
9537100000	3631627996	Mangilao Mayor	\$ 4,269.58		3,948.00	(4,269.58)	3,948.00
9637100000	1837525565	Yona Mayor	\$ 891.30		914.14	(891.30)	914.14
		<b>Sub Total</b>	<b>\$ 50,629.97</b>	<b>\$ 35.58</b>	<b>\$ 47,553.27</b>	<b>\$ (50,629.97)</b>	<b>\$ 47,588.85</b>
<b>DPW ACCOUNTS</b>							
4337100000	3045433600	DPW-Village St. Lights	\$ 357,958.07		373,979.54	(357,958.07)	373,979.54
5337100000	0930959866	DPW-Primary St. Lights	\$ 77,448.66		82,721.23	(77,448.66)	82,721.23
6337100000	3088040552	DPW-Sec/Col St. Lights	\$ 25,367.04		26,436.12	(25,367.04)	26,436.12
7337100000	0832698062	DPW-Signal Lights	\$ 12,040.00	(218.63)	9,838.50	(12,040.00)	9,619.87
		<b>Sub Total</b>	<b>\$ 472,813.77</b>	<b>\$ (218.63)</b>	<b>\$ 492,975.39</b>	<b>\$ (472,813.77)</b>	<b>\$ 492,756.76</b>
<b>(B) AUTONOMOUS/PUBLIC CORP</b>							
1437100000	1540692986	Retirement Fund	\$ 5,828.70		5,641.87	(5,828.70)	5,641.87
1915500000	0563872892	Guam Housing Corp Rental Division	\$ 1,546.70	50.00	1,273.92	(1,571.70)	1,298.92
2437100000	5434075703	University of Guam	\$ 167,049.36	1,252.87	156,348.55	(324,650.78)	-
4237100000	7736362694	Guam Airport Authority	\$ 513,923.80	15.71	463,909.90	(513,923.80)	463,925.61
5357510000	5357510000	University of Guam (NET METERED)	\$ 78,541.55		71,367.17	(149,908.72)	-
6237100000	1699407298	G H U R A	\$ 11,069.76		22,045.63	(23,263.72)	9,851.67
6437100000	6518220019	Guam Community College	\$ 47,393.67	428.01	46,425.49	(47,393.67)	46,853.50
7237100000	8302337726	Guam Memorial Hospital	\$ 114,886.51	1,156.05	35,191.35	(76,492.86)	74,741.06
8426836906	8426836906	Guam Memorial Hospital (NET METERED)	\$ 452,544.39	1,142.16	131,403.53	(300,256.51)	284,833.57
9137100000	4474308144	Port Authority of Guam	\$ 97,517.38		83,580.34	(97,517.38)	83,580.34
9157510000	9157510000	Guam Community College (NET METERED)	\$ 34,200.08		33,436.07	(34,200.08)	33,436.07
9173210000	9173210000	Guam Solid Waste Authority	\$ 6,043.37		5,598.21	(6,043.37)	5,598.21
9337100000	0838495949	Guam Waterworks Authority	\$ 1,288,791.39		1,693,759.67	(1,288,791.39)	1,693,759.67
8237100000	4075914809	GPA	\$ -		-	-	-
		<b>Sub Total</b>	<b>\$ 2,819,336.66</b>	<b>\$ 4,044.81</b>	<b>\$ 2,749,981.70</b>	<b>\$ (2,869,842.68)</b>	<b>\$ 2,703,520.49</b>
<b>(C) OTHERS</b>							
0337100000	7541928173	Guam Legislature	\$ 263.42	4.02	270.63	(538.07)	-
9503154359	9503154359	Guam Legislature (NET METERED)	\$ 6,836.38		5,943.16	(12,779.54)	-
1237100000	8353274954	Superior Court of Guam	\$ 66,527.58		62,958.60	(66,527.58)	62,958.60
2537100000	8108458168	Guam Post Office (Agana)	\$ 6,577.63		5,942.18	(12,519.81)	-
2570200000	8972267005	Customs & Quarantine Agency	\$ 902.74	270.22	852.78	(902.74)	1,123.00
3537100000	4530787043	U.S. Post Office	\$ 41,518.70		34,983.24	(76,501.94)	-
5537100000	8607446612	Dept. of Military Affairs	\$ 76,790.45		70,237.50	(76,790.45)	70,237.50
3209463043	3209463043	Dept. of Military Affairs (NET METERED)	\$ 16,157.91		13,882.55	(16,157.91)	13,882.55
5737100000	6000770566	KGTF	\$ 7,009.74		5,647.81	(7,009.74)	5,647.81
7281000000	6602566745	Tamuning Post Office	\$ 4,757.50		4,428.02	(9,185.52)	-
		<b>Sub Total</b>	<b>\$ 227,342.05</b>	<b>\$ 274.24</b>	<b>\$ 205,146.47</b>	<b>\$ (278,913.30)</b>	<b>\$ 153,849.46</b>
<b>GRAND TOTAL</b>			<b>\$ 7,120,330.19</b>	<b>\$ 96,869.14</b>	<b>\$ 4,880,136.49</b>	<b>(6,216,362.95)</b>	<b>\$ 5,880,972.87</b>



# GPA Communications/PIO

## KPI Status

21 March 2019

# Ratepayer Newsletter



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. March "Insights" newsletter content compiled and in circulation;
2. Standard features of recipe, village fiesta schedule for newsletter content;
3. Inclusion of 2018 Citizen Centric Report.

## Accomplishments

1. Completed March *Insights* Ratepayer Newsletter
2. April issue planning; will meet deadline

## Risks and Issues

1. None to report;

## Resolution

## Financial

Budgeted for FY19

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# 2018 Annual Report Projects



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. FY2018 Annual Report bid awarded to vendor;
2. Inclusion of Citizens Centric Report on project bid;
3. Theme: Half a Century of Service to Ratepayers;
4. Content Materials transmitted to vendor and free lance writer

## Accomplishments

1. Completed GPA FY2017 Report;
2. FY 2017 Annual Report prepared for and distributed to all government officials – Executive and Legislative branches to include all 19 Mayors and 7 Vice Mayors

## Risks and Issues

1. None to Report

## Resolution

## Financial

None to report	Within Budget

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

3

# UOG Conference on Island Sustainability



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. Subject topics nominated through SPORD;
2. Preparing for booth table display and promotional items.

## Accomplishments

1. Sponsorship Level "Silver" \$3k;
2. Completed 'Early Bird' Registrants (20 total)

Risks and Issues	Resolution	Financial
1. None to report		Within budget

### Legend:



No corrective action required



Near-term corrective action required



Requires immediate attention

3/20/2019

# Energy Sense Marketing



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. Preparing contracts for radio advertising

## Accomplishments

1. Electronic billboards on display with Cherry Media Vision, Tri Vision Media and Vantage Advertising;

## Risks and Issues

1. SPORD support pending additional funding;

## Resolution

PIO supporting DSM marketing in pending additional SPORD funding

## Financial

Budget Support for SPORD for Phase II

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# Live Streaming of CCU Meetings & Work Sessions



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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Status		Accomplishments	
<ol style="list-style-type: none"> <li>1. Change order for inclusion of control room specifications completed.</li> <li>2. Vendor completed walkthrough of Board Room; coordinating construction activity with Project Engineering;</li> <li>3. Construction expected to begin early April 2019</li> </ol>		<ol style="list-style-type: none"> <li>1. None to report at this time</li> </ol>	

Risks and Issues	Resolution	Financial	
<ol style="list-style-type: none"> <li>1. None to report at this time</li> </ol>		Funding with IT Division & GWA for audio & video equipment expected	

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention



# 50<sup>th</sup> Anniversary Activities



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. Video production of GPA Retirees in progress;
2. 50<sup>th</sup> Anniversary Wall in progress – communicating with vendor for final design and timeline for completion;
3. 50<sup>th</sup> Anniversary Fadian Lighting project in specification phase – to be requisition in April 2019;
4. Completed photo survey of Tanguisson Beach Park for possible park adoption for 50<sup>th</sup> Anniversary/Typhoon Yutu Appreciation Picnic.

## Accomplishments

1. Forwarded Tango Beach Park Survey photos to GM for review.

## Risks and Issues

1. None to report at this time

## Resolution

## Financial

None to report

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# Super Typhoon Yutu Recovery Documentary Video



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. Video Documentary Project Phase II in progress. Outline being finalized with Red Dragon Productions;
2. Scheduling for voice over production with narrator (F. Santos) and video interview with AGMO and GM;
3. APPA presentation with GM for upcoming June 2019 Conference in production.
  - Coordination of filming in progress.

## Accomplishments

1. Shared video project with American Public Power Association;
2. Posted video project on YouTube.

Risks and Issues	Resolution	Financial
1. None		1. None to report

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# Graphic Projects/Social Media



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. Fuel Recovery Charge Graphic being finalized;
2. How Power is Restored being conceptualized;
3. How Power Gets to You being conceptualized;
4. Tumon UG Project near completion

All graphic projects are produced for social media and web page inclusion.

## Accomplishments

1. None to report

## Risks and Issues

1. None to report;

## Resolution

## Financial

Budgeted for FY19

3/20/2019



No corrective action required



Near-term corrective action required



Requires immediate attention

# Miscellaneous Activities



Overall Status	G	Risks & Issues	G	Schedule	G	Scope	G	Financial	G
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## Status

1. GPA Web page redesign work online and updated as necessary
2. Monitoring of CS Business Centers
3. Standard Media Releases for scheduled and emergency outage reporting is on-going;
4. Education Outreach – random requests; ongoing;
5. Exploring additional educational and general outreach via video production highlighting GPA (and CCU) mission, GPA operations, customer service reading bill, understanding LEAC, etc.
6. Reaching out to GDOE Curriculum & Instruction regarding exploring building 4<sup>th</sup> grade level and 10<sup>th</sup> grade level “Knowing Your Guam Power Authority – utility basics and career building;
7. Procurement Cards for upcoming Vendor Fair in April 2019.

## Accomplishments

1. None to Report

## Financial

None to report

## Risks and Issues

## Resolution

1. None to report at this time;

3/20/2019



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

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