



## 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., Thursday, FEBRUARY 20, 2020*

### AGENDA

1. ISSUES FOR DECISION
  - 1.1 **NEM Policy Requiring Installation of ESS for New NEM Solar PV & Wind Turbine Customers / Resolution 2020-01**
  - 1.2 **Cost of Service Change of Rate / Resolution 2020-05**
  - 1.3 **Contract for Bulk Supply of Residual Fuel Oil NO. 6 / Resolution 2020-06**
2. GM REPORT
  - 2.1 **Updates**
3. ISSUES FOR DISCUSSION
4. OTHER DISCUSSION
5. DIVISION REPORTS
  - 5.1 **Administration: Customer Service, HR, Procurement, Safety**
  - 5.2 **Communications**
  - 5.3 **Engineering & Technical: Engineering, IT, Planning & Regulatory, SPORD**
  - 5.4 **Finance**
  - 5.5 **Operations: Facilities, Generation, PSCC, T&D, Transportation**
6. ANNOUNCEMENTS
  - 6.1 **Next Meeting: CCU Meeting: February 21**
7. ADJOURNMENT



## GUAM POWER AUTHORITY

ATURIDÄT ILEKTRESEDÄT GUAHAN  
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

### Issues for Decision

#### Resolution No. 2020-01

#### **Relative to Authorizing Management to Require All Future Net Metering Solar PV and Wind Turbine Systems to also have Frequency Control Capability or Energy Storage System (ESS) in Order to be Tied in to GPA's Grid**

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

Guam Public Law 27-132 (December 2004) created Net Metering for Guam and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate for excess renewable energy fed into GPA's Distribution System. NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to:

- 1) Use of the grid to sell power (get credit at full retail rate for excess production);
- 2) Use of the grid to energize their homes at night, but credited back from their production (uses GPA Grid as storage);
- 3) Frequency regulation absorbed by grid for intermittencies;
- 4) Reactive power supply;
- 5) Voltage regulation;
- 6) Stand-by power on overcast days when the sun does not shine.

Solar PV production is intermittent and would require an accompanying energy storage system such as a battery or Frequency Control Capability to provide smooth energy into the customer premise or power grid. A 25 MW utility scale solar PV farm and an estimated 24 MW of net metering capacity tied in to the grid without ESS or Frequency Control Capability, resulting in significant intermittency which degrades the reliability of the island wide power system (IWPS). Production graphs of the utility-scale Dandan solar PV farm during several consecutive weeks of rainy weather, aptly illustrates the solar PV production is inconsistent and requires substantial battery storage reserves.

The number of automatic under-frequency load shedding events have increased substantially over the past few years due to intermittency of solar PV tied into the island's power grid. As of October 31, 2019, GPA customers experienced 27 feeder trips or outages due to solar PV systems without ESS or Frequency Control Capabilities. Although, the pending utility-scale 40 MW ESS will control system frequencies and decrease these outages, the addition of more intermittent energy into the grid will continue to degrade system reliability.

GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to also have ESS or Frequency Control Capability.

**When will it be completed?** GPA recommends that new utility-scale, and NEM solar PV and wind turbine systems must have ESS or Frequency Control Capability by **June 01, 2020**, in order to be tied in to island power grid. However, in the event that PUC creates an Energy Storage Rate

Schedule, a new NEM customer may select the new Rate Schedule in lieu of providing ESS or Frequency Control Capability. GPA recommends the initial Energy Storage Rate Schedule be set at \$2.43 per kW per month, as installed.



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1 **RESOLUTION NO. 2020-01**

2  
3 **AUTHORIZING MANAGEMENT TO REQUIRE ALL FUTURE UTILITY-SCALE AND NET ENERGY METERING SOLAR**  
4 **PHOTOVOLTAIC (PV) AND WIND TURBINE SYSTEMS TO HAVE FREQUENCY CONTROL CAPABILITY OR ENERGY**  
5 **STORAGE SYSTEM (ESS) IN ORDER TO BE TIED INTO ISLAND POWER GRID**  
6

7 **WHEREAS**, Guam Public Law 27-132 (December 2004) created Net Energy Metering (NEM) for Guam  
8 and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate  
9 for excess renewable energy fed into GPA's Distribution System; and

10 **WHEREAS**, NEM customers receive services from the grid subsidized by non-NEM customers including  
11 but not limited to:

- 12 1) Use of the grid to sell power (get credit at full retail rate for excess production);
- 13 2) Use of the grid to energize their homes at night, but credited back from their production (uses  
14 Island power grid as storage);
- 15 3) Frequency regulation absorbed by grid for intermittencies;
- 16 4) Reactive power supply;
- 17 5) Voltage regulation;
- 18 6) Stand-by power on overcast days that cannot produce sufficient power generation; and

19 **WHEREAS**, on February 9, 2020, GPA conducted a stakeholder outreach meeting concerning this  
20 proposed Resolution; and

21 **WHEREAS**, **Exhibit A** illustrates the intermittency of solar photovoltaic (PV) production and highlights  
22 that an Energy Storage System (ESS), such as a battery, or Frequency Control Capability is necessary to provide  
23 smooth energy into the customer premise or power grid; and

24 **WHEREAS**, a 25 MW utility-scale solar PV farm and an estimated 24 MW of net metering capacity are  
25 currently tied into the grid without ESS or Frequency Control Capability, resulting in significant intermittency  
26 which degrades the reliability of the island wide power system; and

27 **WHEREAS**, production graphs of the utility-scale Dandan solar PV farm (**Exhibit B**) during several  
28 consecutive weeks of rainy weather, aptly illustrates that solar PV production is inconsistent and requires  
29 substantial battery storage reserves; and

30 **WHEREAS**, **Exhibit C** illustrates the number of automatic under-frequency load shedding events have  
31 increased substantially over the past few years due to intermittency of solar PV systems tied into the island's  
32 power grid. As of October 31, 2019, GPA customers experienced 27 feeder trips or outages due to solar PV  
33 systems without ESS or Frequency Control Capabilities. Although the pending utility-scale 40 MW ESS will

control system frequencies and decrease these outages, the addition of more intermittent energy into the grid will continue to degrade system reliability; and

**WHEREAS**, the customers paying for the system grid are non-NEM customers who have been experiencing substantial outages due to solar PV intermittency; and

**WHEREAS**, GPA completed its Joint Renewable Integration Study (JRIS) with the United States Navy in July 2018, and made the following observations: (1) all PV added with and after Phase II Renewables project require additional ESS support during transient events; (2) all PV added with and after Phase II Renewables project require additional Short-Circuit Ratio (SCR) support supplied by GPA; (3) all ESS should have frequency droop control modes available; and (4) the PV systems and the energy storage should share the same DC bus configuration behind one inverter system to reduce the SCR burden on GPA and reduce the PV ramping effects due to intermittent solar irradiation; and

**WHEREAS**, JRIS recommends current and future projects, including the new flexible generation power plant, help ameliorate the above effects; and

**WHEREAS**, GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to have Frequency Control Capability or Energy Storage System (ESS). Thus, GPA recommends that all new NEM customers must have Frequency Control Capability or Energy Storage System (ESS) by June 01, 2020.

**NOW, THEREFORE, BE IT RESOLVED**, by the CONSOLIDATED COMMISSION ON UTILITIES as follows:

1. The General Manager has determined that the number of automatic under-frequency load shedding due to solar PV systems has increased substantially over the past few years and uncontrolled solar PV energy has significantly degraded system reliability. Those whose reliability is impacted substantially are the non-NEM customers, which expect to have improved reliability when the 40 MW Energy Storage System (ESS) is completed.
2. GPA's existing policy is to have all future utility-scale solar PV or wind turbine systems, beginning with GPA's Phase II Renewables projects, be equipped with ESS in order to improve reliability.
3. GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to also have frequency control capability or ESS.
4. Effective **June 01, 2020**, all new utility-scale, and NEM solar PV and wind turbine systems must have Frequency Control Capability or ESS in order to be tied in to island power grid.
5. However, in the event that PUC creates an Energy Storage Rate Schedule, a new NEM customer may select the new Rate Schedule in lieu of providing ESS or Frequency Control Capability. GPA recommends the initial Energy Storage Rate Schedule be set at \$2.43 per kW per month, as installed.

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

**DULY and REGULARY ADOPTED and APPROVED THIS 21<sup>st</sup> DAY OF FEBRUARY, 2020.**

Certified by:

Attested by:

\_\_\_\_\_  
JOSEPH T. DUENAS

\_\_\_\_\_  
MICHAEL T. LIMTIACO

Chairperson

Secretary

Consolidated Commission on Utilities

Consolidated Commission on Utilities

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: \_\_\_\_\_

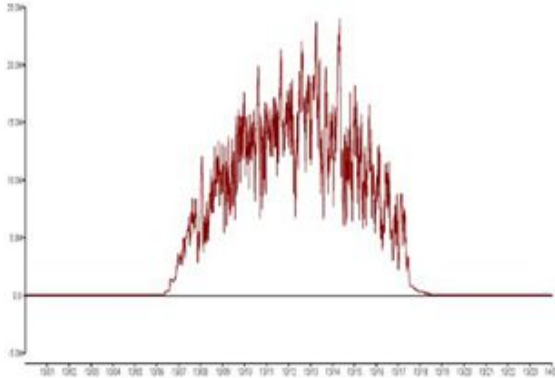
Absent: \_\_\_\_\_

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

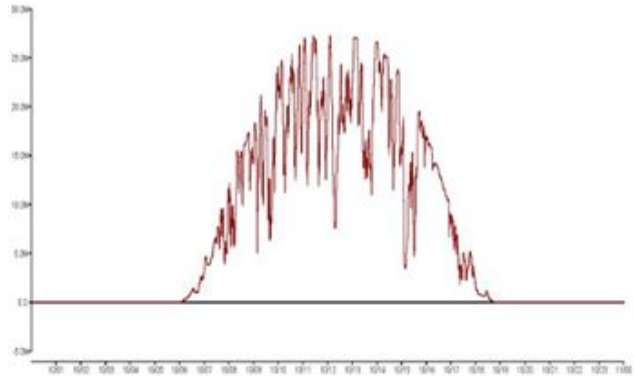
**Exhibit A**

**NEM (SOLAR PV) CUSTOMER PROFILE  
INTERMITTENCY**

Peak Output  
26.5 MW



Peak Output  
23 MW



*Residential NEM Solar PV System Size = 24.70 kW*

| TIME OF DAY                   | kWh           |           |
|-------------------------------|---------------|-----------|
|                               | GPA → NEM     | GPA ← NEM |
| 0000 – 0700                   | 22.56         | -         |
| 0700 – 1800                   | 7.44          | 69.35     |
| 1800 – 0000<br>(Evening Peak) | 24.67         |           |
| <b>Net GPA</b>                | <b>-14.68</b> |           |

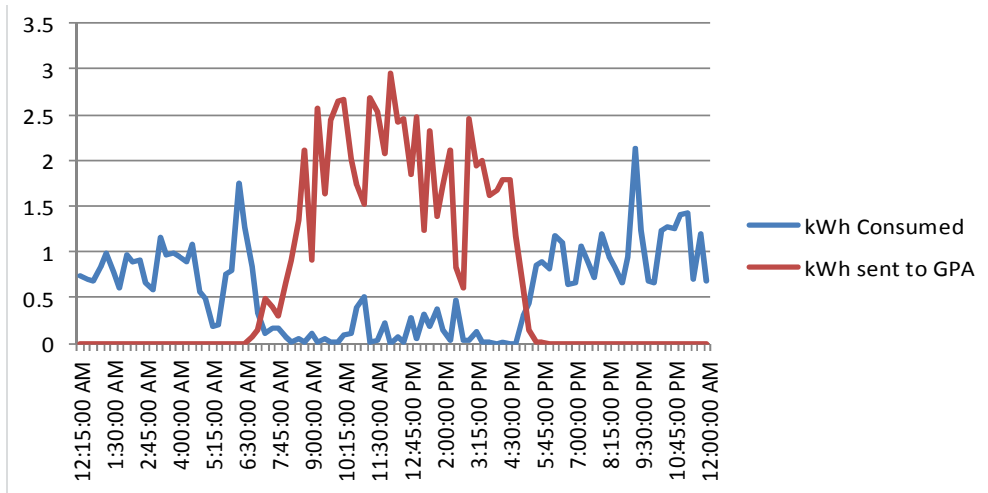


Exhibit B

Solar PV Production is Inconsistent and Requires Substantial Battery Reserves

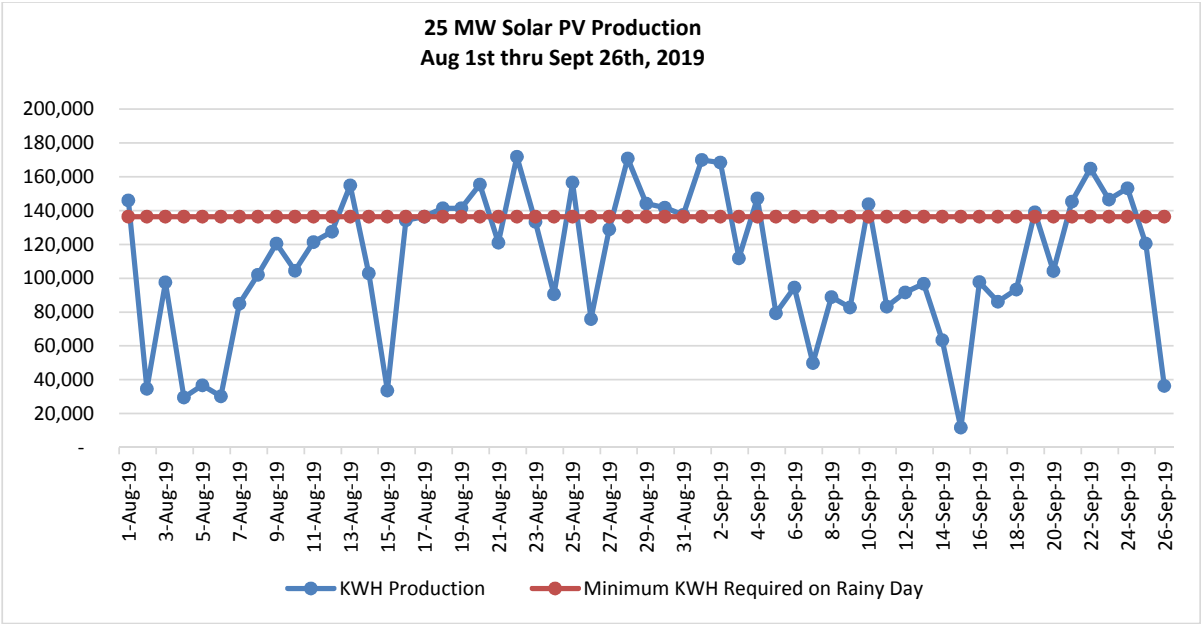
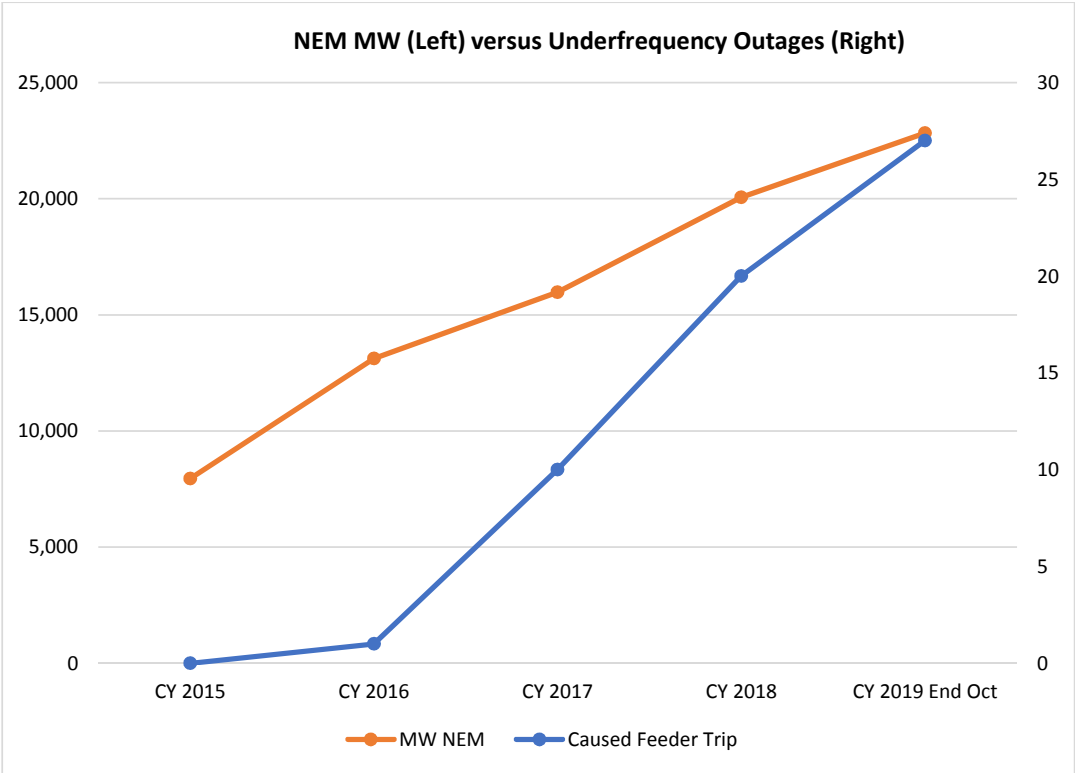


Exhibit C





# STAKEHOLDER OUTREACH ON CCU NET METERING RESOLUTIONS

John M. Benavente, P.E.  
General Manager

January 9, 2020  
CCU Conference Room, 3<sup>rd</sup> Fl  
Gloria B. Nelson Public Service Building  
Fadian, Mangilao



# OVERVIEW

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GPA is proposing two (2) changes to the current Net Metering (NEM) program:

1. Require all future solar PV & wind turbine systems to have frequency control capability or energy storage systems (batteries) in order to be tied into GPA's grid; and
2. Remove the annual cash payment and credit roll-over options.

Brief summaries of the issues are provided in this presentation.



# Resolution 2020-01

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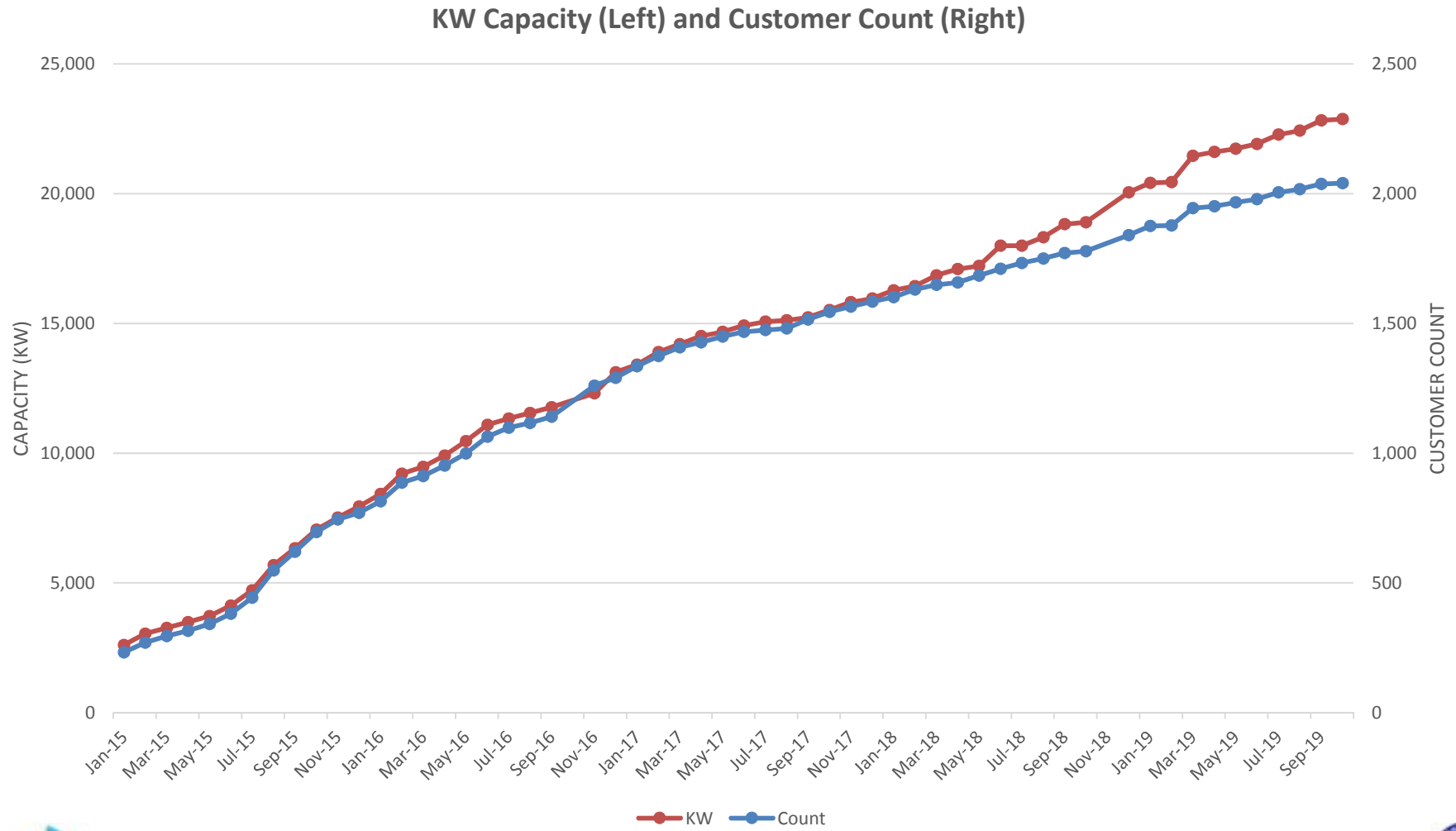
AUTHORIZING MANAGEMENT TO REQUIRE ALL FUTURE NET METERING SOLAR PV AND WIND TURBINE SYSTEMS TO ALSO HAVE FREQUENCY CONTROL CAPABILITY OR ENERGY STORAGE SYSTEM (ESS) IN ORDER TO BE TIED IN TO GPA'S GRID



# NET METERING (NEM) GROWTH

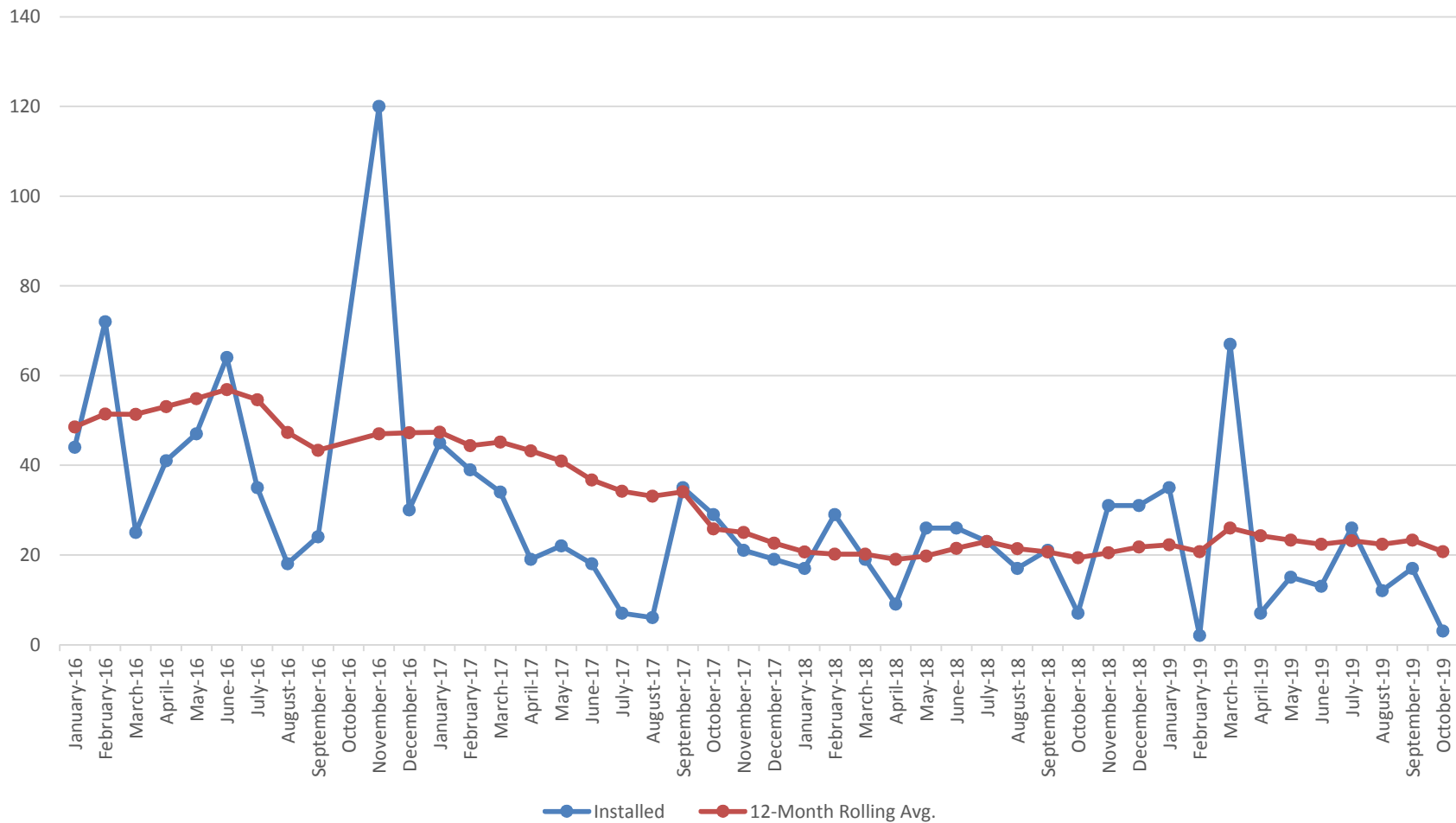
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## NEM Growth through October 2019



# NET METERING (NEM) GROWTH

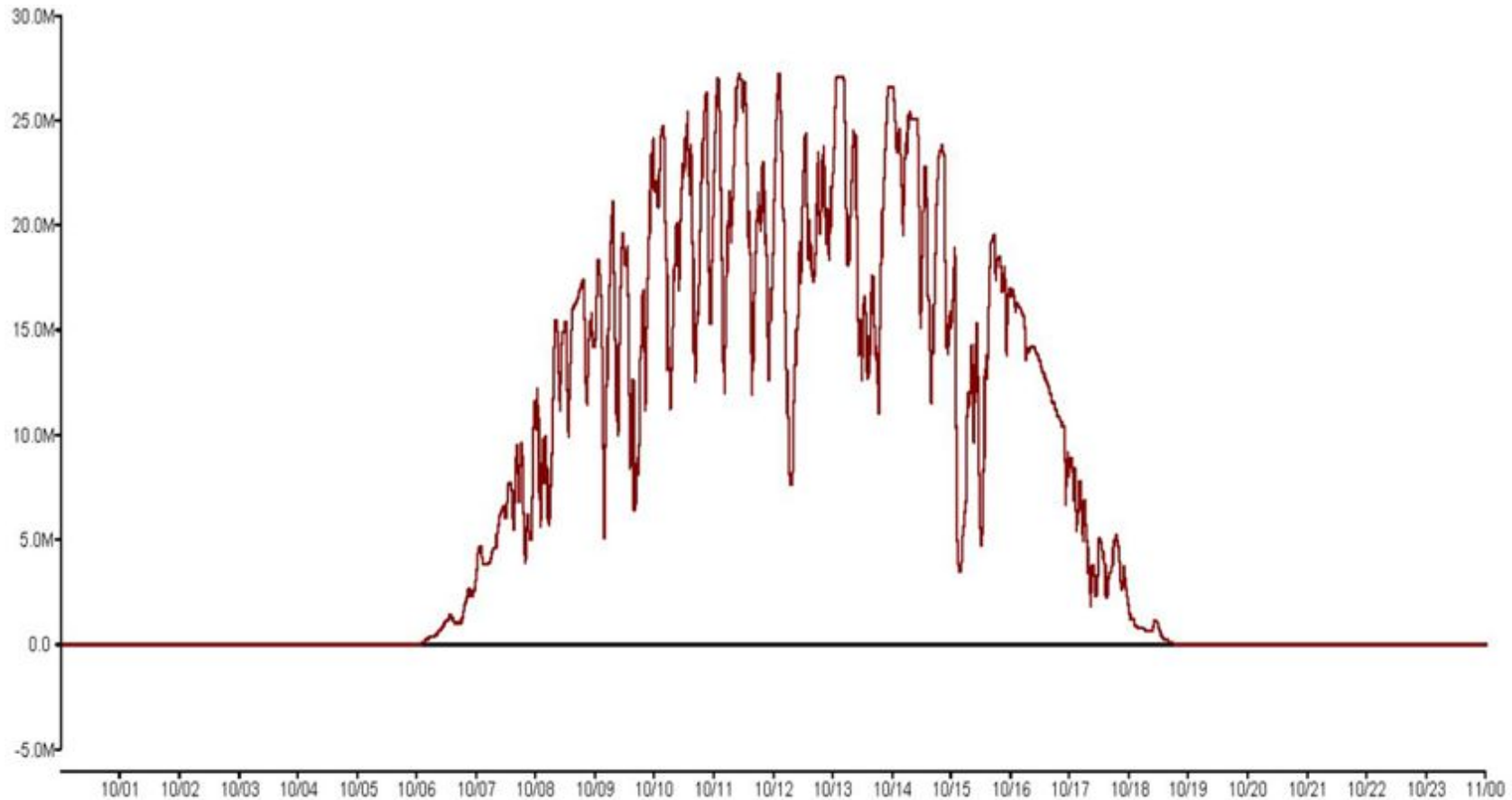
## NEM Monthly Installations Through October 2019



# INTERMITTENCY DEGRADES RELIABILITY

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## GPA 25MW Solar PV Production Intermittent - Causing Reliability Issues



**Solution: Installation of 16 MW Energy Storage Batteries in Talofofo**

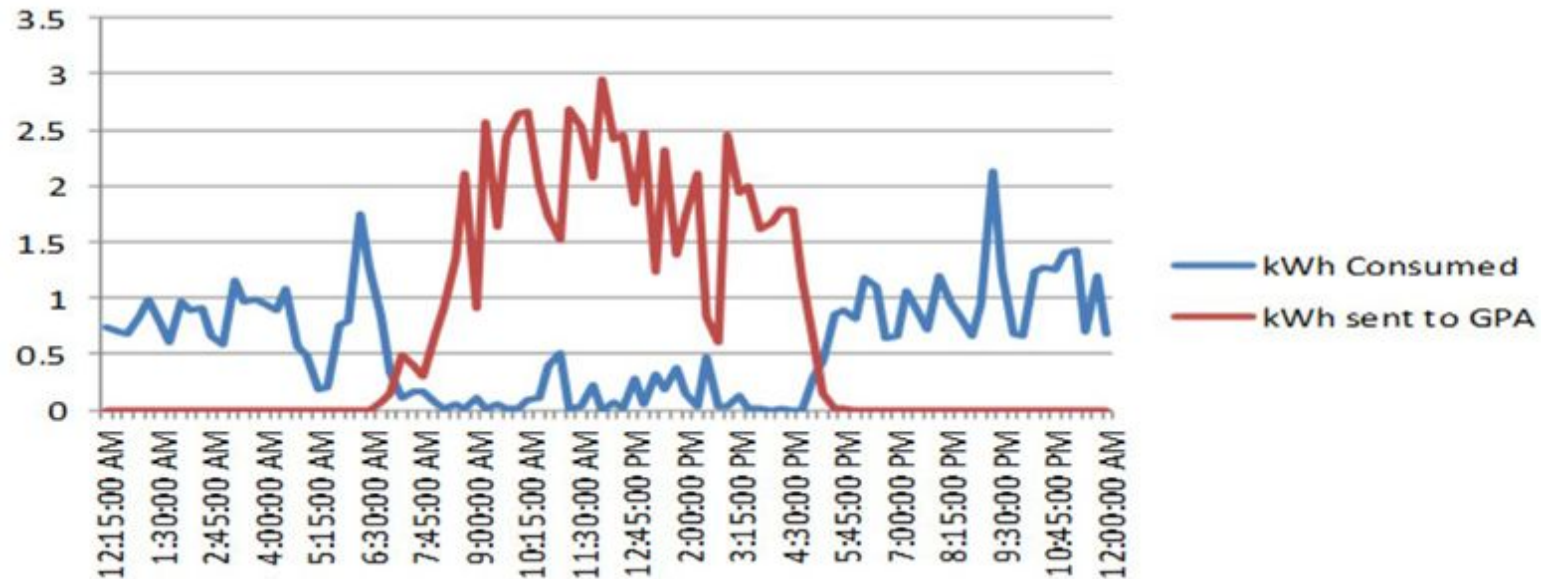


# INTERMITTENCY DEGRADES RELIABILITY

7

## NEM 22MW Solar PV Production Intermittent - Causing Reliability Issues

|                            |  |                  |                     |  |
|----------------------------|--|------------------|---------------------|--|
| <b>Date:</b>               |  | <b>14-Jun-16</b> |                     |  |
| PV System KW Size          |  | 24.7             |                     |  |
| GPA KWH 12am to 7am        |  | 22.56            |                     |  |
| GPA KWH 7am to 6pm         |  | 7.44             |                     |  |
| <b>GPA KWH 6pm to 12am</b> |  | <b>24.67</b>     | <b>Evening Peak</b> |  |
| NEM KWH 7am to 6pm         |  | 69.35            |                     |  |
| Net GPA KWH                |  | -14.68           |                     |  |

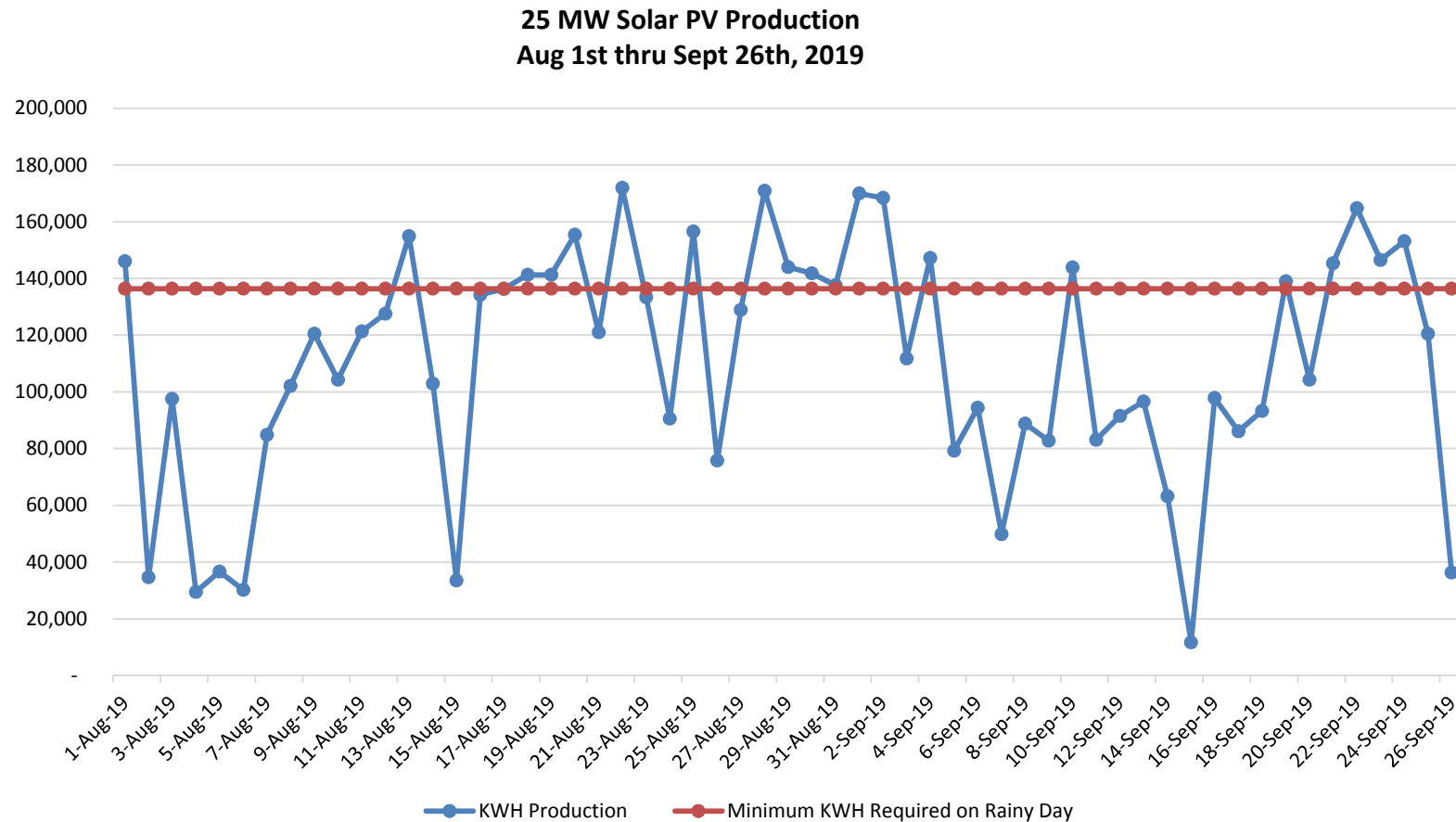


Solution: Installation of 24 MW Energy Storage Batteries in Hagåtña

# SOLAR PV PRODUCTION INCONSISTENT

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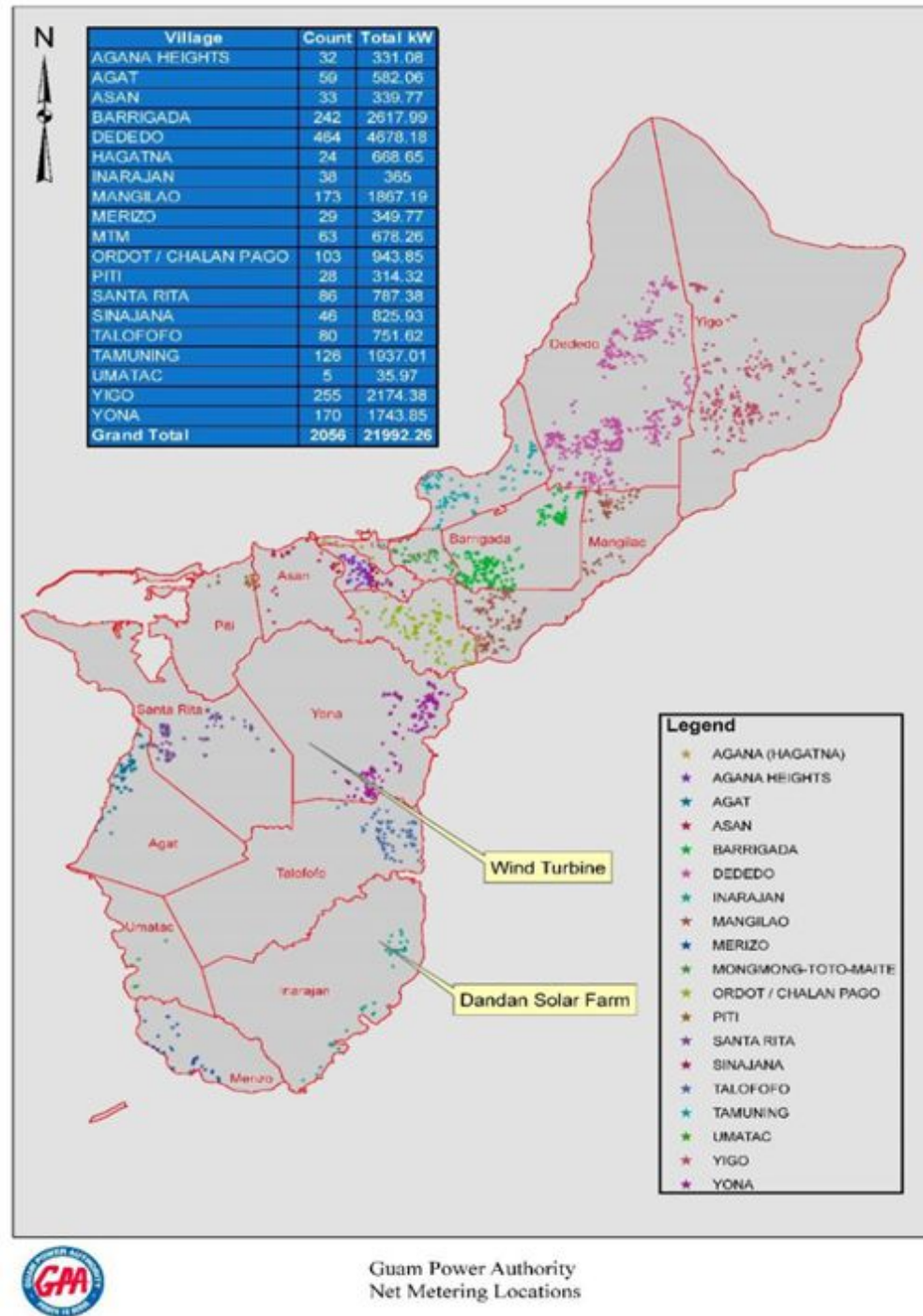
Solar PV Production Inconsistent & Depends on GPA System for Reliability



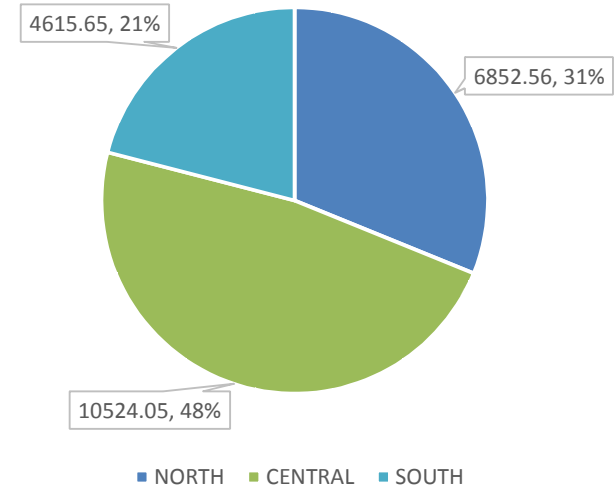
**Solution: Inconsistency Mitigated by Availability of GPA Conventional Generators**







NEM  
kW

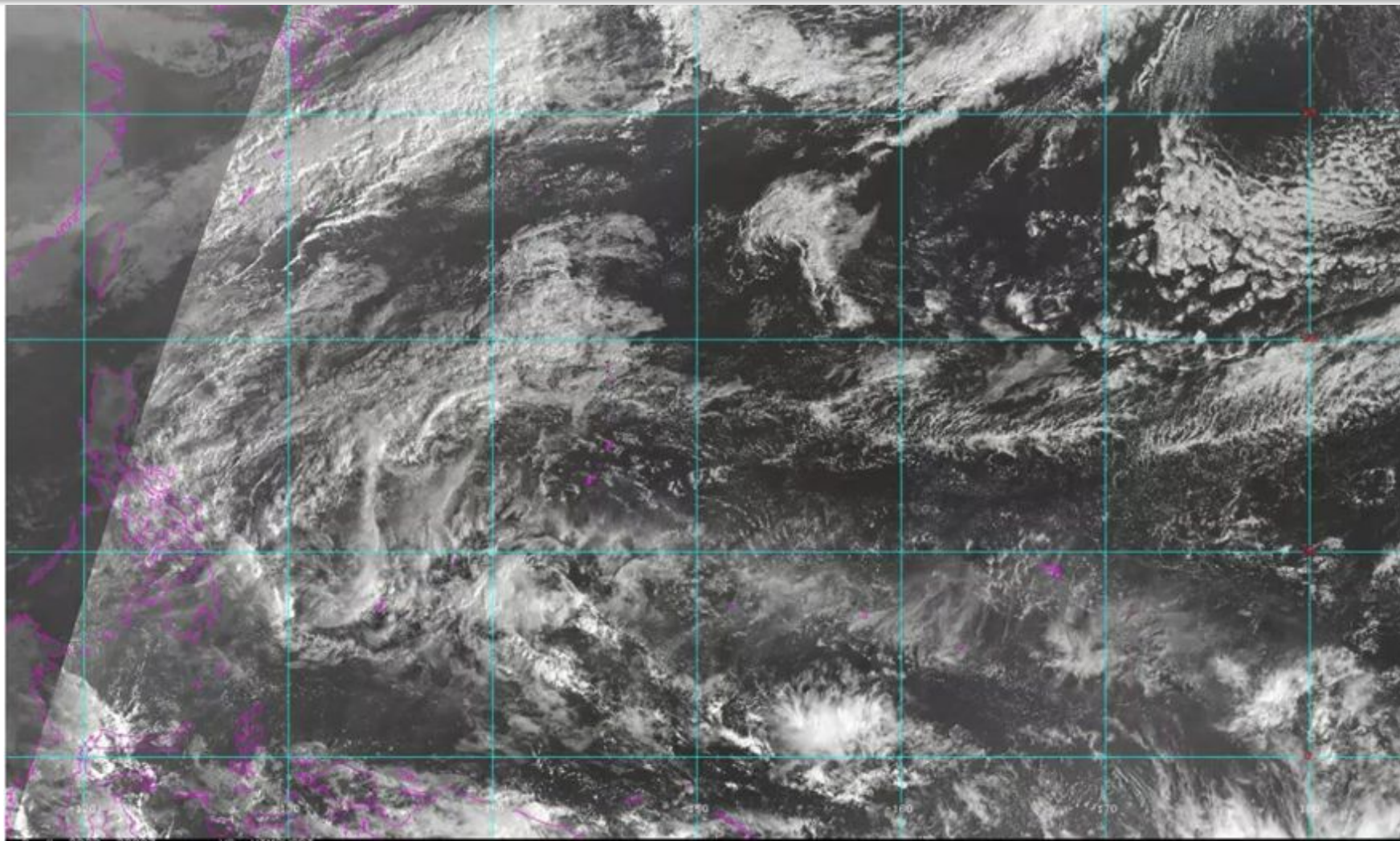


|                | Count      | kW         |
|----------------|------------|------------|
| <b>NORTH</b>   | <b>35%</b> | <b>31%</b> |
| <b>CENTRAL</b> | <b>42%</b> | <b>48%</b> |
| <b>SOUTH</b>   | <b>23%</b> | <b>21%</b> |

|       |            |                   |
|-------|------------|-------------------|
| NORTH | Dededo     | CENTRAL Agana Hts |
| NORTH | Yigo       | CENTRAL Asan      |
| SOUTH | Agat       | CENTRAL Barrigada |
| SOUTH | Inarajan   | CENTRAL Hagatna   |
| SOUTH | Merizo     | CENTRAL Mangilao  |
| SOUTH | Santa Rita | CENTRAL MTM       |
| SOUTH | Talofofo   | CENTRAL O/CP      |
| SOUTH | Umatac     | CENTRAL Sinajana  |
| SOUTH | Yona       | CENTRAL Tamuning  |

# IMMEDIATE OUTPUT DECREASE FROM CLOUD COVER

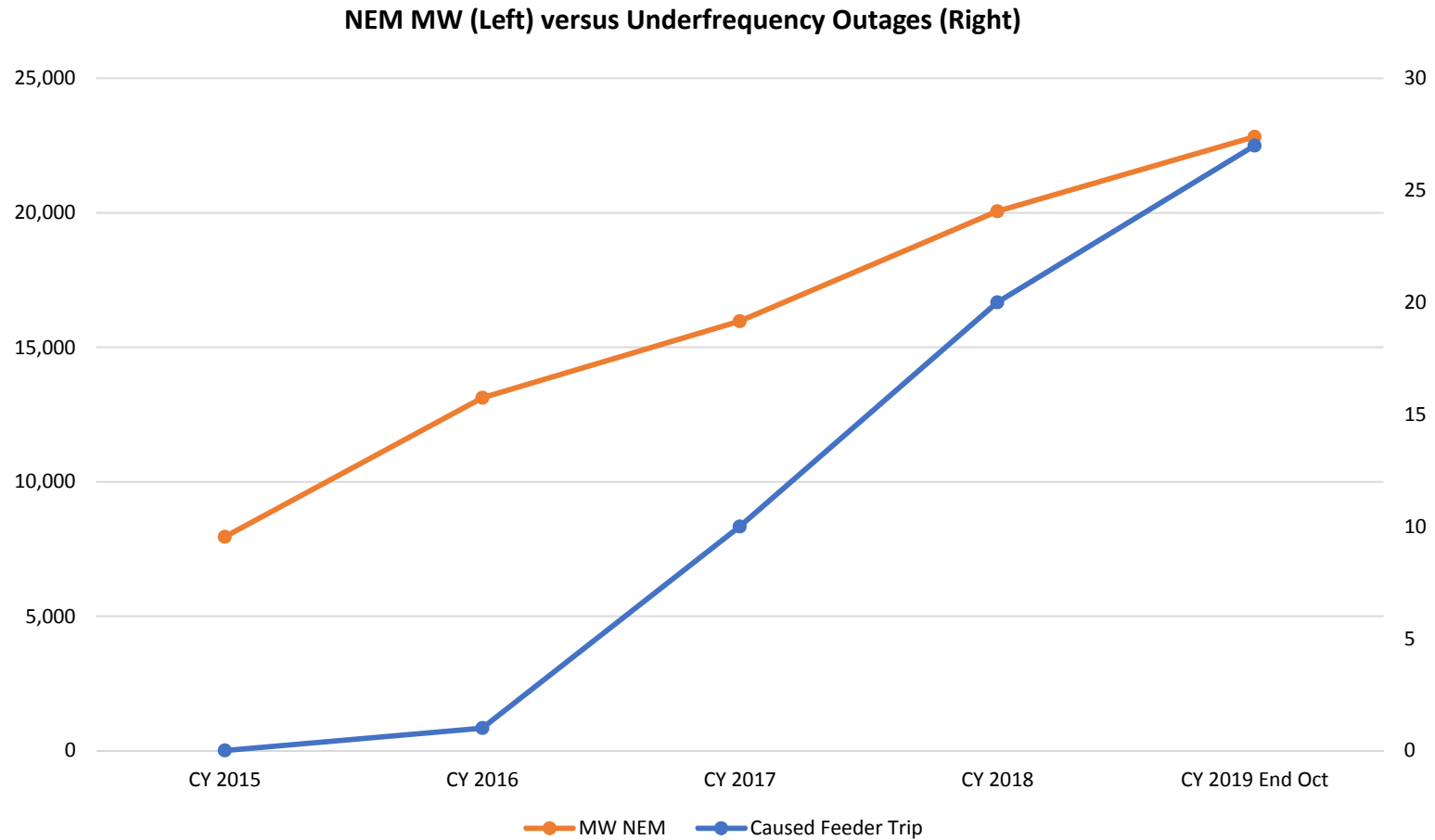
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# ENSURING SYSTEM RELIABILITY

11

## Continued NEM Growth Without Batteries Will Significantly Degradе Reliability



**Solution: Future NEM Customers Install Batteries**



# SUMMARY - Resolution 2020-01

12

- GPA is installing two Energy Storage System (ESS) batteries totaling 40 MW of batteries to address reliability issues when conventional generators trip off line.
  - The 40 MW ESS commissioning is within next two months.
- The continued addition of Solar PV Systems without batteries would result in continued degrading of reliability despite ratepayers paying for new \$35M ESS to decrease outages.
- GPA has previously issued policy that all future utility-scale solar PV systems must be installed with batteries. GPA's Phase II and III projects include batteries.
- Net Metering Capacity without Batteries has grown to 22 MW. The continued uncontrolled growth without Batteries increases outages and must be curbed.
- In the event that PUC sets a rate for energy storage per user, the new user may choose to pay the rate instead of providing Frequency Control Capability or Energy Storage System (ESS).
- CCU Resolution 2020–01, if passed, will require all future NEM customers to install batteries in order to connect to GPA grid.
  - GPA recommends the requirement be effective June 1, 2020.



# Resolution 2019-20

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13

AUTHORIZED MANAGEMENT OF THE GUAM POWER AUTHORITY  
(GPA) TO FILE A REVISION TO INTERIM NET METERING RIDER  
ADDRESSING THE GUAM PUBLIC UTILITIES COMMISSION (PUC)  
ORDER DOCKET NO. 08-10





# NET METERING (NEM) PROGRAM

14

NEM customers currently receive services from the grid including:

- Use the grid to sell power (get credit at full retail rate for excess production)
- Use the grid to energize their homes at night, but credited back from their production (uses GPA grid as storage)
- Using grid at night results in increased fuel cost to non-NEM Customers because costlier less efficient generation is used to generate their energy needs
- Frequency regulation absorbed by grid for intermittencies
- Reactive power supply
- Voltage regulation
- Stand-by power on overcast days when the sun does not shine

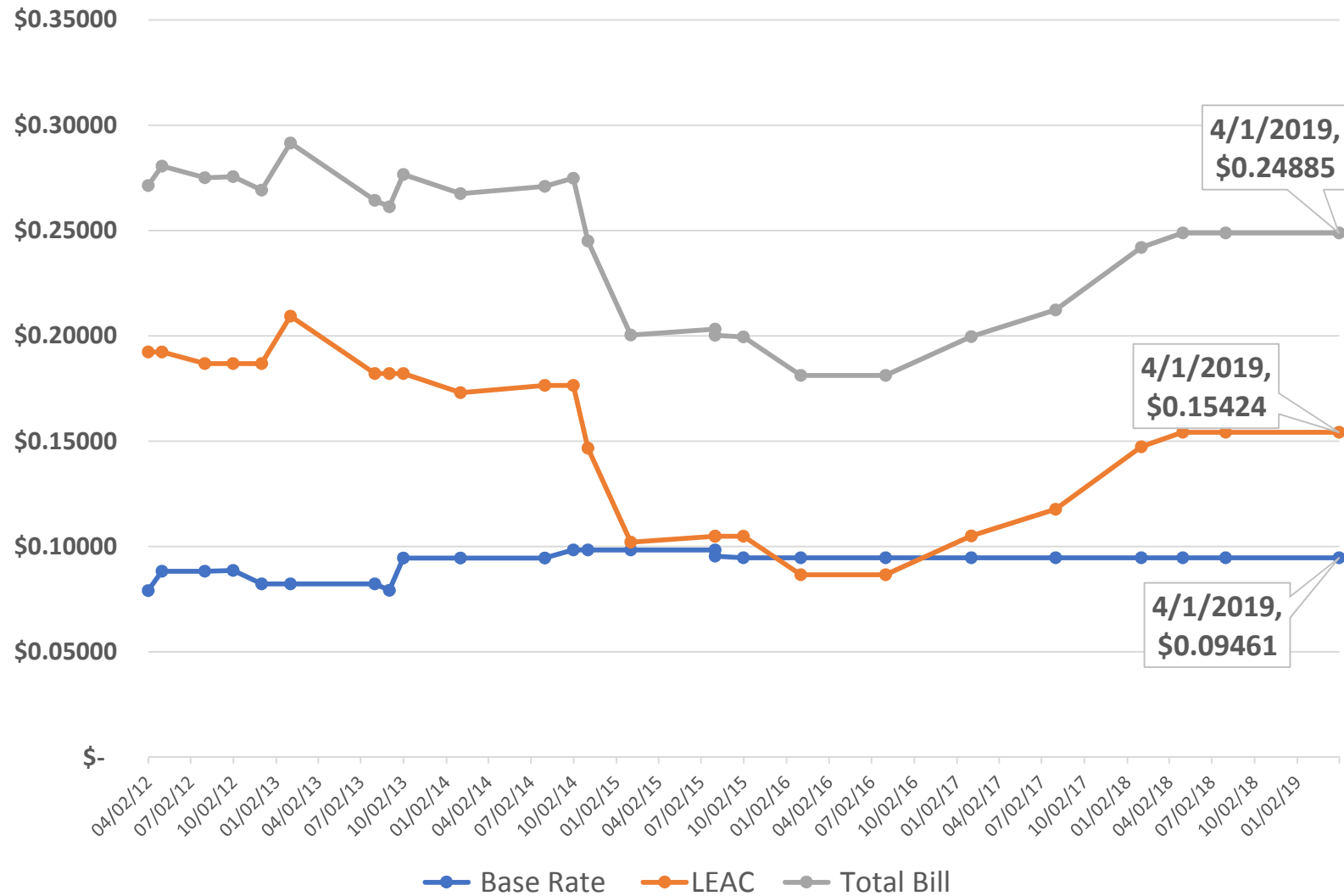
Monthly fixed charge of \$15 does not recover cost to serve from grid

- Most of GPA fixed cost is recovered in the energy use (kWh) rate component which is typically zero for NEM customers

GPA continues to request PUC to set credit at avoided cost



# HISTORIC RESIDENTIAL RATE



# COST BURDEN ANALYSIS

16

## System FY 2018 Cost

kWh Sales: 1,567,052,144

| Description:                                 | Amount                | \$/KWH          |
|--|-----------------------|-----------------|
| Debt   | \$ 30,167,800         | \$ 0.019        |
| Capital Improvement                          | \$ 16,599,038         | \$ 0.011        |
| Transmission and Distribution Grid           | \$ 12,338,142         | \$ 0.008        |
| Customer Accounting                          | \$ 6,354,272          | \$ 0.004        |
| Admin/General                                | \$ 33,971,438         | \$ 0.022        |
| Production - Non Fuel                        | \$ 61,331,145         | \$ 0.039        |
| <b>Total Base Rate (Fixed Cost)-Non Fuel</b> | <b>\$ 160,761,835</b> | <b>\$ 0.103</b> |
| Fuel Cost                                    | \$ 217,567,039        | \$ 0.139        |
| Total Cost                                   | \$ 378,328,874        | \$ 0.241        |

**Solar PV Production Does Not Avoid Base Rate of \$0.103/kWh**  
**Solar PV Production Does Avoid Fuel Cost**

**Full Burden of Fixed Cost Shifted to Non-NEM Ratepayer**

|   |               |                |
|---|---------------|----------------|
| <b>Total GPA Ratepayers:</b>                  | <b>52,000</b> | <b>\$3,092</b> |
| <b>Ratepayers Without Solar PV:</b>           | <b>50,000</b> | <b>\$3,215</b> |
| <b>Additional Cost Per Non-NEM Ratepayer:</b> |               | <b>\$123</b>   |

**NEM Customers Not Paying for System**  
**Non-Solar Customer Cost are Increased !!!**





# CONSEQUENCE OF NEM RIDER

17

GPA is requesting the PUC revert the current Net Metering Rider to the original language, which stated:

“In no event shall the excess credit from a single month be carried forward beyond twelve (12) months as a credit against the current monthly billing. At the end of each calendar year, or in the event of termination of service under this rider, any excess kWh credits; if any will be granted by the customer to the GPA without compensation to the customer.”

This rider was revised by the PUC on December 10, 2015 to allow solar PV (NEM) customers the option to receive cash payments for excess credit or to carry over credits into the following calendar year.

NEM customers are already being provided an annual subsidy of ~\$3,527,745. NEM programs elsewhere do not provide carry over credits.

Additionally in 2018, GPA issued \$86,283 in cash payments to NEM customers, and carried forward \$241,217 in excess credits under the current NEM program. These credits are more that what it cost to produce the same amount of energy thru GPA. This tends to encourage higher capacity systems in order to receive higher returns. Bad for Non-NEM customers



# SUMMARY - Resolution 2019-20

18

The amended rider negatively impacts non-NEM customers because:

- Non-NEM ratepayers are burdened with a cost for a benefit not received
- Excess credits are paid out at higher cost than what it takes to produce same energy.
  - Excess credit being paid out at ~\$0.25/kWh while it cost GPA only \$0.154/kWh to produce.
- The current rider encourages NEM customers to install excess capacity in order to maximize their credits

Other jurisdictions zero-out excess credit at no cost to the utility and its non-NEM customers

**CCU Resolution 2019–20 authorized GPA to petition the PUC to amend Docket 08-10. This resolution was passed by the CCU on November 26, 2019.**



# Summary of Testimonies

# Testimonies – Jan 9<sup>th</sup> Stakeholder's Outreach Meeting

| Speaker   | Discussion Summary  |
|---|---|
| <b>Stan Wilson</b><br><i>Current NEM Customer who produces excess.</i>  | 1) Battery storage for his system will cost him \$4,500 for batteries alone and if the resolution passes then solar will no longer be a feasible investment.<br>2) Mentioned PG&E in California and state law passed that all new homes be equipped with solar and they do not require battery storage and that the utility agency provides the energy storage.<br>3) Suggested that GPA explore other solutions where GPA provides the solar batteries to flatten the load. He gives a theoretical example of having the power system run its baseload units all day even at off peak or low demand times to continually charge batteries and use batteries during peak times.<br>4) He is okay with paying the \$15/month fee or even doubling it. He is okay adjusting the price of solar from \$0.24 to \$0.10. |
| <b>Brook Powers</b><br><i>Chief Engineer of Adventist World Radio (AWR), Interested in installing solar technology on facilities.</i> | 1) Wanted information on what percentage of storage is required per production of solar?<br>2) What inverter technology will GPA be requiring to stabilize the frequency?<br>3) Is there any option where customer takes on the cost using batteries during peak times and gets additional compensation during those times? He is talking about Time-Of-Use modeling (TOU).   |
| <b>Paulette Coulter</b><br><i>Customer who owns a 9 year old system with a battery backup system.</i>                                 | 1) Wants to know what protections would GPA provide for customers who provide their own PV and battery storage systems?<br>2) What support or information will GPA provide to assist customers with the technical aspects and requirements of PV and energy storage.  |
| <b>Moneka De Oro</b><br><i>"Policy and Curriculum Fellow" Micronesia Climate Change Alliance</i>                                      | 1) Concerned about the utilities impacts towards climate change and de-incentivizing renewables.<br>2) Requesting GPA and CCU to be more aggressive towards renewables.<br>3) Against the justification of the cost of the \$640M new plant versus supporting of costs towards renewable energy.  |
| <b>Henry Simpson</b><br><i>Solar customer for 6 years and has an EV</i>   | 1) Feels solar customers will be an asset to GPA.<br>2) Recommends having solar distributed and not clustered throughout the island.<br>3) Suggests a phased in type of approach where customer gets 5 years to amortize their investment in their system then chose to do a battery or avoided fuel cost vs. upfront requirements.<br>4) Suggest for GPA to work with nonprofits to provide and advocate solar power with a long term 15 year deal at full retail rate, so he can get investors to invest in his race track for solar panels.  |
| <b>Rob Frohne</b><br><i>Adventist World Radio (AWR)</i>   | 1) Requesting more information for studies and specs on our requirements for inverters and other technologies.<br>2) Looking to work with GPA for ways AWR can connect to the grid with renewables and inverters and other requirements.<br>3) Doing a feasibility study for their company solar PV system.   |

## Testimonies – Jan 9<sup>th</sup> Stakeholder’s Outreach Meeting (Cont’d)

| Speaker                                  | Discussion Summary   |
|--|--|
| <b>Jeff Voacolo</b><br><i>COO of MRE</i> | <ol style="list-style-type: none"> <li>1) Agrees with the issue on “Over-build” of PV systems. He uses New Jersey as a recommendation of how GPA should proceed to handle excess payments of NEM customers who over-build their PV systems.</li> <li>2) Worried that resolution 2020-01 “de-incentivize” any business, home, or government entity from installing solar and feels that it will be counter-productive towards GPA’s 50% renewable portfolio goal and other renewable aspects.</li> <li>3) Concerned about it hindering solar in the schools.</li> <li>4) Believes the widespread dysfunction caused by NEM customers on the GPA grid is true for the Dandan solar farm due to its concentration of solar arrays.</li> <li>5) Concerned how the 25MW of Solar is having such a large impact on our grid and saying our Grid might be what is the issue instead of NEM customers.</li> <li>6) Mentioned they have inverters that meet California rule 21 and the IEEE 1547-2018 requirements. States that the resolution is lacking requirements or parameters for frequency control and storage.</li> <li>7) Feels there are disconnects between GPA and the Solar Industry and mentions FW Star Frequency ramp down rates.</li> <li>8) Wants the industry and the utility to work together and provides three recommendations: <ol style="list-style-type: none"> <li>a) Acquire a 3<sup>rd</sup> party independent engineering study be conducted on the grid to propose transformation grid changes and a root cause analysis for the issues and fit the support of PV.</li> <li>b) GPA work with the industry to establish timelines for introductions of PV and NEM.</li> <li>c) Battery rebate program should be established.</li> </ol> </li> </ol> |

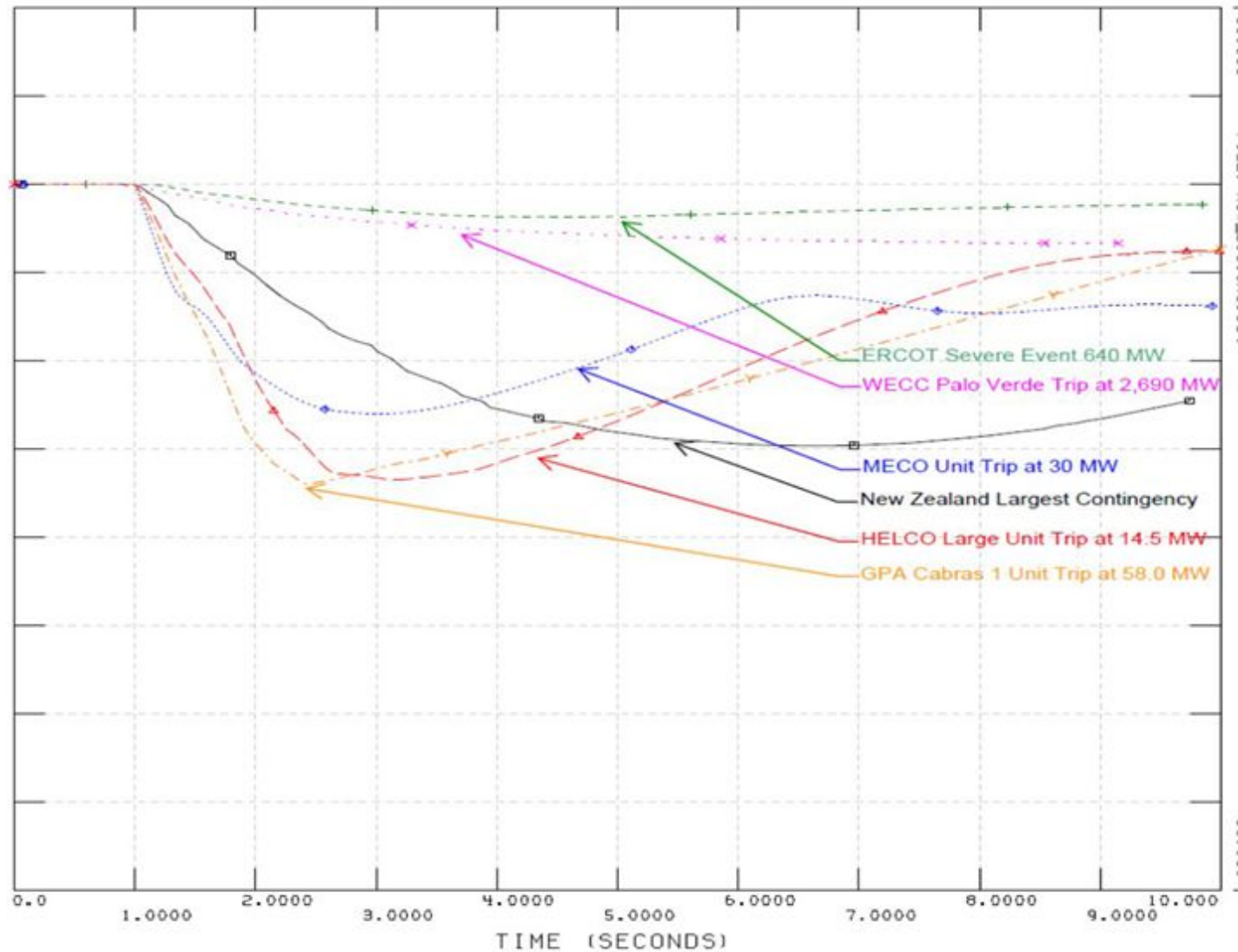
# Previous Testimony of MRE

| Date        | Legislative Hearing   | Witness   | Summary of Testimony/Information  |
|-------------|---|---|---|
| 10/10/ 2019 | Round Table Hearing with Industry Professionals about the type of renewable energy available on Guam  | Jeffrey Voacolo,<br>Chief Operations Officer<br>Micronesia Renewable Energy, Inc. (MRE) | <ul style="list-style-type: none"> <li>- Information provided on Battery Storage, MRE has been installing batteries for 2 years. In the last 2-3 years technology has come so far. Tesla &amp; LG CAM Batteries, 2 batteries needed for average home (around 13.5 kWh for Tesla &amp; 10 kWh for LG CAM) to fully power it through the night.</li> <li>- At wholesale level, cost is estimated around \$5K to \$6K per battery with 10-year warranty. Two batteries in a solar is cheaper than the utilities right now.</li> <li>- Utilities scale batteries been experiencing explosion, ongoing issue.</li> </ul>   |
| 10/14/2019  | Written Testimony on Bill 80-35, AN ACT TO AMEND § 8311 OF ARTICLE 3, CHAPTER 8, TITLE 12, GUAM CODE ANNOTATED, RELATIVE TO RAISING THE RENEWABLE PORTFOLIO STANDARDS OF THE GUAM POWER AUTHORITY | Jeffrey Voacolo,<br>Chief Operations Officer<br>Micronesia Renewable Energy, Inc. (MRE) | <ul style="list-style-type: none"> <li>- Testimony provided regarding Sustainability as one of the three main parameters to reaching the bill's goal of reaching 50% renewable by 2015.</li> <li>- Advocating for greater Distributed Energy (DG) solar utilization on Guam and in favor to add a component of DG onto Bill 80-35.</li> <li>- In 2017, MRE invited CPS Energy's Executive team to Guam. CPS Energy is the nation's largest municipal/publicly owned energy company.</li> <li>- They met with GPA's Executive team &amp; CCU members and spoke about Distributed Energy and Solar Farms.</li> <li>- Their model is using existing commercial buildings and residential customers adding solar energy and now energy storage at the point of consumptions make more sense.</li> </ul> |
| 10/14/2019  | Written Testimony on Bill 80-35, AN ACT TO AMEND § 8311 OF ARTICLE 3, CHAPTER 8, TITLE 12, GUAM CODE ANNOTATED, RELATIVE TO RAISING THE RENEWABLE PORTFOLIO STANDARDS OF THE GUAM POWER AUTHORITY | Joe Rosario,<br>Business Dev Director<br>Micronesia Renewable Energy, Inc. (MRE)        | <ul style="list-style-type: none"> <li>- Testimony provided advocating for greater DG solar utilization on Guam</li> <li>- He stated to imagine "40MW's of distributed generation developed by a local company in the solar industry and constructed by local companies in the solar industry. I can imagine a KWH rate of 13 cents (with storage)."</li> </ul>   |



# GPA Supplemental Data

# Shows GPA System Most Affected by Loss of Generation





# Comparison of Island Communities

|  | Guam                      | Oahu                      | Maui                      | Hawaii                    | Kauai                     |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Land Area</b> (sq mi)<br><i>(includes lakes and rivers)</i> | 210                       | 598                       | 772                       | 4,028                     | 552                       |
| <b>Population</b>  | 167,930                   | 953,207                   | 144,444                   | 200,983                   | 66,921                    |
| <b>Peak System Demand</b> (kW)                                 | 256,000                   | 1,206,000                 | 202,000                   | 192,000                   | 78,000                    |
| <b>Electric Customers</b>                                      | 51,400                    | 304,948                   | 71,352                    | 85,925                    | 37,705                    |
| <b>NEM Customers</b>   | 2,068                     | 71,000                    |                           |                           | 4,300                     |
| <b>NEM kW</b>  | 23,702                    | 524,000                   | 112,000                   | 95,000                    | 31,300                    |
| <b>EV Count</b>  | 20                        | 7,989                     | 1,136                     | 562                       | 316                       |
| <b>Type Utility</b> (IOU, Public, COOP)                        | Public                    | IOU                       | IOU                       | IOU                       | COOP                      |
| <b>Annual Revenue</b>  | \$378,300,000             | \$1,801,439,279           | \$368,184,936             | \$374,734,337             | \$162,659,638             |
| <b>Residential Average Rate</b> (\$/kWh) Oct 2018              | \$ 0.249                  | \$ 0.310                  | \$ 0.340                  | \$ 0.370                  | \$ 0.370                  |
| <b>Latitude/Longitude</b>                                      | 13.4443° N<br>144.7937° E | 21.4389° N<br>158.0001° W | 20.7984° N<br>156.3319° W | 19.5429° N<br>155.6659° W | 22.0964° N<br>159.5261° W |
| <b>Income per capita</b>                                       | \$ 16,549                 | \$ 32,194                 | \$ 30,599                 | \$ 25,827                 | \$ 28,791                 |
| <b>Average kW/Customer</b>                                     | 5.0                       | 4.0                       | 2.8                       | 2.2                       | 2.1                       |
| <b>Average kW/Person</b>                                       | 1.5                       | 1.3                       | 1.4                       | 1.0                       | 1.2                       |
| <b>Average NEM kW/NEM Customer</b>                             | 11.5                      |                           | 10.3                      |                           | 7.3                       |
| <b>Average kWh Usage</b>                                       | 940                       | 493                       | 533                       | 471                       | 503                       |
| <b>Average Monthly Bill</b>                                    | \$234                     | \$153                     | \$181                     | \$174                     | \$186                     |
|  |                           |                           |                           |                           |                           |



# ESS Cost Sharing Analysis:

| Frequency Control Energy Storage System: |              |                    |                      |
|--|--------------|--------------------|----------------------|
| Benefits:                                |              | Non-NEM            | NEM/Non-NEM          |
| Location:                                |              | Talofofo GlidePath | Hagatna NEM / System |
| Battery KW Size                          | 40,000       | 16,000             | 24,000               |
| Investment                               | \$35,000,000 | \$14,000,000.00    | \$21,000,000.00      |
| Annual Debt Service 5%, 20 years         | \$2,006,065  | \$802,426.00       | \$1,203,639.00       |
| Annual O&M                               | \$300,000    | \$120,000.00       | \$180,000.00         |
| Total Annual Cost                        | \$2,306,065  | \$922,426.00       | \$1,383,639.00       |
| Total NEM Customers - Dec, 2019          |              |                    | 2,068                |
| Total NEM KW                             |              |                    | 23,702               |
| Annual Cost NEM/Non-NEM                  |              |                    | \$1,383,639          |
| NEM 50% Share                            |              |                    | \$691,820            |
| Cost/NEM Customer/Month                  |              |                    | \$27.88              |
| NEM Annual Energy                        |              |                    | 37,373,314           |
| \$/Kwh ESS for NEM Customers             |              |                    | \$0.019              |
| Cost/KW/Month                            |              |                    | \$2.43               |
| Average NEM KW                           |              |                    | 11.46                |
| \$/Month/NEM Avg. KW                     |              |                    | \$27.88              |

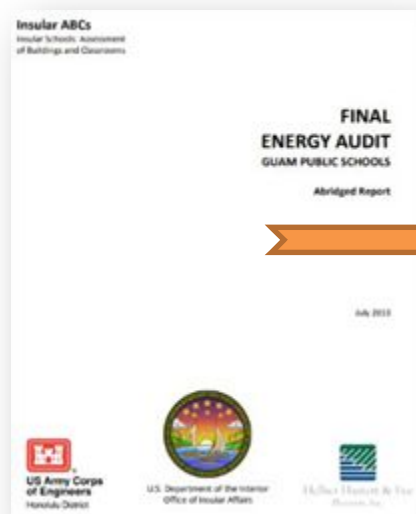
# Guam Department of Education

Energy  
Assessment/Audit

Energy  
Conservation

Energy Efficiency

Preventative  
Maintenance



## RECOMMENDED ENERGY CONSERVATION MEASURES

- Programmable thermostats
- LED fixtures & lamps
- Solar hot water heaters
- Heat recovery/ desuperheater systems



## RECOMMENDED ENERGY & WATER REDUCTION MEASURES

\$ 41,499,900  
Investment



\$ 4,261,531  
Annual Savings

## **GDOE DATA (FY2019)**

**Annual Energy Usage** 43,411,121

**Annual kW Demand** 68,260

**Annual Cost** \$ 13,049,536.84

**\$/kWh** \$ 0.301

**GDOE Load Factor** 7.3%

## 80% SOLAR PV REQUIREMENTS

**kWh Required** 34,728,896

**Capacity Factor** 18.0%

**kW Required** 22,025

## 80% ANNUAL ENERGY \$

Rate \$/kWh \$/year

**LEAC** \$ 0.154 \$ 5,348,250

**Base** \$ 0.147 \$ 5,091,379



# GDOE Savings is a Ratepayer Subsidy!

28

## GDOE SOLAR PV COST ESTIMATION

|                                | <u>WITHOUT ESS (per kWh)</u> | <u>WITH FREQUENCY ESS (per kWh)</u> |
|--------------------------------|------------------------------|-------------------------------------|
| <i>Installation \$/Watt</i>    | \$ 3.00                      | \$ 4.50                             |
| <i>Total Watts</i>             | 22,024,922                   | 22,024,922                          |
| <i>Annual kWh</i>              | 34,728,896                   | 34,728,896                          |
| <i>Investment Required</i>     | <b>\$ 66,074,765</b>         | <b>\$99,112,147</b>                 |
| <i>Life (years)</i>            | 20                           | 20                                  |
| <i>Interest Rate</i>           | 5.0%                         | 5.0%                                |
| <i>Debt Service</i>            | \$ 5,302,029                 | \$ 7,953,043                        |
| <i>O&amp;M @ 5% DS</i>         | \$ 265,101                   | \$ 397,652                          |
| <i>Annual Cost</i>             | <b>\$ 5,567,130</b>          | <b>\$8,350,695</b>                  |
| <i>Cost/kWh</i>                | \$ 0.160                     | \$ 0.240                            |
| <i>FY2020 without Solar PV</i> | \$ 0.285                     | \$ 0.285                            |
| <i>Solar PV \$/kWh</i>         | \$ 0.160                     | \$ 0.160                            |
| <i>ESS \$/kWh</i>              | \$ -                         | \$ 0.080                            |
| <i>Savings \$/kWh</i>          | \$ 0.124                     | \$ 0.044                            |
| <i>Cost Reduction</i>          | <b>\$ 4,316,837</b>          | <b>\$ 1,538,525</b>                 |

### RESULT

**GPA System  
Cost Avoided**

**\$5,091,379**  
**Burden Shifted  
to Non-NEM  
Customers**





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

## **Issues for Decision**

### **Resolution No. 2020-05:**

#### **Relative to Authorizing the Management of GPA to Petition the GPUC to Create a condominium Rate Schedule**

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

As a Public Corporation and an enterprise fund it is expected that GPA will set its rates in a manner that will cover the costs of operation of the Authority. The rates of the Authority are subject to regulation by the Public Utilities Commission (PUC). Condominium customers are currently charged under Rate Schedules G (General Service Non-Demand), J (General Service Demand), or P (Large Power Service). Several condominium owners, occupants and representatives thereof seek to apply Rate Schedule R (Residential Service, for single phase service metered dwellings) to condominium customers.

The PUC has requested a recommendation from GPA and CCU on the petition before them to provide residential rates for condominium homes. GPA seeks an equitable rate plan which reflects actual cost of service. The Authority is to file a petition to create a rate for condominium with master meter servicing multiple dwelling units not individually metered, and amend Rate Schedule R to include three phase service metered single family dwellings.

The proposed tariff will be available for condominium buildings in service or within the active building permit process as of the approved date of the tariff by Public Utilities Commission. Some condominium customers might not wish to change their Rate Schedule (G, J or P). A customer shall be given a one-time option to elect to transfer to Rate Schedule D.

GPA requests the Consolidated Commission on Utilities to authorize the Authority to file such petition with the Guam Public Utilities Commission.



**CONSOLIDATED COMMISSION ON UTILITIES**  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

**RESOLUTION NO. 2020-05**

**AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE GUAM  
PUBLIC UTILITIES COMMISSION TO CREATE A CONDOMINIUM RATE SCHEDULE**

**WHEREAS**, under 12 G.C.A. §8104, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual and policy matters relative to the Guam Power Authority; and

**WHEREAS**, the Guam Power Authority (GPA) is a Public Corporation and an enterprise fund of the Government of Guam; and

**WHEREAS**, as a Public Corporation and an enterprise fund it is expected that GPA will set its rates in a manner that will cover the costs of operation of the Authority; and

**WHEREAS**, the rates of the Authority are subject to regulation by the Public Utilities Commission (PUC); and

**WHEREAS**, condominium customers are currently charged under Rate Schedules G (General Service Non-Demand), J (General Service Demand), or P (Large Power Service); and

**WHEREAS**, several condominium owners, occupants and representatives thereof seek to apply Rate Schedule R (Residential Service, for single phase service metered dwellings) to condominium customers; and

**WHEREAS**, the PUC has requested a recommendation from GPA and CCU on the petition before them to provide residential rates for condominium homes; and

**WHEREAS**, GPA seeks an equitable rate plan which reflects actual cost of service; and

**WHEREAS**, the Authority is to file a petition to create a rate for condominium with master meter servicing multiple dwelling units not individually metered, and amend Rate Schedule R to include three phase service metered single family dwellings; and

**WHEREAS**, the proposed tariff and amendment to the tariff are included in **Exhibit A** to this filing; and

28           **WHEREAS**, the proposed tariff will be available for condominium buildings in service or within  
29 the active building permit process as of the approved date of the tariff by Public Utilities Commission;  
30 and

31           **WHEREAS**, some condominium customers might not wish to change their Rate Schedule (G, J  
32 or P); and

33           **WHEREAS**, a customer shall be given a one-time option to elect to transfer to Rate Schedule D  
34 as shown in **Exhibit A**; and

35           **WHEREAS**, GPA requests the Consolidated Commission on Utilities to authorize the Authority  
36 to file such petition with the Guam Public Utilities Commission; and

37  
38 **NOW, THEREFORE BE IT RESOLVED**, by the Consolidated Commission on Utilities as follows:  
39

- 40           1. The General Manager of the Guam Power Authority is authorized to petition the Public  
41 Utilities Commission to create rates for condominium residential homes and amend Rate  
42 Schedule R – Residential Services to include three phase service metered single family  
43 dwellings as shown in **Exhibit A**.  
44
- 45           2. The General Manager of the Guam Power Authority is authorized to implement the revised  
46 tariff as provided in **Exhibit A**, upon approval by the Public Utilities Commission.  
47

48           **RESOLVED**, that the Chairman certifies and the Board Secretary attests to the adoption of this  
49 Resolution.  
50

51           **DULY AND REGULARLY ADOPTED AND APPROVED THIS 21<sup>st</sup> DAY OF FEBUARY 2020.**  
52

Certified by:

Attested by:

---

JOSEPH T. DUENAS  
Chairperson  
Consolidated Commission on Utilities

---

MICHAEL T. LIMTIACO  
Secretary  
Consolidated Commission on Utilities

53

54

55

SECRETARY'S CERTIFICATE

56

57

I, Michael T. Limtiaco, Secretary for the Consolidated Commission on Utilities (CCU), as

58

evidenced by my signature above do certify as follows: The foregoing is a full, true, and accurate

59

copy of the resolution duly adopted at a regular meeting of the members of Guam Consolidated

60

Commission on Utilities, duly and legally held at a place properly noticed and advertised at which

61

meeting a quorum was present and the members who were present voted as follows:

62

63

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

64

65

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

66

67

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

68

69

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



# Summary

---

- Proposed Condominium Rate Comparisons to Residential rates, Cost of Service Rate.

| Rate Class     | Current Revenue     | Residential Rates   | Cost of Service Rates | Proposed Rates      |
|----------------|---------------------|---------------------|-----------------------|---------------------|
| Rate J         | \$ 1,474,788        | \$ 1,405,723        | \$ 1,466,119          | \$ 1,424,812        |
| Rate P         | 4,525,948           | 4,083,834           | 3,987,933             | 4,057,080           |
| Rate G         | 326,337             | 305,405             | 323,812               | 311,591             |
| <b>Total</b>   | <b>\$ 6,327,073</b> | <b>\$ 5,794,962</b> | <b>\$ 5,777,864</b>   | <b>\$ 5,793,483</b> |
| Revenue Change |                     | \$ (532,110)        | \$ (549,209)          | \$ (533,590)        |

- Residential rates revenue loss - \$532,110
- Cost based rates revenue loss - \$549,209
- Proposed rates annual revenue loss: \$533,590
- Most customers will see reductions

# Proposed Condominium Rate

---

## Rate Schedule D

|                                |           |                 |
|--------------------------------|-----------|-----------------|
| <b>Monthly Charge</b>          | <b>\$</b> | <b>59.25</b>    |
| <b>Energy Charges- per kWh</b> | <b>\$</b> | <b>0.060600</b> |
| <b>Demand Charges</b>          | <b>\$</b> | <b>12.00</b>    |
| <b>Water-Well Charge</b>       | <b>\$</b> | <b>0.002790</b> |
| <b>Fuel Recovery Charge</b>    | <b>\$</b> | <b>0.134474</b> |

# Customer Impacts

| Rate P Customers | Proposed Rates |
|------------------|----------------|
| Customer 1       | -21.3%         |
| Customer 2       | -15.8%         |
| Customer 3       | -17.0%         |
| Customer 4       | -13.6%         |
| Customer 5       | -13.8%         |
| Customer 6       | -9.7%          |
| Customer 7       | -8.7%          |
| Customer 8       | -8.7%          |
| Customer 9       | -6.8%          |
| Customer 10      | -5.7%          |

| Rate J Customers | Proposed Rates |
|------------------|----------------|
| Customer 1       | -27%           |
| Customer 2       | -27%           |
| Customer 3       | -17%           |
| Customer 4       | -14%           |
| Customer 5       | -5%            |
| Customer 6       | -11%           |
| Customer 7       | -4%            |
| Customer 8       | -5%            |
| Customer 9       | -4%            |
| Customer 10      | -2%            |
| Customer 11      | -1%            |
| Customer 12      | 0%             |
| Customer 13      | 1%             |
| Customer 14      | 1%             |
| Customer 15      | -13%           |

# Rate Comparison

| Proposed Condominium Rate |    |          | Rate Schedule P Difference |    |                       |
|---------------------------|----|----------|----------------------------|----|-----------------------|
| Monthly Charge            | \$ | 59.25    | Monthly Charge             | \$ | 59.25 \$ -            |
| Energy Charges- per kWh   | \$ | 0.060600 | 1st 55,000 kWh             | \$ | 0.141700 \$ (0.08110) |
|                           |    |          | Over 55,000 kWh            | \$ | 0.064440 \$ (0.00384) |
| Demand Charges            | \$ | 12.00    | Demand Charges             | \$ | 8.94 \$ 3.06          |
| Water-Well Charge         | \$ | 0.002790 | Water-Well Charge          | \$ | 0.002790 \$ -         |
| Fuel Recovery Charge      | \$ | 0.134474 | Fuel Recovery Charge       | \$ | 0.134474 \$ -         |

# Rate Comparison (Continued)

| Proposed Condominium Rate |    |          |                      |    |          | Rate Schedule J |           | Difference |
|---------------------------|----|----------|----------------------|----|----------|-----------------|-----------|------------|
| Monthly Charge            | \$ | 59.25    | Monthly Charge       | \$ | 38.33    | \$              | 20.92     |            |
| Energy Charges- per kWh   | \$ | 0.060600 | 1st 5,000 kWh        | \$ | 0.194370 | \$              | (0.13377) |            |
|                           |    |          | Over 5,000 kWh       | \$ | 0.064440 | \$              | (0.00424) |            |
| Demand Charges            | \$ | 12.00    | Demand Charges       | \$ | 8.94     | \$              | 6.20      |            |
| Water-Well Charge         | \$ | 0.002790 | Water-Well Charge    | \$ | 0.002790 | \$              | -         |            |
| Fuel Recovery Charge      | \$ | 0.134474 | Fuel Recovery Charge | \$ | 0.134474 | \$              | -         |            |

# Rate Comparison (Continued)

| Proposed Condominium Rate |    |          |                      |    |          | Rate Schedule G |           | Difference |  |
|---------------------------|----|----------|----------------------|----|----------|-----------------|-----------|------------|--|
| Monthly Charge            | \$ | 59.25    | Monthly Charge       | \$ | 14.16    | \$              | 45.09     |            |  |
| Energy Charges- per kWh   | \$ | 0.060600 | 1st 500 kWh          | \$ | 0.197850 | \$              | (0.13725) |            |  |
|                           |    |          | Over 500 kWh         | \$ | 0.064440 | \$              | (0.04548) |            |  |
| Demand Charges            | \$ | 12.00    | Demand Charges       | \$ | -        | \$              | 12.00     |            |  |
| Water-Well Charge         | \$ | 0.002790 | Water-Well Charge    | \$ | 0.002790 | \$              | -         |            |  |
| Fuel Recovery Charge      | \$ | 0.134474 | Fuel Recovery Charge | \$ | 0.134474 | \$              | -         |            |  |

# Rate Comparisons to Rate Schedule P– (3 Phase Meter)

| Rates                                      | Residential Rates | Current Rates | Cost-Based Rates  | Proposed Rates |
|--|-------------------|---------------|-------------------|----------------|
| Monthly Facilities Charge:                 |                   |               |                   |                |
| All Customers                              | \$ 15.00          | \$ 59.25      | \$ <b>214.54</b>  | \$ 59.25       |
| Non-Fuel Energy Charge:                    |                   |               |                   |                |
| Base Block 1 (0 - 500 kWh)                 | \$ <b>0.06955</b> |               | \$ <b>0.00407</b> |                |
| Base Block 2 (Excess)                      | \$ <b>0.08687</b> |               | \$ <b>0.00407</b> |                |
| Insurance Adder (All Blocks)               | \$ -              | \$ -          | \$ -              |                |
| Demand                                     |                   | 8.94          | <b>37.34</b>      | 12.00          |
| Water Wastewater Adder (Excess Block Only) | \$ 0.00279        | \$ 0.00279    | \$ <b>0.00279</b> | \$ 0.00279     |
| Working Capital (All Blocks)               | \$ -              | \$ -          | \$ -              |                |
| Total Non-Fuel Energy Charge:              |                   |               |                   |                |
| Block 1 (0 - 55,000 kWh)                   |                   | \$ 0.14170    |                   | \$ 0.06060     |
| Block 2 (Excess)                           |                   | \$ 0.06444    |                   | \$ 0.06060     |
| LEAC                                       |                   |               |                   |                |
| All Energy                                 | \$ 0.15569        | \$ 0.15569    | \$ <b>0.15569</b> | \$ 0.15569     |
| Revenue from Rate                          | 4,083,834         | 4,525,948     | 3,987,933         | 4,057,080      |
| Change from Previous                       | -9.8%             |               | -11.9%            | -10.4%         |

# Sample Bill for Rate Schedule P Customer

|   | Customer A     |
|---|----------------|
| <b>EXISTING RATE P: (3-Phase Meter)</b> |                |
| <b>Number of Units</b>                  | <b>220</b>     |
| <b>kWh</b>                              | <b>179,257</b> |

| Rate Schedule P      | Rate        | Amount              |
|----------------------|-------------|---------------------|
| Monthly Charge       | \$ 59.25    | \$ 59.25            |
| Energy Charges       |             |                     |
| 1st 55,000 KWH       | \$ 0.141700 | \$ 7,793.50         |
| Over 55,000 KWH      | \$ 0.064440 | \$ 8,007.11         |
| Demand Charges       | \$ 8.94     | \$ 2,641.41         |
| Water-Well Charge    | \$ 0.002790 | \$ 500.13           |
| Fuel Recovery Charge | \$ 0.134474 | \$ 24,105.38        |
| Power Factor         |             | \$ (593.32)         |
| <b>Total</b>         |             | <b>\$ 42,513.46</b> |

| Proposed             | Rate        | Amount              |
|----------------------|-------------|---------------------|
| Monthly Charge       | \$ 59.25    | \$ 59.25            |
| Energy Charges:      | \$ 0.060600 | \$ 10,862.96        |
| Demand Charges       | \$ 12.00    | \$ 3,545.52         |
| Water-Well Charge    | \$ 0.002790 | \$ 500.13           |
| Fuel Recovery Charge | \$ 0.134474 | \$ 24,105.38        |
| <b>Total</b>         |             | <b>\$ 39,073.24</b> |

|            |  |               |
|------------|--|---------------|
| Difference |  | \$ - 3,440.22 |
|            |  | - 8.1%        |



# Rate Comparisons to Rate Schedule J

| Rates                                      | Residential Rates | Current Rates | Cost-Based Rates | Proposed Rates |
|--|-------------------|---------------|------------------|----------------|
| Monthly Facilities Charge:                 |                   |               |                  |                |
| All Customers                              | \$ 15.00          | \$ 38.33      | \$ 214.54        | \$ 59.25       |
| Non-Fuel Energy Charge:                    |                   |               |                  |                |
| Base Block 1 (0 - 500 kWh)                 | \$ 0.06955        |               | \$ 0.00407       |                |
| Base Block 2 (Excess)                      | \$ 0.08687        |               | \$ 0.00407       |                |
| Insurance Adder (All Blocks)               | \$ -              | \$ -          | \$ -             |                |
| Demand                                     |                   | \$ 5.80000    | 37.34            | \$ 12.00       |
| Water Wastewater Adder (Excess Block Only) | \$ 0.00279        | \$ 0.00279    | \$ 0.00279       | \$ 0.00279     |
| Working Capital (All Blocks)               | \$ -              | \$ -          | \$ -             |                |
| Total Non-Fuel Energy Charge:              |                   |               |                  |                |
| Block 1 (0 - 500 kWh)                      |                   | \$ 0.19437    |                  | \$ 0.0606      |
| Block 2 (Excess)                           |                   | \$ 0.06484    |                  | \$ 0.0606      |
| LEAC                                       |                   |               |                  |                |
| All Energy                                 | \$ 0.15569        | \$ 0.15569    | \$ 0.15569       | \$ 0.1557      |
| Revenue from Rate                          | 1,403,595         | 1,472,643     | 1,465,208        | 1,422,813      |
| Change from Previous                       | -4.7%             |               | -0.5%            | -3.4%          |

# Sample Bill for Rate Schedule J Customer

|   | Customer B    |
|---|---------------|
| <b>EXISTING RATE J: (3-Phase Meter)</b> |               |
| <b>Number of Units</b>                  | <b>22</b>     |
| <b>kWh</b>                              | <b>45,378</b> |

| Rate Schedule P      | Rate        | Amount              |
|----------------------|-------------|---------------------|
| Monthly Charge       | \$ 38.33    | \$ 38.33            |
| Energy Charges       |             |                     |
| 1st 5,000 kWh        | \$ 0.194370 | \$ 971.85           |
| Over 5,000 kWh       | \$ 0.064840 | \$ 2,618.11         |
| Demand Charges       | \$ 5.800000 | \$ 663.52           |
| Water-Well Charge    | \$ 0.002790 | \$ 126.60           |
| Fuel Recovery Charge | \$ 0.134474 | \$ 6,102.17         |
| <b>Total</b>         |             | <b>\$ 10,520.58</b> |

| Proposed             | Rate        | Amount              |
|----------------------|-------------|---------------------|
| Monthly Charge       | \$ 59.25    | \$ 59.25            |
| Energy Charges:      | \$ 0.060600 | \$ 2,749.91         |
| Demand Charges       | \$ 12.00    | \$ 1,372.80         |
| Water-Well Charge    | \$ 0.002790 | \$ 121.60           |
| Fuel Recovery Charge | \$ 0.134474 | \$ 6,102.17         |
| <b>Total</b>         |             | <b>\$ 10,410.73</b> |

|            |  |             |
|------------|--|-------------|
| Difference |  | \$ - 109.85 |
|            |  | - 1.0%      |

# Rate Comparisons to Rate Schedule G

| Rates                                      | Residential Rates | Current Rates | Cost-Based Rates | Proposed Rates |
|--|-------------------|---------------|------------------|----------------|
| Monthly Facilities Charge:                 |                   |               |                  |                |
| All Customers                              | \$ 15.00          | \$ 14.16      | \$ 214.54        | \$ 59.25       |
| Non-Fuel Energy Charge:                    |                   |               |                  |                |
| Base Block 1 (0 - 500 kWh)                 | \$ 0.06955        | \$ 0.19785    | \$ 0.00407       |                |
| Base Block 2 (Excess)                      | \$ 0.08687        | \$ 0.10608    | \$ 0.00407       |                |
| Insurance Adder (All Blocks)               | \$ -              | \$ -          | \$ -             |                |
| Demand                                     |                   | \$ -          | 37.34            | \$ 12.00       |
| Water Wastewater Adder (Excess Block Only) | \$ 0.00279        | \$ 0.00279    | \$ 0.00279       | \$ 0.00279     |
| Working Capital (All Blocks)               | \$ -              | \$ -          | \$ -             |                |
| Total Non-Fuel Energy Charge:              |                   |               |                  |                |
| Block 1 (0 - 500 kWh)                      |                   |               |                  | \$ 0.0606      |
| Block 2 (Excess)                           |                   |               |                  | \$ 0.0606      |
| LEAC                                       |                   |               |                  |                |
| All Energy                                 | \$ 0.15569        | \$ 0.15569    | \$ 0.15569       | \$ 0.1557      |
| Revenue from Rate                          | 305,405           | 326,337       | 323,812          | 311,591        |
| Change from Previous                       | -6.4%             |               | -0.8%            | -4.5%          |

# Cost of Service

| Customer Class         | Cost of Service | Projected Rate Revenue | Projected LEAC Revenue | Projected Revenues | % Change |
|------------------------|-----------------|------------------------|------------------------|--------------------|----------|
| Residential (R)        | \$ 148,939,030  | \$ 48,257,671          | \$ 77,953,487          | \$ 126,211,158     | 18.0%    |
| Small General (G 1φ)   | 11,339,693      | 6,028,481              | 6,460,535              | 12,489,016         | -9.2%    |
| Small General (G 3φ)   | 12,457,385      | 6,142,248              | 7,348,304              | 13,490,552         | -7.7%    |
| Small Govt. (S 1φ)     | 1,643,672       | 959,180                | 866,744                | 1,825,923          | -10.0%   |
| Small Govt. (S 3φ)     | 2,066,786       | 1,114,738              | 1,242,041              | 2,356,779          | -12.3%   |
| General Service (J 1φ) | 2,359,078       | 1,132,261              | 1,373,753              | 2,506,014          | -5.9%    |
| General Service (J 3φ) | 41,580,441      | 20,056,660             | 26,102,741             | 46,159,401         | -9.9%    |
| Large Power (P)        | 71,804,117      | 31,131,633             | 47,077,759             | 78,209,392         | -8.2%    |
| Small Govt. (K 1φ)     | 584,731         | 347,143                | 320,950                | 668,092            | -12.5%   |
| Small Govt. (K 3φ)     | 22,386,975      | 12,626,883             | 14,486,586             | 27,113,468         | -17.4%   |
| Large Govt. (L)        | 17,503,306      | 9,297,553              | 11,361,256             | 20,658,809         | -15.3%   |
| Navy (N)               | 70,040,361      | 19,905,605             | 50,544,393             | 70,449,997         | -0.6%    |
| IPP (I)                | 194,910         | 48,891                 | 65,077                 | 113,968            | 71.0%    |
| Condos                 | 5,777,881       | 2,654,392              | 3,676,318              | 6,330,710          | -8.7%    |
| Total                  | \$ 414,743,525  | \$ 164,340,467         | \$ 250,403,058         | \$ 414,743,525     | 0.0%     |

## Exhibit A

Issued April 1, 2020  
Effective with meters read  
on and after April 1, 2020

### Rate Schedule "D"

#### GUAM POWER AUTHORITY

#### SCHEDULE "D"

#### Condominium Service

##### Availability:

Applicable to condominium with master meter servicing multiple dwelling units not individually metered.

The schedule is available for condominium in service or applied before April 1, 2020 and have made a one-time election to move to rate schedule D from rate schedule G, J, or P. Once the customer is transferred to rate schedule D, the customer cannot move to another rate schedule.

##### Monthly Rate:

|                                    |             |           |
|------------------------------------|-------------|-----------|
| Energy Charge:                     | -per kWh    | \$0.06060 |
| Demand Charge:                     |             |           |
| Per kW of billing demand per month | - per kW    | 12.00     |
| Customer Charge:                   | - per month | \$59.25   |

##### Determination of Demand:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the maximum demand for such month or, 85% of the customer's highest metered maximum demand for the preceding (11) eleven months.

Issued April 1, 2020  
Effective with meters read  
on and after April 1, 2020

**Rate Schedule "D"**

**SCHEDULE "D" (Continued)**

**Fuel Recovery Charge:**

The Fuel Recovery Charge, as specified in Schedule "Z", will be added to each bill for service.

**Insurance Charge:**

An insurance charge of \$0.00290 per kWh shall be billed monthly unless suspended by the Authority when Commission insurance reserve criteria have been met. The Authority may reinstate the insurance charge when Commission reinstatement criteria have been met. The insurance charge will be suspended or reinstated in conjunction with the Navy insurance charge.

**Emergency Water Well and Wastewater Charge:**

An Emergency Water Well and Wastewater charge of \$0.00279 per kWh will be billed monthly unless otherwise ordered by the Commission.

**Working Capital Fund Surcharge:**

A Working Capital Fund (WCF) Surcharge of was established by the Public Utilities Commission (PUC) on June 20, 2011. The surcharge allows adjustments every six months to enable the Authority to recover increases or decreases in the Working Capital Fund Requirement caused by the increasing or decreasing price of fuel. GPA will petition the PUC in conjunction with its Levelized Energy Adjustment Clause filings every June 15 and December 15 for the increase or decrease required to ensure the Authority is able to meet this funding requirement.

**Rules:**

Service supplied under this rate shall be subject to the Service Rules of the Authority.

**Riders:**

Charges in addition to the above are applicable under certain conditions more specifically set forth and incorporated herein.

Schedule A - Accommodation Service Charges  
Schedule B - Service Establishment Charges  
Schedule C – Net Metering

Issued March 21, 1984  
 Revised ~~October 01, 2015~~ April 1, 2020  
 Effective with meters read  
 on and after ~~October 01, 2015~~ April 1, 2020

**Rate Schedule "R"****GUAM POWER AUTHORITY****SCHEDULE "R"****Residential Service****Availability:**

Applicable to single phase and three phase residential lighting, heating, cooking, air conditioning and power in a single family dwelling unit metered and billed separately by the Authority. This schedule does not apply where residence and business are combined nor where the average daily consumption is more than 200 kilowatt hours per day. A Residential (Schedule R) customer will be transferred to the Small General Demand rate schedule (Schedule J), if the customer's average daily kWh consumption exceeds 200 kWh per day for any (6) six of the customer's last (12) twelve billing months.

When transferred to a new rate schedule, the customer must remain on that rate schedule for a minimum of (6) six billing months.

**Monthly Rate:****Non-Fuel Energy Charge**

|                         |           |           |
|-------------------------|-----------|-----------|
| First 500 kWh per month | - per kWh | \$0.06955 |
| Over 500 kWh per month  | - per kWh | \$0.08687 |

|                 |             |         |
|-----------------|-------------|---------|
| Customer Charge | - per month | \$15.00 |
|-----------------|-------------|---------|

**Fuel Recovery Charge:**

The Fuel Recovery Charge, as specified in Schedule "Z", will be added to each bill for service.

**Insurance Charge:**

An insurance charge of \$0.00290 per kWh shall be billed monthly unless suspended by the Authority when the Commission insurance reserve criteria have been met. The Authority may reinstate the insurance charge when the Commission reinstatement criteria have been met. The insurance charge will be suspended or reinstated in conjunction with the Navy insurance charge.

**Emergency Water Well and Wastewater Charge:**

An Emergency Water Well and Wastewater charge of \$0.00279 per kWh in excess of 500 kilowatt hour usage, will be billed monthly.

Issued March 21, 1984  
Revised ~~October 01, 2015~~ April 1, 2020  
Effective with meters read  
on and after ~~October 01, 2015~~ April 1, 2020

**Rate Schedule "R"**

**SCHEDULE "R" (Continued)**

**Working Capital Fund Surcharge:**

A Working Capital Fund (WCF) Surcharge of was established by the Public Utilities Commission (PUC) on June 20, 2011. The surcharge allows adjustments every six months to enable the Authority to recover increases or decreases in the Working Capital Fund Requirement caused by the increasing or decreasing price of fuel. GPA will petition the PUC in conjunction with its Levelized Energy Adjustment Clause filings every June 15 and December 15 for the increase or decrease required to ensure the Authority is able to meet this funding requirement.

**Apartment House Collection Arrangement:**

Any apartment owner having (3) three or more apartments at one location, each apartment being separately metered and billed on the above rate, may elect to accept a discount of ten percent (10%) of the amount of the bills rendered for each apartment, but not to exceed \$5.00 per month for each apartment, upon entering into the following collection agreement with the Authority under the following terms and conditions:

1. All accounts shall be kept in the name of the apartment house owner who shall assume the responsibility for the prompt payment of all bills.
2. All accounts shall remain active at all times. Individual apartments cannot be added to or deleted from this agreement more often than once in (12) twelve months.
3. The Authority will render individual bills for each apartment on a regular billing period basis and will also furnish a statement showing gross and net billings.

**Multi-Family Dwellings:**

In apartment buildings or other residential premises where additional dwelling units are created by alterations or modifications to the premises and where the separate metering and billing by the Authority of the service used in each dwelling unit is impractical, the service may be supplied through a single meter. In such instances the above rate shall be increased by \$1.50 per month for each dwelling unit on the premises.



Issued March 21, 1984  
Revised ~~October 01, 2015~~ April 1, 2020  
Effective with meters read  
on and after ~~October 01, 2015~~ April 1, 2020

**Rate Schedule "R"**

**SCHEDULE "R" (Continued)**

Rules:

Service supplied under this rate shall be subject to the Service Rules of the Authority.

Riders:

Charges in addition to the above are applicable under certain conditions more specifically set forth and incorporated herein.

Schedule A - Accommodation Service Charges  
Schedule B - Service Establishment Charges  
Schedule C – Net Metering



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

## Issues for Decision

### **Resolution No. 2020-06:**

#### **Relative to: Authorizing the Management of Guam Power Authority to Solicit Bids (IFB) for the Supply of Residual Fuel Oil No.6 for the Baseload Plants.**

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

The Guam Power Authority's current contract for Supply of Residual Fuel Oil No.6 for the Baseload Plants is expiring in August 31, 2020. The fuel supply contract is necessary to provide uninterrupted supply of fuel for the Baseload plants.

##### **Where is the location?**

Residual Fuel Oil No.6 will be supplied to the baseload plants

1. Cabras 1&2
2. MEC 8&9

##### **How much will it cost?**

The 2-year contract is estimated to exceed \$1.5M requiring prior approval from the PUC.

##### **When will it be completed?**

The contract is planned for an initial period of three (3) years to commence on or about September 01, 2020 and to expire on August 31, 2023, with the option to extend for two (2) additional one-year terms.

##### **What is its funding source?**

Fuel revenue funds

##### **The RFP/BID responses:**

The IFB solicitation will commence after CCU and PUC approval.



CONSOLIDATED COMMISSION ON UTILITIES  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

1 **RESOLUTION NO. 2020-06**

2 **AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PROCEED**  
3 **WITH THE PROCUREMENT OF A CONTRACTOR FOR THE BULK SUPPLY OF RESIDUAL FUEL OIL NO.6**  
4 **FOR THE BASELOAD POWER GENERATING PLANTS**

5  
6 **WHEREAS**, the two (2) year base period for the current contract with Mobil Oil Guam, Inc  
7 ("Mobil") for the Supply of Residual Fuel Oil (RFO) for the Baseload Power Generating Units under  
8 GPA-009-18 will expire on August 31, 2020; and

9 **WHEREAS**, the contract allows for a 3 one-year extension option with mutual agreement of  
10 both parties; and

11 **WHEREAS**, GPA negotiated with Mobil for the contract extension option with the existing  
12 terms and conditions; and

13 **WHEREAS**, Mobil declined the contract extension either for the first (1<sup>st</sup>) year or the full three  
14 (3) year extension period and would prefer participating in a new tender; and

15 **WHEREAS**, GPA intends to issue a new Invitation for Bid for the procurement of Residual Fuel  
16 Oil No.6 for a base period of three (3) years, to commence on or about September 01, 2020  
17 through August 31, 2023, with two (2) additional one-year extension options; and

18 **WHEREAS**, the draft bid solicitation documents for the procurement of a new Residual Fuel  
19 Oil No.6 supply contract is hereby attached as **Exhibit A**; and

20 **WHEREAS**, the total cost for the new contract is anticipated to exceed \$1.5M requiring GPA to  
21 seek authorization for this procurement from the PUC; and

22 **WHEREAS**, GPA is requesting the approval of the CCU to petition the PUC for the issuance of  
23 an Invitation for Bid for a new Residual Fuel Oil No.6 supply contract.

24  
25 **NOW THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on Utilities, subject to the  
26 review and approval of the Public Utilities Commission, as follows:  
27

- 28 1. GPA's request to solicit competitive bids for a new Residual Fuel Oil No.6 supply contract  
29 through a Multi-Step Bid process is reasonable, prudent and beneficial to its customers.  
30  
31 2. GPA is authorized to petition the Public Utilities Commission for approval to issue bids to  
32 procure a Contractor for the supply of Residual Fuel Oil No.6 for the Baseloads Units.  
33

34 **RESOLVED**, that the Chairman of the Commission certifies and the Secretary of the Commission  
35 attests the adoption of this Resolution.  
36

37 **DULY AND REGULARLY ADOPTED AND APPROVED THIS 21<sup>st</sup> DAY OF FEBRUARY 2020.**  
38

Certified by:

Attested by:

\_\_\_\_\_  
JOSEPH T. DUENAS  
Chairperson  
Consolidated Commission on Utilities

\_\_\_\_\_  
MICHAEL T. LIMTIACO  
Secretary  
Consolidated Commission on Utilities

39  
40 **SECRETARY'S CERTIFICATE**

41 I, Michael T. Limtiaco, Secretary for the Consolidated Commission on Utilities (CCU), as  
42 evidenced by my signature above do certify as follows: The foregoing is a full, true, and accurate  
43 copy of the resolution duly adopted at a regular meeting of the members of Guam Consolidated  
44 Commission on Utilities, duly and legally held at a place properly noticed and advertised at which  
45 meeting a quorum was present and the members who were present voted as follows:  
46

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

48  
49 Nays: \_\_\_\_\_

50  
51 Absent: \_\_\_\_\_

52  
53 Abstain: \_\_\_\_\_

## **Invitation For Multi-Step Bid**

**No. GPA- -20**

### **SUPPLY OF RESIDUAL FUEL OIL NO.6**



**Volume II**

**CONTRACT**

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**CONTRACT**

**CONTRACTOR**

**GUAM POWER AUTHORITY**

**IFB No. GPA- -20**

**SUPPLY OF RESIDUAL FUEL OIL NO.6**



## FORMAL CONTRACT

This Agreement and Formal Contract (“Contract”), is made and entered into on the \_\_\_\_ day of \_\_\_\_\_, 2020 by and between:

\_\_\_\_\_, hereinafter referred to as CONTRACTOR, with its principal address at \_\_\_\_\_;

- and -

**GUAM POWER AUTHORITY**, hereinafter referred to as the “**Authority**” or “**GPA**”, a Public Corporation with its office located at the Gloria Nelson Public Service Complex, Fadian Mangilao Guam;

## RECITALS

**WHEREAS**, GPA desires to maintain uninterrupted supply of Residual Fuel Oil No.6 (hereinafter referred to as “RFO”) to its Baseload Power Plants; and

**WHEREAS**, the current contract for the supply of RFO will expire on August 31, 2020; and

**WHEREAS**, GPA seeks to procure a new Contractor for the supply of RFO; and

**WHEREAS**, the Consolidated Commission on Utilities has determined that the (CONTRACTOR) is a preferred option for GPA to supply the RFO requirements for the Authority; and

**WHEREAS**, the Guam Public Utilities Commission has, through stipulation, ordered GPA to proceed with the procurement of a CONTRACTOR for the Supply of RFO; and

**WHEREAS**, GPA has issued an Invitation For a Multi-Step Bid for the Supply of Residual Fuel Oil No.6 under IFB GPA- -20; and

**WHEREAS, CONTRACTOR** submitted a bid in response to the Invitation for Bid for the Supply of RFO; and

**WHEREAS, GPA**, upon evaluation of the submitted bid proposals, determined that **CONTRACTOR** is the lowest responsive and responsible bidder.

**NOW, THEREFORE**, in consideration of the above premises and the mutual promises set forth herein and the terms and conditions hereinafter set forth and for other good and valuable consideration, receipt of which is hereby acknowledged; **CONTRACTOR** and GPA hereby agree as follows:

#### **SECTION 1. DEFINITIONS**

- “\$”** The term “\$” refers to currency in U.S. dollars.
- “ASTM”** The term “ASTM” shall mean the American Society for Testing and Materials.
- “API”** The term “API” shall mean the American Petroleum Institute.
- “Barrel”** The term "Barrel" means a volume equivalent to 42 U.S. gallons.
- “Contract”** The term "Contract" means the Fuel Oil Supply Contract executed as a result of IFB GPA- -20.
- “Contract Agreement (Agreement)”** The written agreement between GPA and CONTRACTOR covering the Supply of Fuel Oil any other Contract Documents either attached to the Agreement or made a part thereof by reference therein.
- “Contract Documents”** The Contract Agreement, Bonds (where required), these General Conditions, any Supplementary Conditions, the Specifications, and any other documents specifically identified in the Contract Agreement, together with all Modifications issued after execution of the Contract Agreement.
- “Contracting Officer”** The term "Contracting Officer" as used herein means the General

Manager of the Guam Power Authority and shall include his authorized representatives.

**“CONTRACTOR”** The term "CONTRACTOR" as used herein means the party or parties who or which shall have duly entered into a contract with the Guam Power Authority to perform the work herein contemplated or his or their authorized assignee.

**“Day”** A calendar day of twenty-four (24) hours measured from midnight to the next midnight.

**“Delivery Time”** The total number of days or the dates stated in the Agreement for furnishing the product.

**“General Manager”** The General Manager is the Chief Executive Officer of the Guam Power Authority. The office and title of General Manager shall apply to any person acting in a regular or in an acting capacity as the Chief Executive Officer of the Guam Power Authority.

**“Notice”** The term "Notice" as used herein shall mean and include all written notice demands, instructions, claims, approvals and disapprovals required to obtain compliance with contract requirements. Any written notice by either party to the contract shall be sufficiently given if delivered to or at the last known business address of the person, firm, or corporation constituting the other party to the contract, or to his, their, or its duly authorized agent, representative, or officers, or when enclosed in a postage prepaid envelope addressed to such last known business address and deposited in a United States mail box and file the same with the Contracting Officer.

**“Procurement Officer”** The General Manager of the Guam Power Authority or the General Manager’s designee.

**“PURCHASER”** The Guam Power Authority with whom CONTRACTOR has entered into the Contract Agreement.

- “Seller”** The CONTRACTOR.
- “Territory”** The Territory of Guam.
- “OPA ’90”** means the Oil Pollution Act of 1990 by the U.S. Congress.
- “Platt’s Asia-Pacific/ Arab Gulf Marketscan”** refers to the source document for the fuel Contract pricing.
- “Metric Ton”** unit of mass equal to 1,000 kilograms (2,205 pounds)
- “D.E.S.”** means Delivered Ex- Ship as set forth in Incoterms 2000, except as modified by the Contract.
- “Fuel Oil”** means “Residual Fuel Oil No. 6” or “RFO”, a liquid hydrocarbon product satisfying the specifications in [Schedule A](#).
- “Gallon”** shall mean a U.S. standard gallon of 231 cubic inches at sixty degrees Fahrenheit.
- “Receiving facility”** means any wharf, dock, jetty, pier, quay, sea terminal, buoy, lighter, barge, vessel, or other suitable apparatus capable of receiving fuel oil in bulk.

## **SECTION 2. FUEL OIL TO BE SUPPLIED**

**CONTRACTOR** agrees to furnish and **GPA** agrees to accept and pay for all of **GPA**'s fuel oil requirements for power generating plants in Guam for the term of the Contract. Fuel Oil to be supplied to **GPA** shall conform to the product quality requirements specified in [Schedule A](#) and shall come from reputable sources not sanctioned by the United States government.

The **estimated** total fuel oil requirement is about TWO MILLION BARRELS PER YEAR (2,000,000 bbls/yr). The Minimum Purchase under the Contract is estimated at ONE MILLION BARRELS PER YEAR (1,000,000 bbls/yr).

The first delivery of fuel oil pursuant to the Contract is anticipated to be on or about **September 01, 2020**.

Estimated combined quantities:

MINIMUM: ONE MILLION BARRELS PER YEAR (1,000,000 bbls/yr)

MAXIMUM: TWO MILLION BARRELS PER YEAR (2,000,000 bbls/yr)

| Estimated Annual Requirement<br>(Barrels per Year)                  |                               |                                |                               |
|---|-------------------------------|--------------------------------|-------------------------------|
| Fuel Grade  | First (1 <sup>st</sup> ) Year | Second (2 <sup>nd</sup> ) Year | Third (3 <sup>rd</sup> ) Year |
| Low Sulfur Fuel Oil (LSFO),<br>1.19% <sub>w</sub> Sulfur (Maximum)  | 500,000                       | 1,500,000                      | 1,500,000                     |
| High Sulfur Fuel Oil (HSFO),<br>2.00% <sub>w</sub> Sulfur (Maximum) | 1,500,000                     | 500,000                        | 0                             |

This information is provided as reference material only. Although every attempt has been made to ensure its accuracy, **GPA** makes no guarantees that these quantities will be achieved but they may be exceeded. **GPA** expressly disclaims any liability whatsoever arising from reliance or non-reliance of the data provided.

### SECTION 3. CONTRACT TERM

The Contract Term shall be for **THREE (3)** years and shall commence on or about after 0:00 hour on **September 01, 2020**, and shall continue until midnight of **August 31, 2022** with options to extend for **TWO (2)** additional One (1) year term, upon mutual agreement of both parties.

### SECTION 4. CONTRACT PRICE

The total contract price in U.S. Dollars per Metric Ton (\$/MT) for all residual fuel oil delivered D.E.S. Guam (discharge port) to **GPA** shall be inclusive of all costs and liabilities incurred prior to delivery at discharge port, Cabras Island, Guam.

#### **DES (Delivered Ex- Ship) PROVISIONS:**

Under this term, the **CONTRACTOR** quotes a price including the cost of the goods, the marine insurance, and all transportation charges to the designated point of destination (**GPA**). Under this quotation, the **CONTRACTOR** must:

- (1) provide and pay for transportation to named point of destination (**GPA**);
- (2) pay applicable taxes or charges levied on the cargo prior to passage of title to GPA;
- (3) provide and pay for marine insurance;
- (4) provide war risk insurance;
- (5) obtain and dispatch promptly to **GPA**, or its agent, copies from the original document of a clean bill of lading, and also insurance policy or negotiable insurance certificate;
- (6) provide **GPA** with copies from the original document of certificates of origin, or any documents issued in the country of origin, or of shipment, or both, which **GPA** may require for importation of goods and, where necessary, for their passage in transit into another country.
- (7) where received-for-shipment ocean bill of lading may be tendered, be responsible for any loss or damage, or both, until the goods have been delivered into the custody of the ocean carrier to **GPA**;
- (8) where on-board ocean bill of lading is required, be responsible for any loss or damage, or both, until the goods have been delivered on board the vessel to **GPA**;

The **CONTRACT PRICE** shall be the **BID PRICE OFFER** calculated as the **BID REFERENCE PRICE** plus the Contractor's **FIXED PREMIUM FEE** in U.S. dollars per Metric Ton (\$/MT) for all residual fuel oil delivered to **GPA** at the Port of Guam.

The **BID PRICE** is the sum of the **FIXED SERVICE FEE** (per Metric Ton) and the **BID REFERENCE PRICE** as of December 2, 2019 as posted in the Platts' Asia-Pacific Marketscan Oil Prices.

**BID REFERENCE PRICE:**

The **BID REFERENCE PRICE** shall be based on the Platt's Singapore Products Assessment for Fuel Oil Cargoes "HSFO 180 CST" for December 2, 2019.

Reference date: December 2, 2019

|              | <u>Low (\$/MT)</u> | <u>High (\$/MT)</u> |
|--------------|--------------------|---------------------|
| HSFO 180 CST | \$ 214.62          | \$ 214.66           |

The following is a sample calculation of the mean price for HSFO 180 cst published in the **Platt's Marketscan, Singapore Products Assessments** for Fuel Oil Cargoes for December 2, 2019.

Mean Singapore Spot = Low + High Price Assessments:

$$= \frac{\$ 214.62 + \$ 214.66}{2} \text{ per Metric Ton (MT)}$$

$$= \$ 214.640 \text{ per Metric Ton (MT)}$$

**BID REFERENCE PRICE = \$ 214.640 per Metric Ton**

**BID PRICE OFFERS (D.E.S. Ex-Ship Guam):**

| <b>LSFO<br/>1.19% w Sulfur Max</b> | <b>THREE (3)-YEAR<br/>CONTRACT<br/>BASE PERIOD<br/>US\$/MT (3 decimals)</b> |  |   | <b>TWO (2) -YEAR<br/>CONTRACT<br/>EXTENSION OPTION<br/>US\$/MT (3 decimals)</b> |  |
|------------------------------------|---|--|---|---|--|
|                                    | First (1 <sup>st</sup> )<br>Year<br>Base Period                             | Second (2 <sup>nd</sup> )<br>Year<br>Base Period | Third (3 <sup>rd</sup> )<br>Year<br>Base Period | First (1 <sup>st</sup> )<br>Year<br>Extension                                   | Second (2 <sup>nd</sup> )<br>Year<br>Extension |
| A. Bid Reference Price             | \$312.180   | \$312.180  | \$312.180                                       | \$312.180   | \$312.180                                      |
| B. Fixed Premium Fee               | (Enter value)   | (Enter value)                                    | (Enter value)                                   | (Enter value)   | (Enter value)                                  |
| <b>BID PRICE (A+B)</b>             |   |  |   |   |  |

| <b>HSFO<br/>2.00% w Sulfur Max</b> | <b>THREE (3)-YEAR<br/>CONTRACT<br/>BASE PERIOD<br/>US\$/MT (3 decimals)</b> |  |   | <b>TWO (2) -YEAR<br/>CONTRACT<br/>EXTENSION OPTION<br/>US\$/MT (3 decimals)</b> |  |
|------------------------------------|---|--|---|---|--|
|                                    | First (1 <sup>st</sup> )<br>Year<br>Base Period                             | Second (2 <sup>nd</sup> )<br>Year<br>Base Period | Third (3 <sup>rd</sup> )<br>Year<br>Base Period | First (1 <sup>st</sup> )<br>Year<br>Extension                                   | Second (2 <sup>nd</sup> )<br>Year<br>Extension |
| A. Bid Reference Price             | \$312.180   | \$312.180  | \$312.180                                       | \$312.180   | \$312.180                                      |
| B. Fixed Premium Fee               | (Enter value)   | (Enter value)                                    | (Enter value)                                   | (Enter value)   | (Enter value)                                  |
| <b>BID PRICE (A+B)</b>             |   |  |   |   |  |

**SECTION 5. INVOICE PRICE DETERMINATION**

Price shall be based on the arithmetic average of the mean of the high/low quotations for “HSFO 180 CST” as published in Platts Asia Pacific/Arab Gulf Marketscan under the heading “FOB Singapore” priced for five (5) valid consecutive quotations immediately prior to B/L date and five (5) immediately after the B/L date plus the fixed premium fee.

In case of “No Posting” on the B/L date, no price will be used and the remaining 10-days average will be used. All price postings are at the prices effective dates.

**Sample Calculation:**

**B/L date = December 2, 2019**

**Marketscan Postings HSFO 180cst (\$/MT)**

| <u>Avg</u> | <u>Date</u>                   | <u>Low</u> | <u>High</u> |
|------------|-------------------------------|------------|-------------|
| 5          | November 25, 2019 (Monday)    | 239.99     | 240.03      |
| 4          | November 26, 2019 (Tuesday)   | 236.69     | 236.73      |
| 3          | November 27, 2019 (Wednesday) | 241.33     | 241.37      |
| 2          | November 28, 2019 (Thursday)  | 238.19     | 238.23      |
| 1          | November 29, 2019 (Friday)    | 227.36     | 227.40      |
| B/L        | December 2, 2019 (Monday)     | 214.62     | 214.66      |
| 1          | December 3, 2019 (Tuesday)    | 225.11     | 225.15      |
| 2          | December 4, 2019 (Wednesday)  | 233.69     | 233.73      |
| 3          | December 5, 2019 (Thursday)   | 240.37     | 240.41      |
| 4          | December 6, 2019 (Friday)     | 250.10     | 250.14      |
| 5          | December 9, 2019 (Monday)     | 258.55     | 250.14      |

**Mean Arithmetic Average (\$/MT) = \$236.454**

**Invoice Reference Price = \$236.454/MT**

**Invoice Price Calculation:**

| Product       | Invoice         | Fixed Premium Fee | Invoice        |
|---------------|-----------------|-------------------|----------------|
| Grade         | Reference Price | (Sample)          | Price          |
|               | (\$/MT)         | (\$/MT)           | (\$/MT)        |
| LSFO, 1.19% S | 236.454         | 35.000            | <b>271.454</b> |
| HSFO, 2.00% S | 236.454         | 25.000            | <b>261.454</b> |

If for any reason the quotation “HSFO 180 CST” ceases to exist, the parties shall renegotiate a new price quotation and premium in order to continue the contract.

For invoice calculation purposes, quantity shall be reported in Metric Tons as declared in the Bill of Lading.



## **SECTION 6. TITLE, CUSTODY AND RISK OF LOSS**

Title to the fuel oil and custody thereof shall pass from **CONTRACTOR** to **GPA** when the fuel oil has passed the vessel's permanent flange hose connection at the discharge port. All risk of loss, cost and liabilities prior to the time of passage of title of the fuel oil to shall be on the **CONTRACTOR**.

## **SECTION 7. TERMS OF PAYMENT**

Documentary Letter of Credit shall be opened two (2) days prior to the beginning of loading.

Payment shall be made in U.S. Dollars Funds without off-set, deduction, or counter-claim within THIRTY (30) calendar days (30-days net term) after the Bill of Lading date provided vessel tenders its NOR within TWELVE (12) days after the B/L date, otherwise it extends day by day (B/L date inclusive). In case the payment due date falls on a Bank holiday or Saturday in Guam, payment shall be made immediately preceding banking day. However, should payment due falls on Sunday or Monday bank holiday in Guam, payment shall be made on the immediately following banking day.

Payment shall be available at Seller's account on Maturity Date. If Buyer fails to pay on the maturity date, Seller shall be reimbursed for the interests related to the time of delay. Interest Rate shall be calculated based on the one month London Interbank Offered Rate (LIBOR) for US Dollar Deposits offered by Bloomberg Publication at 11:00 A.M. London Time, as quoted on page BBAM in effect on the date buyer's payment was due, plus one and one-half percent (1.5%) per annum.

In the event that a duly executed Documentary Letter of Credit (L/C) is amended or cancelled due to error or adjustments caused by the **CONTRACTOR**, the **CONTRACTOR** shall reimburse **GPA** for any penalties for the amendment or cancellation of the LC.

The **CONTRACTOR** shall endeavor to assist **GPA** to revise the payment due dates if requested by **GPA** accordingly. GPA has the right to request for revision of the payment due dates and Contractor has the right to reject it at its sole discretion.

**CONTRACTOR** may provide **GPA** a Line of Credit, but it is not a requirement in the contract. If the amount due under this contract exceeds the **GPA's** credit line of:

(Amount in Words \_\_\_\_\_)  
(US\$ \_\_\_\_\_),

available at **CONTRACTOR** system, then as a loading condition, for the amount not covered under the credit line, **GPA** shall:

- (i) Make advance payment not later than one day before the cargo is loaded;  
OR
- (ii) Open a **DOCUMENTARY LETTER OF CREDIT (L/C)** at a first-class international bank mutually agreeable to both **GPA** and the **CONTRACTOR**

#### **SECTION 8. PAYMENT OF TAXES AND OTHER GOVERNMENT CHARGES**

**All fuels under the terms of this Contract are exempt from the Government of Guam Liquid Fuel Tax and the Government of Guam Gross Receipts Tax as provided by 12 G.C.A., Section 8115.**

In the event that any cargoes shall be liable to the payment of Import Duty such Import Duty shall be to the **CONTRACTOR's** account.

**CONTRACTOR** shall be responsible for filing appropriate tax returns or other filings and requesting rebates, credits, drawbacks or exemptions.

In the event any liquid fuel tax or gross receipts tax or other tax including, but not limited to, excise tax, duty, toll, fee, charge for other exaction or the amount equivalent thereto, and any increase thereof, now or hereafter imposed, levied or assessed by the United States Government, the Government of Guam, the Port Authority of Guam, or other instrumentality or agency thereof in connection with and as a result of the sale of fuel oil herein provided for is collectible or payable by **CONTRACTOR**, (except taxes, penalties, fees or other charges that may be imposed on **CONTRACTOR** because of **CONTRACTOR** 's failure to make proper tax filings including requests for credits, exemptions, drawbacks or rebates) it shall be paid by **GPA** as part of the fuel price set forth herein, on demand by **CONTRACTOR**. Any such payment shall be in addition to the price otherwise herein provided for.

Notwithstanding these provisions, should the payment of any such charges described in this section be unduly burdensome to **GPA**, it shall be grounds for renegotiation for an equitable adjustment in price.

**CONTRACTOR** shall be solely responsible for filings and payment of income tax or taxes measured on net income.

#### **SECTION 9. WARRANTY AND CLAIMS**

**CONTRACTOR** warrants that the fuel oil shall meet the specification prescribed herein under Section 10 and other pertinent sections. If the fuel oil fails to meet the specifications herein, **CONTRACTOR** shall be liable for any direct damages resulting therefrom.

**CONTRACTOR** shall be solely responsible for any damages caused by the **CONTRACTOR** or its agents during the process of oil shipment and delivery.

Claims against the **CONTRACTOR** for direct costs incurred on account of their negligent actions shall be given in writing together with all supporting documents, invoices and correspondence by **GPA** within thirty days (30) from date of delivery of fuel oil as specified in [Section 4](#).

#### **SECTION 10. PRODUCT AND QUALITY**

The fuel oil delivered hereunder shall have the physical and chemical characteristics as described in [Schedule A](#).

#### **SECTION 11. QUANTITY AND QUALITY ASSURANCE**

Ship-to-Ship (STS) cargo loading is not allowed.

(a) Inspection of fuel oil cargo loading and discharge to determine quantity and quality shall be witnessed and or conducted by the appointed third party independent Inspector mutually acceptable to **GPA** and the **CONTRACTOR**. **CONTRACTOR** shall appoint the independent inspector at the loadport. **GPA** shall appoint the independent Inspector at the discharge port. Such independent inspector shall also perform or witness the required sampling, gauging, and inspection of vessel and shore tanks before and after loading at load port as well as discharge port, Guam. Final determination shall be based on the discharge port findings. All quantity calculations and correction to volume at sixty (60) degree (Fahrenheit) shall be in accordance with the ASTM-IP Petroleum Measurement Tables, Table 6- the latest edition published shall be applicable. All costs and charges for the inspections for the load port shall be borne by the **CONTRACTOR**, and costs at the discharge port shall be equally shared by **GPA** and the **CONTRACTOR**.

(b) Load port samples from each individual shore loading tanks shall be sampled by the independent inspector who shall perform or witness the required tests for quality certification prior to loading. Shore tank composite from each individual shore loading tanks shall be separately tested and the quality must conform to the specifications under Section 10 of the contract. Vessel's composite samples from all vessel's cargo compartments shall also be obtained by the inspector for the consignee, **GPA**, in care of the ship's master. All Samples shall be equally divided into THREE (3) parts, sealed, properly identified, and designated with the required "Chain of Custody of Samples" documentations.

(c) The quality of the cargo to be delivered shall be determined by an independent inspector mutually acceptable to GPA and the **CONTRACTOR** and is to be based on the ship composite samples taken at the port of discharge in such a manner as to secure samples which are representative of the entire cargo delivery. Discharge tanks samples and ship's composite samples shall be divided into THREE (3) parts. One part shall be for **CONTRACTOR** and TWO (2) parts shall be for **GPA**, and **GPA** shall utilize one sample for recertification and reserve the other sample as a retained referee sample. All discharge port samples shall be presented by the inspector for **GPA** in care of the Master of the ship. All samples shall be retained for not less than ONE HUNDRED TWENTY (120) days after delivery. In the event of dispute as to quality, analysis of the samples taken at the discharge port shall be made by an independent inspector, which analysis shall be final and binding upon both parties.

**GPA** reserves the right to reject any or all deliveries that fail to conform to the quality requirements specified in [Schedule A](#).

GPA has the right to reject any cargo outside the specifications limits, as these are agreed in the context of this contract. In this respect, copies of the quality analysis certificate together with the other shipping documents (B/L, certificate of origin, cargo manifest, certificate of origin, certificate of quantity with shore tank measurement report, certificate of quantity, etc) must be transmitted by fax or e-mail to GPA immediately but no later than 3 days after completion of loading.

Copies of the originals of the ship's "certificate of cleanliness" issued before loading, and the other shipping documents for the consignee (B/L, Certificate of Origin, Cargo Manifest, certificate of Quality, Certificate of Quantity with tank measurement report, Loadport surveyor's

report, etc.) to be marked for the consignee and handed over upon arrival of vessel at discharge port.

It is understood that any delay as may be incurred in discharge due to unavailability of copy of the Bill of Lading will be for **CONTRACTOR's** account. Furthermore, the correct documentation in original format is required in order to establish to the full satisfaction of GPA.

GPA has the right to reject any cargo outside the specification limits. GPA shall notify the Contractor of any rejected delivery by fax or e-mail. Contractor shall promptly deploy a replacement vessel carrying on-spec products to Guam within 12 days from the date of GPA's notice of rejection.

Notwithstanding the above conditions, Contractor shall not be relieved of any responsibilities or penalties provided for in the Contract. In addition, GPA shall impose all applicable penalties for failure of the Contractor to provide the replacement cargoes in a timely manner. Contractor shall be liable for all direct expenses as a result of the delayed arrival of the shipment beyond the last day of the original 5 days ETA date.

## **SECTION 12. QUANTITY DETERMINATION**

Latest edition of API Standard 2540 (and sub-sections) or its metric equivalent with conversions shall be the method used for quantity determination.

Quantity determination shall be performed by a third party independent inspector mutually acceptable to **GPA** and the **CONTRACTOR**. Quantity shall be based from the load port shore tanks gauges as to be reflected as Bill of Lading quantity NET barrels at sixty degrees Fahrenheit (60 °F). The Certificate of Quantity shall separately use the density from each individual shore loading tanks. All quantities shall be corrected to volume at sixty degrees Fahrenheit (60 °F) in accordance with the ASTM-IP Petroleum Measurement Table, Table 6B, the latest edition published shall be applicable. A copy of the load port shore tank measurements shall be included as supplemental documents.

Quantity certification prepared by independent inspector shall be final and binding upon both parties.

In the event of the variances between the B/L quantity and the discharge port (shore tanks) receipts, The **AUTHORITY** shall pay (absorb) a quantity shortfall up to ONE-HALF PERCENT (0.50 %) of the barrel established quantity; shortages beyond the 0.5% shall be covered by the **CONTRACTOR**.

### **SECTION 13. SECURITY OF SUPPLY**

For security of supply, **CONTRACTOR** reserves the right to supply fuel oil meeting **GPA** specifications from any source. Fuel Oil to be supplied to **GPA** shall conform to the product quality requirements specified in [Schedule A](#) and shall come from reputable sources not sanctioned by the United States government.

In the event that supplies are taken from such other places, then the price to Guam will remain the same as established in [Section 4](#) above.

### **SECTION 14. GOVERNMENT LAWS AND REGULATIONS**

(a) If at any time during the term of the Contract the Government of the United States or the Territory of Guam enacts laws or issues regulations which would prevent **GPA** from burning the type of fuel oil to be supplied hereunder, **GPA** shall use its best efforts to obtain an exemption. In the event **GPA** cannot obtain an exemption from such laws and regulations, **CONTRACTOR** shall use his best efforts to furnish **GPA** substitute fuel oil which complies with such governmental laws and regulations at the same price set out herein, or if unreasonable, at a price to be renegotiated by the parties. If the substitute fuel oil causes an increase or decrease in **CONTRACTOR**'s cost of performance of the Contract, an equitable adjustment shall be made and the Contract modified in writing accordingly. Any claim of **CONTRACTOR** for adjustment under this section must be asserted in writing within thirty (30) days from date of receipt by **CONTRACTOR** of the notification of substitute fuel oil in compliance with Government laws, rules and regulations. Failure to agree to any adjustment shall be a dispute concerning a question of fact within the meaning of the clause of this Contract entitled "Governing Law and Disputes"(Section 22). However, nothing in this clause shall excuse the **CONTRACTOR** from proceeding with the Contract fuel oil specifications as changed in order to comply with Government laws, rules and regulations. Only in the event that the parties cannot mutually agree upon the price at which **CONTRACTOR** is to furnish such substitute fuel oil, and **CONTRACTOR** refuses to provide

such substitute fuel oil at the Contract price set out herein shall **GPA** then have the option of purchasing from other sources fuel oil at a lower price than that offered by **CONTRACTOR** in such negotiations which complies with such laws and regulations, but in any event, the **CONTRACTOR** shall have no recourse, other than those specified herein.

(b) **CONTRACTOR** shall at all times comply with all applicable laws and regulations of the Territory of Guam and the Federal Government and their respective agencies.

#### **SECTION 15. PERMITS AND RESPONSIBILITIES**

The **CONTRACTOR** shall, without additional expense to **GPA**, be responsible for obtaining any necessary licenses and permits, and for complying with any applicable Federal and Territorial laws, codes and regulations necessary for performance of the Contract by **CONTRACTOR**.

#### **SECTION 16. FORCE MAJEURE**

No failure or omission by either party to carry out or to observe any of the terms, provisions or conditions of the Contract shall, except in relation to obligations to make payments under the Contract, give rise to any claim by one party against the party in question or be deemed to be a breach of the Contract if such failure or omission arises from any cause reasonably beyond the control of the party, including but without prejudice to the generality of the foregoing:

- (a) War, etc. War, hostilities, acts of public enemy or belligerents, sabotage, blockade, revolution, insurrection, riot or disorder;
- (b) Restraints. Arrest or restraint of princes, rulers or peoples;
- (c) Confiscation. Expropriation, requisition, confiscation or nationalization;
- (d) Rationing. Embargoes, export or import restrictions or rationing or allocation, whether imposed by law, decree or regulation or by voluntary cooperation of industry at the insistence or request of any governmental authority or person purporting to act therefore;
- (e) Regulations. Interference by restriction or onerous regulations imposed by civil or military authorities, whether legal or de facto and whether purporting to act under some constitution, decree, law or otherwise;

- (f) Acts of God. Acts of God, fire, frost or ice, earthquake, storm, lightning, tide, tidal wave, or peril of the sea, accident of navigation or breakdown or injury of vessels;
- (g) Loss for Tankers. Loss of tanker tonnage due to sinking by belligerents or to governmental taking whether or not by formal requisition;
- (h) Accidents. Accidents to or adjuncts of shipping navigation;
- (i) Strikes. Epidemics, quarantine, strikes or combination of workmen, lockouts, or other labor disturbances;
- (j) Explosions. Explosion, accidents by fire or otherwise to wells, pipes, storage facilities, refineries, installations, machinery;
- (k) Taking by Government. Unavailability of fuel because of the election of the government of the country of its origin to take royalty product in kind;
- (l) Other Events. Any event, matter or thing wherever occurring and whether or not of the same class or kind as those set forth, which shall not be reasonably within the control and without the fault or negligence of the party affected thereby.

No failure or omissions to carry out or to observe any of the terms, provisions or conditions of the Contract shall give rise to any claim by one party against the other, or be deemed to be a breach of the Contract from the time of and to the extent occasioned by the Force Majeure, not from the date of notice of the Force Majeure is received.

#### **SECTION 17. NOTICE TO OTHER PARTY**

Either party whose obligations may be affected by any of the forces or causes set out in Section 16, supra, shall promptly notify the other party in writing, giving full particulars thereof as soon as possible after the occurrence of such force or cause. Such party shall exercise due diligence to remove such cause with all reasonable dispatch and to resume performance at the earliest practicable time.



#### **SECTION 18. PAYMENT REQUIRED**

Notwithstanding the provisions of Section 16, supra, **GPA** shall not be relieved of any obligation to make payments for any fuel delivered to Guam dock/**GPA** tanks hereunder; however, during the force majeure condition the obligation shall be suspended, except for fuel oil deliveries made prior to the force majeure condition.

#### **SECTION 19. PRORATION OR EQUITABLE ALLOCATION**

If any of the events enumerated in [Section 16](#), supra, have occurred, **CONTRACTOR** shall prorate or otherwise allocate in a fair and equitable manner among its customers, including **GPA**, the supplies of fuel oil **CONTRACTOR** has available for delivery at the time of the occurrence or for the duration of such event taking into account **GPA's** unique situation as Guam's total dependence on fuel oil. **CONTRACTOR** shall also seek an alternative source of fuel oil to fulfill its contractual obligations.

#### **SECTION 20. ALTERNATE SUPPLY**

In the event **CONTRACTOR** is unable to fulfill its obligations under this Contract as a result of [Section 16](#), supra, **GPA** may at its sole discretion seek an alternative source of fuel oil to include, but not limited to, a second contractor for the supply of fuel oil so long as such condition shall exist.

In the event **CONTRACTOR** is unable to fulfill its obligations under this Contract as a result of any negligence on the part of the Contractor, **GPA** may at its sole discretion seek an alternative source of fuel oil to include, but not limited to, a second contractor for the supply of fuel oil so long as such condition of negligence shall exist. If the cost of fuel during such period of negligence shall exceed the Contract price as provided in [Section 4](#), the **CONTRACTOR** shall be liable to **GPA** for the difference, which may be taken from the Performance Bond.

For the purpose of this clause, preference for the second contractor shall be given to the next lowest bidder.

#### **SECTION 21. RESUMPTION OF PERFORMANCE**

If **CONTRACTOR** is prevented from delivering or **GPA** is prevented from receiving all or any fuel to be sold under the Contract for the reasons which fall within the provisions of [Section 16](#), supra, then the party so prevented shall, as to the remainder of the fuel not affected thereby,

promptly resume performance of the Contract. No curtailment or suspension of deliveries or payment under the causes listed in [Section 16](#), supra, shall operate to extend the term of or terminate the Contract unless the occurrence of force majeure will materially impair, for an indefinite period of time, the parties' ability to perform the Contract.

## **SECTION 22. GOVERNING LAW AND DISPUTES**

This CONTRACT shall in all respects be governed by the Laws of Guam. The provisions of the United Nations Convention on Contracts for the International Sale of Goods are expressly excluded.

This CONTRACT shall not be construed to confer any benefit on any person not being a party to this Contract nor shall it provide any rights to such person to enforce any of its provisions. The provisions of the English Contracts (Rights of Third Parties) Act 1999 are expressly excluded.

In the event of any controversies, dispute or difference of any nature (a "Dispute") between the parties arising from or in connection with this Contract, either party may give notice to the other in writing of the existence of such dispute specifying its nature and the points at issue. If the dispute shall not have been amicably resolved within thirty (30) days from the date of the said notice, then the same shall be exclusively and definitely resolved through final and binding arbitration in New York, by the AMERICAN ARBITRATION ASSOCIATION ('AAA'), in accordance with the rules of arbitration of such institution in effect as of the date the existence of the controversy is notified by one of the parties. The arbitration shall be conducted by three arbitrators, unless all parties to the dispute agree to a sole arbitrator within thirty (30) days after the filing of the arbitration. Each party to the dispute shall appoint one arbitrator within thirty (30) days of the filing of the arbitration, and the two arbitrators so appointed shall select the presiding arbitrator within thirty (30) days after the latter of the two arbitrators have been appointed by the parties to the dispute. If a party to the dispute fails to appoint its party-appointed arbitrators or if the two party-appointed arbitrators cannot reach an agreement on the presiding arbitrator within the applicable time period, then LCIA shall appoint the remainder of the three arbitrators. The arbitration proceedings shall be conducted in English and the arbitrator(s) shall be fluent in the English language. The award of the arbitral tribunal shall be final and binding. Judgment on the award of the arbitral tribunal may be entered and enforced in any court having jurisdiction thereof. The cost of the arbitration proceedings, including attorneys' fees, shall be borne in the manner determined by the arbitral tribunal. Any right to appeal or challenge any arbitral decision or award is hereby waived. The parties may seek a preliminary injunction or other preliminary judicial relief, if in its judgment such action is

necessary to avoid irreparable damage. It is expressly agreed that indirect, special, punitive and consequential damages shall not be awarded.

### **SECTION 23. CONTRACTOR'S INSURANCE**

The **CONTRACTOR** shall maintain an insurance policy or ensure that vessel nominated have in place an insurance policy for oil pollution (throughout the entire period of the voyage to and from the discharge port) with coverage consistent with the provisions in compliance to the requirements of the U.S. Oil Pollution Act of 1990 (OPA 90) and any amendments thereto. This includes, but is not limited to, compliance with oil spill clean-up plan, financial responsibility, and all other provisions of OPA 90.

At a minimum, **CONTRACTOR** shall carry the following insurance coverages and shall provide evidence of these coverages in the form of a Certificate of Insurance with the applicable wordings and endorsements:

### **ENVIRONMENTAL POLLUTION LIABILITY**

At a minimum, must carry and have in force Environmental Pollution Liability insurance with limits not less than **CONTRACTOR \$50,000,000 (USD FIFTY MILLION DOLLARS)** each condition and in the aggregate to include coverage for First party clean-up costs. The carrier must be rated not less than AM Best A rated and minimum financial size of IX. This coverage must be primary and non-contributory. The Guam Power Authority must be named as an additional insured with a Waiver of Subrogation. On the Certificate of insurance, carrier must agree by endorsement, that in the event of any cancellation and/or material change in coverage the carrier will give minimum 60-day prior written notice to the Policy holder and the Guam Power Authority.

### **MARINE LIABILITY**

At a minimum, must carry and have in force Marine Liability insurance with limits not less than **\$50,000,000 (USD CONTRACTOR FIFTY MILLION DOLLARS)** each occurrence and in the aggregate. The carrier must be rated not less than AM Best A rated and minimum financial size of IX. This coverage must be primary and non-contributory. The Guam Power Authority must be named as an additional insured with a Waiver of Subrogation. On the Certificate of insurance, carrier must agree by endorsement, that in the event of any cancellation and/or material change in

coverage the carrier will give minimum 60-day prior written notice to the Policy holder and the Guam Power Authority.

#### **SECTION 24. INDEMNITY**

**CONTRACTOR** shall indemnify and hold **GPA** harmless from all damages to persons or property or to receiving facilities and delivery facilities, regardless of ownership, including the cost of enforcement of the indemnity, actually and proximately caused by **CONTRACTOR** or its agents in making deliveries hereunder. **CONTRACTOR** shall be responsible for cleaning up any oil spillage caused by it or its agent or **CONTRACTORS** during the process of oil delivery. **CONTRACTOR** shall carry at all times appropriate levels of insurance as determined by **GPA** to cover any such damage. The **CONTRACTOR** shall ensure that any vessel owned or chartered by the Contractor for deliveries under this agreement shall meet the requirements of the U.S. Oil Pollution Act of 1990 (OPA 90).

#### **SECTION 25. TRANSPORTATION**

The Authority shall nominate and advise the **CONTRACTOR** of the 10-day delivery date range not later than 30 days before the 1<sup>st</sup> calendar day of the delivery date range. The **AUTHORITY** and **CONTRACTOR** shall mutually agree to narrow down to a 5-day delivery date range 21 days prior to the 1<sup>st</sup> day of the 5-day delivery date range.

(a) **CONTRACTOR** shall arrange for the transportation of the fuel oil from loading port to the Guam dock, and give **GPA** at least FIFTEEN (15) days prior notice of the approximate arrival date of each tanker.

All risk of loss, cost and liabilities prior to the time of passage of title of the fuel oil to shall be on the **CONTRACTOR**. **CONTRACTOR** or its agents shall further arrange for the use of pier receiving facilities owned by the Port Authority of Guam (PAG) or its Facility Manager, U.S. Coast Guard, U.S. Custom and Immigration inspections, Guam Commercial Port authorities, Guam tug services, Port Stevedores services, and others as necessary for the safe berthing of fuel tankers and obtaining clearance for the discharging of the cargo at the sole expense of the **CONTRACTOR**.

**GPA** shall exercise due diligence and make its best effort to assist the **CONTRACTOR** in arranging for safe berthing facilities to accommodate vessels at the F-1 dock with the following information:

|                                |                     |
|--------------------------------|---------------------|
| Maximum LOA                    | 259meters           |
| Maximum Breadth                | 45 meters           |
| Maximum Vessel Draft Alongside | 16.4592 meters      |
| Maximum Displacement           | 108,840 metric tons |
| Maximum Free Board             | 23 meters           |

The above information is subject to change and **CONTRACTOR** shall at all times abide by the requirements of latest edition of the Port and Terminal Information Handbook.

**GPA** shall provide the **CONTRACTOR** an estimated total cargo quantity to be delivered approximately THIRTY (30) days from estimated 10-day delivery date range.

**GPA** shall provide notification to the **CONTRACTOR** as to the final split cargo delivery quantity approximately TWENTY-ONE (21) days prior to the first (1<sup>st</sup>) day of the estimated 5-day delivery date range which will also be specified in this final notice. **GPA estimates** a single delivery requirement in the range of TWO HUNDRED THIRTY THOUSAND TO TWO HUNDRED EIGHTY THOUSAND BARRELS (230,000 -280,000 bbls). The delivery may be a single cargo of either LSFO or HSFO, or a split SEGREGATED cargo of both LSFO and HSFO, as determined by GPA.

For each delivery, the **CONTRACTOR** will have an operational tolerance of FIVE PERCENT (5%) on the cargo size, as well as the obligation to deliver the shipment within defined delivery date range, as has been notified by **GPA**.

**GPA** shall have the right to cancel or change the previously notified cargo size and/or delivery date within twenty-one (21) calendar days prior to the first day of the delivery range without penalty.

**(b) Tanker nomination procedures:**

The **AUTHORITY** shall advise the contractor of projected "tankers' schedule and quantities per slate" THIRTY (30) days before the commencement of the contract, and **CONTRACTOR** agrees to provide all fuel requirements of **GPA** as advised and all succeeding cargo requirements thereafter.

**(i) Vessel Specification:**

All vessels nominated by the **CONTRACTOR** for fuel oil deliveries to **GPA** shall meet the vessel vetting requirements and be pre-approved by the F-1 dock Facility Manager.

The **CONTRACTOR** or its agents shall be responsible in seeking vessel clearance from the F-1 dock Facility Manager. In the event that vessels owned or chartered by the **CONTRACTOR** do not meet the F-1 dock Facility Manager's specification, **CONTRACTOR** shall have the vessel shortfalls corrected or have another vessel nominated and ensure that a suitable vessel is cleared for timely delivery of cargo to **GPA**. The **CONTRACTOR** or its agents shall be responsible for the scheduling and reservation of the dock with the F-1 dock Facility Manager.

The **CONTRACTOR** shall ensure that the vessel assigned to perform the voyage should be rid of any slop before reaching the designated port and have adequate slops – storage capacity to ensure that unloading of any slops is avoided.

Cargo temperature shall be maintained between one hundred fifteen to one hundred thirty degrees Fahrenheit (115°F -130°F) on arrival and during the discharge at Guam Port.

**(c) Ship Lay time and Demurrage:**

Ship lay time at the discharge port shall commence six (6) hours after the tender of Notice of Readiness (NOR) or when the vessel berths whichever occurs first, and to cease upon last cargo hoses disconnection. Allowable ship laytime shall be thirty-six (36) hours for total cargo B/L quantities up to 240,000 bbls and shall extend by ONE (1) hour for every 10,000 bbls in excess of 240,000 bbls. Official NOR shall be tendered/ re-tendered after completion of inspection and clearance for conducting cargo discharging operations is granted by the Port Authorities.

However, if the vessel arrives before the first day of the agreed arrival date range, lay time shall not commence until 06:00 AM on the first day of the agreed arrival date range or the time discharge commences whichever is earlier. If the vessel arrives after the last day of the agreed arrival date range lay time shall commence at the time discharge commences.

If regulations of the Port Authorities prohibit the discharge of cargo at night, the time so lost shall not count as used lay time.

**(i) Ship Demurrage:**

If lay time allowed is exceeded, GPA shall be liable to pay the **CONTRACTOR** for applicable demurrage. However, any delay due to vessel inspection and clearance by Local and Federal Authorities, breakdown of the vessel's equipment, or failure by vessel to comply with the requirements of the discharge port with respect to equipment aboard, shall not be counted in the lay time used for calculating demurrage. Waiting period for berthing, port formalities, product sampling and testing for quality conformance shall be deducted in the lay time calculation.

The vessel must be able to attain a discharge pressure of up to one hundred (100) psi measured at the F-1 Dock manifold. Time lost for slow discharging shall be deducted from the lay time used for calculating demurrage.

Demurrage cost if payable by **GPA** shall be at the single voyage demurrage rate specified in the single voyage Charter Party of the vessel loading the cargo in question and the **CONTRACTOR** shall furnish **GPA** with a copy of such Charter Party. Such charges must be submitted to **GPA** within 90 days after Bill of Lading date.

**CONTRACTOR**'s and **GPA**'s rights and duties under [Section 24](#) and [Section 25](#) do not supersede or control the provisions of Section 16 Force Majeure.

(d) **Dock Use Lay time Charges:**

Dock lay time of thirty-six (36) hours at the discharge port, to commence upon commencement of cargo discharging, and to cease upon last cargo hose disconnection. Dock lay time charges in excess of the first thirty-six (36) hours are paid by GPA to the F-1 dock Facility Manager.

In the event that the allowable lay time of thirty-six (36) hours is exceeded due to delays caused by the vessel, the Contractor shall reimburse GPA for any charges in excess of the allowable lay time. Calculation for reimbursement shall be based on the Letter of Protest issued to the Vessel's Officer converted to time units multiplied by the dock excess lay time charge cost.

**SECTION 26. COORDINATION – AMMUNITION LOADING**

(a) The **CONTRACTOR** is hereby advised and agrees that the unloading of fuel oil is not permitted during the time that the unloading or loading of ammunition is taking place at the U.S. Navy's ammunition wharf.

(b) Coordination to prevent conflict in unloading between ammunition and fuel oil will be effected

jointly by responsible parties representing the U.S. Navy, the Port Authority, **GPA** and the **CONTRACTOR**. Any charges that may result because of demurrage caused by delay in discharge of fuel oil related to ammunition unloading or loading will be borne by the **GPA**, provided that notice of arrival of tanker is given to **GPA** by the **CONTRACTOR** at least FIFTEEN (15) days prior to ETA Guam. In absence of such notice any delay costs shall be borne solely by the **CONTRACTOR**.

#### **SECTION 27. FAILURE TO SUPPLY**

If the **CONTRACTOR** refuses or fails to perform any of the provisions of this Contract with such diligence as will ensure the timely delivery of fuel oil supply or commits any other substantial breach of this Contract, **GPA** may notify the **CONTRACTOR** in writing of the delay or non-performance and if not cured within THIRTY (30) days of the date of notification, **GPA** may terminate the Contract in whole or such part of the Contract as to which there has been a delay or a failure to properly perform. In the event of termination in whole or in part, **GPA** reserves the right to procure fuel oil supply from another source or a second contractor immediately upon issuance of such notification or whenever it deems appropriate.

#### **SECTION 28. FAILURE TO PAY**

Failure to pay an invoice and any late penalties, if any, within a period of THIRTY (30) days from the due date of such invoice, shall be a default and should such a default not be cured within THIRTY (30) days of default, **CONTRACTOR** may, at its option, do either of the following:

- (a) Terminate the Contract forthwith or forthwith suspend delivery under the contract until further notice, on notifying GPA orally or by notice in writing; or
- (b) Continue to supply fuel oil and bring suit in the Superior Court of Guam for amounts past due and as they become due.

#### **SECTION 29. FAILURE TO COMPLY WITH LAWS**

In the event the **CONTRACTOR** or any person or entity identified as principals in the offer submitted in connection with the bid shall be found by any court or administrative agency having jurisdiction over the subject matter of the violation, to have violated any law, rule or regulation in connection with **CONTRACTOR** 's performance of the obligations under the Contract in any



manner whatsoever directly or indirectly which violation shall constitute a breach of the peace, or an act involving moral turpitude or otherwise constitute endangerment of the health, safety and welfare of the citizens of the Territory of Guam, **GPA** may at its sole discretion terminate this Contract upon THIRTY (30) days written notice.

### **SECTION 30. PENALTY CLAUSES**

#### **(a) Late Deliveries**

- (1) In case of five (5) delayed deliveries beyond the last day of the stipulated delivery date range on the discharge port, after the stipulated delivery date as set out in the nomination procedure, **GPA** reserves the right to terminate the present contract by his written notification, without obligation to indemnify the **CONTRACTOR**.
- (2) **CONTRACTOR** accepts to pay **GPA** for every delayed delivery beyond the last day of the five (5) days stipulated delivery date range as set out in the nomination procedure, a penalty equivalent to:
  - \$0.30/MT multiplied by the Bill of Lading quantity for every day of delay if delivery is less than three days late.
  - \$0.60/MT multiplied by the Bill of Lading quantity for every day of delay if delivery is more than three days late.

In case of delay due to **GPA**'s fault or Force Majeure, the time of delivery shall be correspondingly extended, the **CONTRACTOR** waiving any respective claim against **GPA**.

#### **(b) Quality Outside Contractual Specifications**

In the event that any fuel, according to the analysis results of either the composite vessel sample or the "Umpire" sample has one or more quality characteristics outside the contractual specifications set in Section 10, then in addition to any other rights or remedies available to the **GPA** under this contract a penalty will be imposed according to the following:

- (1) If the Asphaltenes content exceeds the specifications limits then for every ONE-HALF percent (0.5%) or part thereof will be a price reduction of zero point one percent (0.10%) on the price per metric ton.

- (2) If the Vanadium content exceeds the specifications limits then for every 10 part per million (10 ppm) or part thereof there will be a price reduction of zero point one per cent (0.10%) on the price per metric ton.
- (3) If the Sodium content exceeds the specifications limits then for every 10 part per million (10 ppm) or part thereof there will be a price reduction of zero point one per cent (0.10%) on the price per metric ton.
- (4) If the Al+Si content exceeds the specification limit then for every one part per million (1 ppm) there will be a price reduction of zero point zero two per cent (0.02 %) on the price per metric ton.
- (5) If the viscosity exceeds the specification limit then for every 10 cSt or part thereof, there will be a price reduction of zero point one per cent (0.10%) on the price per metric ton.
- (6) If API exceeds the specification limit then for every zero point one degree (0.10°) thereof, there will be a price reduction of zero point zero two per cent (0.02 %) on the price per metric ton.
- (7) If the heating value is less than the specification limit, then there will be a price reduction calculated as the ratio of the Out-of- Specification heating value and the Guaranteed Heating Value specified in Section 10, multiplied by the Bill of Lading Quantity.
- (8) If the bottom sediment and water exceeds the specification limit, then a price reduction shall be made for all water and non-petroleum sediment in excess of maximums specified in Section 10 multiplied by the Bill of Lading Quantity.

If any other quality parameter (besides the ones stated in) exceeds the specifications' limits, then a penalty will be agreed between **GPA** and **CONTRACTOR**.

It is expressly agreed that the present penalty clauses shall be imposed regardless of whether damages were or not suffered by the **GPA** due to the delay in delivering the fuel and fuel quality outside contractual specifications, and that the **GPA** reserves the right to claim cumulatively both the amount of the penalty clauses and indemnification for every direct damage suffered by him due to **CONTRACTOR** non-contractual actions or omissions. If during the period of this contract the **GPA** is forced to purchase fuel oil in order to maintain the **GPA's** Power Stations on full commercial load as a result of failure on the part of the **CONTRACTOR** to deliver fuel oil in accordance with the terms of this contract (save for events of Force Majeure) any additional cost borne by the **GPA** over and above the price provided for in this Contract will be liable to be

refunded to the **GPA** either by payment from the **CONTRACTOR** or by way of reduction from his debts to the **CONTRACTOR** or from the Good Performance Bond of the Contract, or partially from both.

**GPA** reserves the right to retain the amount of the penalty clauses from his debts to the **CONTRACTOR** or from the Good Performance Bond of the Contract, or partially from both.

Notwithstanding the above conditions, **GPA** reserves the right to reject any or all deliveries that fail to conform to the quality requirements specified in Schedule A.

### **SECTION 31. DEFAULT**

“If the PARTY refuses or fails to perform any of their obligations under this agreement, non-breaching PARTY shall notify the PARTY either by e-mail or in writing within thirty (30) days of the breach. If the PARTY does not remedy the breach within thirty (30) days after the date of notification, non-breaching PARTY may by giving notice to the other PARTY terminate the Agreement in whole or suspend taking of delivery under the Contract.

In the event of partial termination or suspension under this provision, GPA reserves the right to procure fuel supply from another source upon notification to CONTRACTOR either by e-mail or in writing. Fuel to be procured shall be at the prevailing market price at the time of partial termination or suspension.

In the event of termination because of GPA’s default, the CONTRACTOR shall not be liable for the difference between the contract price and the prevailing market price at the time of termination.

### **SECTION 32. ATTORNEYS FEES**

Should a default by either party result in litigation, the successful party shall be entitled to recover its reasonable attorney’s fees from the defaulting party.

### **SECTION 33. TERMINATION FOR CONVENIENCE**

(a) **Termination.**

The delivery of fuel oil supply under this Contract may be terminated by **GPA** in accordance with this clause in whole, or from time to time in part.

Any such termination shall be effected by delivery to the **CONTRACTOR** of a written Notice of Termination specifying the extent to which supply of fuel oil under the Contract is terminated.

In the case of termination of this Contract, GPA shall reimburse the **CONTRACTOR** of all the expenses related to the period of the Performance Bond that were not used.

(b) **CONTRACTOR's Obligations.**

The **CONTRACTOR** shall incur no further obligations in connection with the terminated fuel oil supply delivery and on the date set in the Notice of Termination the **CONTRACTOR** will stop delivery of fuel oil to the extent specified. The **CONTRACTOR** shall also terminate outstanding orders and Contracts, if any, as they relate to the terminated Contract for fuel oil supply. The **CONTRACTOR** shall settle the liabilities and claims arising out of the termination of orders and Contracts, if any, connected with the terminated fuel oil supply delivery. **GPA** may direct the **CONTRACTOR** to assign the Contractor's right, title and interest under the terminated orders or Contracts to **GPA**. The **CONTRACTOR** must still deliver fuel oil supply not terminated by the Notice of Termination and may incur obligations as are necessary to do so.

(c) **Right to Supplies.**

**GPA** may require the **CONTRACTOR** to transfer title of fuel oil cargo in transit to Guam at the time of receipt by Contractor of **GPA's** Notice of Termination.

(d) **Compensation.**

(1) The **CONTRACTOR** shall submit a termination claim specifying the amounts due because of the termination for convenience. If the **CONTRACTOR** fails to file a termination claim within ONE (1) year from effective date of termination, **GPA** may pay the **CONTRACTOR**, if at all, an amount set in accordance with subparagraph (3) of this paragraph.

(2) **GPA** and the **CONTRACTOR** may agree to a settlement provided the **CONTRACTOR** has filed a termination claim supported by cost or pricing data to the extent required by Section 3-403 (Cost or Pricing Data) of the Guam Procurement Regulations and that the settlement does not exceed the total Contract price plus settlement costs reduced by

payments previously made by **GPA**, the proceeds of any sales of supplies and manufacturing materials under the Guam Uniform Commercial Code, and the Contract price of the fuel supply not terminated.

- (3) Absent complete agreement under subparagraph (1) of this paragraph, **GPA** may pay the **CONTRACTOR** the following amounts, provided payments agreed to under subparagraph (2) shall not duplicate payments under this subparagraph:

(i) Fuel oil Contract prices for supplies or services accepted under the Contract by **GPA**;

(ii) Costs incurred in preparing to perform and performing the terminated portion of the delivery of fuel oil plus a fair and reasonable profit on such portion of the delivery (such profit shall not include anticipatory profit or consequential damages) less amounts paid or to be paid for accepted fuel oil supplies or services; provided, however, that if it appears that the **CONTRACTOR** would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;

(iii) Costs of settling and paying claims arising out of the termination of Contracts or orders pursuant to paragraph (2) of this clause. These costs must not include costs paid in accordance with subparagraph (3)(ii) of this paragraph;

(iv) The reasonable settlement costs of the **CONTRACTOR** including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the Contract for the termination and settlement of Contracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of property allocable to the terminated portion of this Contract. The total sum to be paid the **CONTRACTOR** under this subparagraph shall not exceed the total Contract price plus the reasonable settlement costs of the **CONTRACTOR** reduced by the amount of payments otherwise made, the proceeds of any sales of supplies and manufacturing materials under the Uniform Commercial Code.

**SECTION 34. REMEDIES CUMMULATIVE**

Each and all remedies available to a party in the event of the other party's failure to comply timely with any or all the terms and conditions of the Contract may be exercised independently or in combination (such rights being nonexclusive one with the other). The remedies set forth in the Contract are in addition to, and not in lieu of, all of the remedies available at law or in equity.

**SECTION 35. COVENANT AGAINST CONTIGENT FEES**

The **CONTRACTOR** warrants no person or selling agency has been employed or retained to solicit or secure the Contract upon agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agency maintained by the **CONTRACTOR** for the purpose of securing business. For breach or violation of this warranty, **GPA** shall have the right to annul the Contract without liability or, in its discretion, to deduct from the Contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

**SECTION 36. NOTICE**

Except as otherwise expressly specified herein, any notice to be given hereunder by either party to the other shall be deemed sufficiently given if in writing and enclosed in an envelope properly stamped and addressed to the party at the address set forth in this section, and deposited in the United States mail or by International courier. Either party may change its address by giving FIFTEEN (15) days prior written notice to the other party. Such address until further notice shall be:

**GPA:** General Manager  
Guam Power Authority  
Post Office Box 2977  
Hagatna, Guam 96932-2977  
TELEFAX: (671) 648-9225

**CONTRACTOR:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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### **SECTION 37. INTEREST OF OTHER PARTIES**

**CONTRACTOR** warrants that no member of the governing body of **GPA**, and no other officer, employee, or agent of **GPA** who exercises any functions or responsibilities in connection with the work to which the Contract pertains, and no employee, agent or member of the Guam Legislature or other public official of the Government of Guam, has or shall have any personal economic or financial interest, direct or indirect, in the Contract.

### **SECTION 38. ASSIGNMENT**

**CONTRACTOR** declares that the only persons or parties interested in the Contract as principals are named herein and that the Contract is made without participation by or benefit to any other person, firm or corporation, except as specified herein.

**CONTRACTOR** agrees that it will not assign to nor permit Contract participation in whole or in part by any other person, firm or corporation not specified as a principal without the prior written consent of **GPA**. If such assignment is permitted, **CONTRACTOR** will guarantee the performance of all terms and obligations of the Contract, and such assignment shall not alter **CONTRACTOR**'s obligations hereunder. No assignee of **CONTRACTOR** shall have the right to assign the Contract without **GPA**'s consent which may be given or refused at **GPA**'s absolute discretion.

**CONTRACTOR** and **GPA** shall not transfer or assign its rights and obligations under this contract, in whole or in part, without the prior written consent of the other party.

Notwithstanding the foregoing, the **CONTRACTOR** may transfer or assign its rights and obligations under this contract, in whole or in part, to a US based affiliate (as defined hereinafter), with ninety (90) days prior notice to and at the consent of **GPA**. For the purpose of this contract, "US based affiliate" means any company or legal entity based in the United States of America which (a) controls either directly or indirectly a party hereto, or (b) is controlled directly or indirectly by such party, or (c) is directly or indirectly controlled by a company or entity which directly or indirectly controls such

party. "Control" for purposes of the previous sentence means the ability to direct the management and policies of a company or legal entity, whether through ownership of securities, by contract or otherwise.

#### **SECTION 39. TIME**

Time is of the essence in the Contract and in every part hereof.

#### **SECTION 40. AMENDMENT AND WAIVER**

Neither the Contract nor any provision hereof may be changed, waived, altered, amended, discharged or terminated orally, but only by an instrument in writing signed by the party against whom enforcement of the change, waiver, alteration, amendment, discharge or termination is sought. For purposes of this Contract, the signature of the Chairman or his designee, of the Consolidated Commission on Utilities is required to bind the **AUTHORITY**.

Failure by either party to object to any failure of performance by the other party of any provision of the Contract shall not constitute a waiver of, or estoppel against, the right of such party to require such performance by the other. Nor shall any such failure to object constitute a waiver or estoppel with respect to any succeeding failure of performance.

#### **SECTION 41. DESCRIPTIVE HEADINGS**

The descriptive headings of the several Sections and Subsections in this Invitation are inserted for convenience only and shall not be deemed to affect the meaning or construction of any provision hereof.

#### **SECTION 42. RELATIONSHIP OF PARTIES**

Nothing contained in the Contract shall be deemed or construed by the parties or by any third person to create the relationship of principal and agent or of partnership or of joint venture or of any association between **CONTRACTOR** and **GPA**, and no provisions contained in the Contract nor any acts of the parties shall be deemed to create any relationship between **GPA** and **CONTRACTOR**, other than the relationship of buyer and seller.



#### **SECTION 43. NUMBER AND GENDER**

In the Contract the masculine gender includes the feminine and neuter, the singular number includes the plural, and the word "person" includes corporation, partnership, firm or association wherever the context so requires.

#### **SECTION 44. SUCCESSORS IN INTEREST**

Each and all of the covenants, conditions, and restrictions in the Contract shall inure to the benefit of and shall be binding upon the permitted assignees and successors in interest of either party.

#### **SECTION 45. PARTIAL INVALIDITY**

Should any part of the Contract for any reason be declared to be invalid, such decision shall not affect the validity of any remaining portion thereof, which remaining portion shall remain in force and effect as if the Contract had been executed with the invalid portion thereof eliminated, and it is hereby declared the intention of the parties that they would have executed the remaining portion of the Contract without including any such part, parts, or portions which may, for any reason, be hereafter declared invalid.

#### **SECTION 46. EQUAL OPPORTUNITY CLAUSE**

During the performance of the Contract the **CONTRACTOR** agrees as follows:

(a) The **CONTRACTOR** will not discriminate against any employee or applicant for employment because of race, color, religion, sex, political opinion or affiliation, or national origin. The **CONTRACTOR** will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, political opinion or affiliation, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demoting, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The **CONTRACTOR** agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the **GPA** setting forth the provisions of this equal opportunity clause.

(b) The **CONTRACTOR** will, in all solicitations or advertisements for employees placed by or on behalf of the **CONTRACTOR**, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, political opinion or affiliation, or national origin.

**SECTION 47. PROHIBITION AGAINST GRATUITIES, KICKBACKS, AND FAVORS TO THE TERRITORY**

GCA 5 §5630(c) prohibits the **CONSULTANT** against gratuities, kickbacks, and favors to the Territory.

**SECTION 48. RESTRICTION AGAINST CONTRACTOR EMPLOYING CONVICTED SEX OFFENDERS FROM WORKING AT GOVERNMENT OF GUAM VENUES**

GCA 5 §5253(b) restricts the **CONTRACTOR** against employing convicted sex offenders from working at Government of Guam venues. It states:

- (b) All contracts for services to agencies listed herein shall include the following provisions: (1) warranties that no person providing services on behalf of the **CONTRACTOR** has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 GCA or an offense as defined in Article 2 of Chapter 28, Title 9 GCA, or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry; and (2) that if any person providing services on behalf of the **CONTRACTOR** is convicted of a sex offense under the provisions of Chapter 25 of Title 9 GCA or an offense as defined in Article 2 of Chapter 28, Title 9 GCA or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry, that such person will be immediately removed from working at said agency and that the administrator of said agency be informed of such within twenty-four (24)

hours of such conviction.

**SECTION 49. CONTRACT BINDING EFFECT**

All EXHIBITS attached hereto are incorporated herein by reference in its entirety.

This Contract is binding upon the **CONTRACTOR** only if **CONTRACTOR** has been awarded the Contract in response to the **IFB-GPA- -20**. This Contract is subject to the approval of **GPA** and the Public Utilities Commission and it shall not be binding on part of **GPA** until such approval is made as evidenced by the signatories below.

For the **Guam Power Authority (GPA)**:

\_\_\_\_\_  
**John M. Benavente, P.E.**  
**General Manager**

\_\_\_\_\_  
**DATE**

For (**CONTRACTOR**):

(Company Name and Seal)

\_\_\_\_\_  
**CONTRACTOR, Duly Authorized**  
**REPRESENTATIVE OF COMPANY**

\_\_\_\_\_  
**DATE**

**APPROVED AS TO FORM:**

\_\_\_\_\_  
**Graham Botha, Legal Counsel**  
**GUAM POWER AUTHORITY**

\_\_\_\_\_  
**DATE**

**SCHEDULE A: PRODUCT QUALITY SPECIFICATION****RESIDUAL FUEL OIL NO.6**

| Item | Test Parameter                                    | Unit of Measure                                | Approved Test Method | Acceptable Alternate Test Methods  | Minimum Allowed Value         | Maximum Allowed Value                     | Comments  |
|------|---|--|----------------------|--|-------------------------------|---|---|
| 1    | <b>Sulphur Content</b>                            | % mass   | ASTM D-4294          | ASTM D-2622  | N/A                           | LSFO = 1.19<br>HSFO = 2.00                |   |
| 2    | <b>Sulphur Mercaptan</b>                          | Ppm (g/kg)                                     | ASTM D-3227          | UOP 163  |                               | 100                                       |   |
| 3    | <b>Pour Point</b>                                 | Deg C  | ASTM D-97            | N/A  | N/A                           | 21  |   |
| 4    | <b>Flash Point</b>                                | Deg C  | ASTM D-93            | N/A  | 66                            | N/A                                       |   |
| 5    | <b>Kinematic Viscosity</b>                        | cSt at 50 °C                                   | ASTM D-445           | ASTM D-2161  |                               | 175                                       |   |
| 6    | <b>Sediment By Extraction</b>                     | % mass   | ASTM D-473           | N/A  | N/A                           | 0.05                                      |   |
| 7    | <b>Water By Distillation</b>                      | % by Volume                                    | ASTM D-95            | N/A  | N/A                           | 0.50                                      |   |
| 8    | <b>Vanadium Content</b>                           | Parts Per Million                              | ASTM D-5708          | a)ASTM D-5184<br>b)ASTM D-5863<br>c) IP 501<br>d) IP 433<br>e) ISO 14597 | N/A                           | 90  |   |
| 9a   | <b>Silicon Content</b>                            | Parts Per Million                              | ASTM D-5184          | a) IP 470<br>b) IP 377<br>c) ISO 10487<br>d) IP 501                      | N/A                           | Combined Al + Si<br>Not to exceed 70 ppm. | Individual results to be reported separately  |
| 9b   | <b>Aluminum Content</b>                           | Parts Per Million                              | ASTM D-5184          | a) IP 470<br>b) IP 377<br>c) ISO 10487<br>d) IP 501                      | N/A                           | Al not to exceed 30 ppm.                  |   |
| 10   | <b>Guaranteed Gross Heating Value (HHV)</b>       | Million BTU Per US Barrel                      | ASTM D-240           | N/A  | 6.10                          | N/A                                       |   |
| 11   | <b>Micro- Carbon Residue</b>                      | % mass   | ASTM D-4530          | ASTM D-5245<br>ASTM D-189<br>(see comments)                              | N/A                           | 10  |   |
| 12   | <b>Ash</b>  | % mass   | ASTM D-482           | N/A  | N/A                           | 0.10                                      |   |
| 13   | <b>Asphaltenes</b>                                | % mass   | ASTM D-6560          | IP 143   | N/A                           | 5   |   |
| 14   | <b>Sodium</b>                                     | Ppm  | ASTM D-5863/B        | ASTM D-5708/B<br>IP288<br>IP 501   | N/A                           | 40  |   |
| 15   | <b>Total Sediment (Existent)</b>                  | % mass   | ISO 10307-2          | ASTM D-4870<br>IP 377  | N/A                           | 0.10                                      |   |
| 16   | <b>Compatibility</b>                              | a) Cleanliness ratio<br>b) Compatibility ratio | ASTM D-4740          | N/A  | N/A                           | a) 1<br>b) 1                              | a) to be reported from load port<br>b) to be determined on arrival Guam unless otherwise notified in the specific instance. See Note. |
| 17   | <b>API Gravity</b>                                |  | ASTM D-287           | ASTM D-1298 and conversion   | 12.1                          | 23.0                                      |   |
| 18   | <b>Density @ 15 °C</b>                            | Kg/L   | ASTM D-287           | ASTM D-1298<br>ASTM D-4052   |                               | 0.9855                                    |   |
| 19   | <b>Odor</b>                                       |  |                      |  | Report                        |   | See Note  |
| 20   | <b>Hydrogen Sulfide content (in liquid phase)</b> | Mg/kg  | IP-399               | IP-570   | N/A                           | 2.0                                       | See Note  |
| 21   | <b>Used lubricating Oil (ULO)</b>                 |  |                      |  | The fuel shall be free of ULO |   | See note  |
|      | <b>Zinc</b>                                       | Mg/kg  | IP 501               | IP 470   |                               | 10  |   |
|      | <b>Phosphorus</b>                                 | Mg/kg  | IP 501               | IP 500   |                               | 10  |   |
|      | <b>Calcium</b>                                    | Mg/kg  | IP 501               | IP 470   |                               | 30  |   |

The Authority reserves the right to require the supplier to add and to conduct additional tests as necessary.

**Notes on Schedule A:****Item 16: Compatibility**

**CONTRACTOR** shall ensure that each shipment of fuel oil is compatible with a representative sample of the previous shipment of the same grade. Testing for compatibility will be conducted at load port according to the test method ASTM D-4740 mutually agreed between both parties and the **CONTRACTOR** will guarantee spot rating of 1.

**Item 19: Odour.**

The odor shall be typical and characteristic of mild hydrocarbon smell, but must not be unusually strong, repulsive, or obnoxious. The fuel delivered shall be subject to inspection by regulatory agencies such as the United States Environmental Protection Agency (USEPA), or by an independent third party inspector, should issues related to odour arise. In the event that such unusually strong, repulsive, or obnoxious odor is detected and is deemed due to the quality of the product delivered by the Contractor, the product shall be replaced at the Contractor's expenses.

**Item 20:**

**Hydrogen Sulfide in Liquid Phase.** Individual samples shall be drawn on the ship compartments. Report shall be based on the mathematical average of the test results.

**Hydrogen Sulfide in Vapour.** The Contractor or its agent is required to disclose the Hydrogen Sulfide concentration for each cargo compartment on a daily basis upon sailing from the load port. The Contractor shall ensure that the Hydrogen Sulfide concentration in vapour phase on board the vessel does not exceed 80 ppm prior to cargo arrival on Guam. In the event that the Hydrogen Sulfide levels are exceeded on cargo arrival, the vessel will be required to leave the Guam port and de-gas to the required concentration and all costs shall be borne by the Contractor.

**Item 21: Used Lubricating Oil.**

A fuel shall be considered to be free of ULO if one or more of the elements zinc, phosphorus and calcium are below or at the specified limits.

All three elements shall exceed the same limits before a fuel shall be deemed to contain ULO.

SCHEDULE B: F-1 DOCK PORT AND TERMINAL INFORMATION  
HANDBOOK

SCHEDULE C: F-1 DOCK FACILITY- VESSEL VETTING PROCEDURE



GPA Work Session - February 20, 2020 - ISSUES FOR DECISION

| Historical Purchases | LSFO    |           |                 | HSFO      |           |                  | Combined (LSFO + HSFO) |           |                  |
|----------------------|---------|-----------|-----------------|-----------|-----------|------------------|------------------------|-----------|------------------|
|                      | Barrels | Unit Cost | Total Cost      | Barrels   | Unit Cost | Total Cost       | Barrels                | Unit Cost | Total Cost       |
| FY2014               | 753,374 | \$108.26  | \$81,561,949.13 | 1,863,600 | \$102.70  | \$191,397,995.50 | 2,616,975              | \$104.30  | \$272,959,944.63 |
| FY2015               | 635,993 | \$67.93   | \$43,199,852.31 | 1,774,753 | \$63.12   | \$112,015,484.45 | 2,410,746              | \$64.38   | \$155,215,336.76 |
| FY2016               | 441,711 | \$50.71   | \$22,397,736.93 | 1,423,982 | \$38.23   | \$54,441,706.15  | 1,865,693              | \$41.19   | \$76,839,443.08  |
| FY2017               | 561,230 | \$60.33   | \$33,857,228.37 | 1,568,283 | \$55.61   | \$87,211,140.43  | 2,129,513              | \$56.85   | \$121,068,368.80 |
| FY2018               | 385,312 | \$80.64   | \$31,071,812.91 | 1,599,357 | \$69.56   | \$111,252,327.20 | 1,984,669              | \$71.71   | \$142,324,140.11 |
| FY2019               | 531,616 | \$73.67   | \$39,166,441.94 | 1,173,083 | \$69.29   | \$81,286,235.11  | 1,704,699              | \$70.66   | \$120,452,677.05 |
| FY2020               |         |           |                 |           |           |                  |                        |           |                  |

GPA Work Session - February 20, 2020 - ISSUES FOR DECISION

Cargo Summary Report - FY 2020  
Residual Fuel Oil No. 6 Cargoes

| Cargo No.                             | Vessel                              | Supplier | Loading Port                                 |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
|---------------------------------------|-------------------------------------|----------|--|------------|----------------|-------------------|---------------------|-----------------|--|------------|----------------|-------------------|---------------------|-----------------|----------------|---------------------------|------------------|
|                                       |                                     |          | Low Sulfur Fuel Oil (LSFO), 1.19% Sulfur Max |            |                |                   |                     |                 | High Sulfur Fuel Oil (HSFO), 2.00% Sulfur Max. |            |                |                   |                     |                 | Combined (RFO) |                           |                  |
|                                       |                                     |          | B/L Date                                     | BBL        | MOPS<br>\$/BBL | Premium<br>\$/BBL | Unit Cost<br>\$/BBL | Amount<br>(\$)  | B/L Date                                       | BBL        | MOPS<br>\$/BBL | Premium<br>\$/BBL | Unit Cost<br>\$/BBL | Amount<br>(\$)  | BBL            | Unit Cost (Avg)<br>\$/BBL | Amount<br>(\$)   |
| RFO-FY19-01<br>( 44 days turn-around) | MT "Elbrus"<br>01-03 Oct2019        | Mobil    | 09/19/19                                     | 100,192.00 | \$ 67.652      | \$11.871          | \$ 79.523           | \$7,967,618.14  | 09/21/19                                       | 129,948.00 | \$ 67.892      | \$6.211           | \$ 74.102           | \$9,629,462.46  | 230,140.00     | \$76.463                  | \$17,597,080.60  |
| RFO-FY19-02<br>(34 days turn-around)  | MT "Yankul Silver"<br>06-08Nov2019  | Mobil    | 10/28/19                                     | 133,208.00 | \$ 45.156      | \$11.871          | \$ 57.027           | \$7,596,489.28  | 10/27/19                                       | 86,432.00  | \$ 45.428      | \$6.211           | \$ 51.639           | \$4,463,232.52  | 219,640.00     | \$54.907                  | \$12,059,721.80  |
| RFO-FY19-03<br>( 46 days turn-around) | MT "Tuchkov Bridge"<br>22-24Dec2019 | Mobil    | 12/09/19                                     | 31,486.00  | \$ 37.754      | \$13.915          | \$ 51.669           | \$1,626,841.46  | 12/10/19                                       | 199,182.00 | \$ 40.561      | \$7.311           | \$ 47.872           | \$9,535,249.55  | 230,668.00     | \$48.390                  | \$11,162,091.01  |
| RFO-FY19-04<br>(44 days turn-around)  | MT "NS Spirit"<br>03-05Feb2020      | Mobil    | 01/25/20                                     | 0.00       | \$ 48.158      | \$13.915          | \$ 62.073           | \$0.00          | 01/25/20                                       | 233,301.00 | \$ 48.158      | \$7.311           | \$ 55.469           | \$12,940,970.51 | 233,301.00     | \$55.469                  | \$12,940,970.51  |
|                                       |                                     |          |  |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
|                                       |                                     |          |  |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
|                                       |                                     |          |  |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
|                                       |                                     |          |  |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
| Total Cargoes = 4                     |                                     |          |  |            |                |                   |                     |                 |  |            |                |                   |                     |                 |                |                           |                  |
| Y-T-D Totals :                        |                                     |          | 3  | 264,886.00 |                |                   |                     | \$17,190,948.88 | 4  | 648,863.00 |                |                   |                     | \$36,568,915.04 | 913,749.00     |                           | \$53,759,863.92  |
| Average :                             |                                     |          | Cargoes                                      | 88,295.33  |                |                   | \$64.899            | \$5,730,316.29  | Cargoes  | 162,215.75 |                |                   | \$56.358            | \$9,142,228.76  | 228,437.25     | \$58.834                  | \$ 13,439,965.98 |



## RFO SUPPLY CONTRACT HISTORY

| CONTRACT NO. | CONTRACTOR            | CONTRACT PERIOD                    | REMARKS                       | PREMIUM FEE COST * |          |          |           |
|--------------|-----------------------|------------------------------------|-------------------------------|--------------------|----------|----------|-----------|
|              |                       |                                    |                               | HSFO               |          | LSFO     |           |
|              |                       |                                    |                               | \$/bbl             | \$/MT    | \$/bbl   | \$/MT     |
| GPA-009-18   | Mobil Oil Guam, Inc.  | Dec 01, 2019-Aug31, 2020           | 2nd Yr of 2 Years base period | \$7.311            | \$46.500 | \$13.915 | \$88.500  |
| GPA-009-18   | Mobil Oil Guam, Inc.  | Dec 01, 2018-Nov30, 2019           | 1st Yr of 2 Years base period | \$6.211            | \$39.500 | \$11.871 | \$75.500  |
| GPA-068-12   | Hyundai Corporation   | Sep 01, 2015-Aug31, 2018           | 3 Years Extension Option      | \$6.555            | \$41.690 | \$12.530 | \$79.690  |
| GPA-068-12   | Hyundai Corporation   | Sep 01, 2013-Aug31, 2015           | 2 Years base period           | \$6.869            | \$43.690 | \$13.159 | \$83.690  |
| GPA-001-10   | Petrobras (Singapore) | DEC 01, 2012 - DEC 31, 2014        | 6 Months Extension            | \$14.211           | \$92.800 | \$18.040 | \$117.800 |
| GPA-001-10   | Petrobras (Singapore) | 3 Yrs (Mar 01, 2010- Feb 28, 2013) | 2 Yrs Renewable annually      | \$4.499            | \$29.828 | \$6.501  | \$42.452  |
| GPA-028-06   | BP (Singapore)        | Feb 01, 2007- Jan 31, 2010         | 2 Yrs Extension not exercised | \$5.303            | \$35.000 | \$8.788  | \$58.001  |
| GPA-007-03   | BP (Singapore)        | AUG 01, 2003 - JUL 31, 2006        | AUG 01, 2006 - JAN 31, 2007   | \$2.432            | \$16.051 | \$3.946  | \$26.044  |
| GPA-105-98   | BP (Singapore)        | AUG 01, 1998 - JUL 31, 2001        | AUG 01, 2001 - JUL 31, 2003   | \$1.970            | \$13.002 | \$2.990  | \$19.734  |
| N/A          | Daxin (Singapore)     | 1996 - 1998                        |                               | \$2.230            | \$14.718 | \$3.150  | \$20.790  |
| N/A          | VITOL (Singapore)     | 1995 - 1996                        |                               | \$2.646            | \$17.464 | \$3.570  | \$23.562  |
| N/A          | PEDCO                 | 1991 - 1994                        |                               | \$3.070            | \$20.262 | **       |           |
| N/A          | PEDCO                 | 1986 - 1991                        |                               | \$3.570            | \$23.562 | **       |           |
| N/A          | PETROMAR              | 1986 - 1991                        |                               | \$2.230            | \$14.718 | **       |           |
| N/A          | GORCO                 | 1981 - 1986                        |                               | N/A                |          | **       |           |

\* Per Contract Premium Fee Schedule (In addition to direct fuel cost based on RFO MOPS average)

\*\* LSFO supplied by the USN/PWC under Customer Service Agreement.

# GENERAL MANAGER'S REPORT

## FEBRUARY 2020

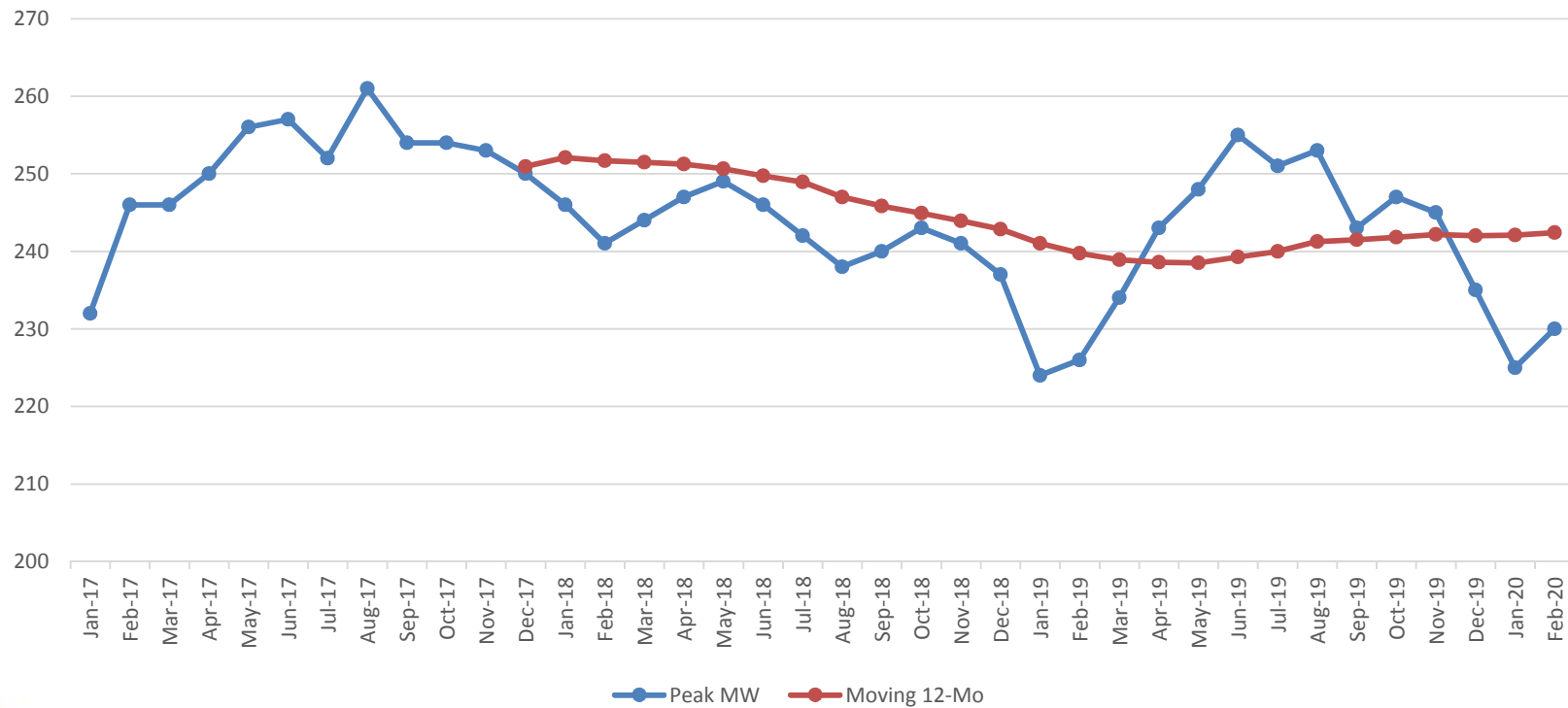


1. **Generation System:** The following is the generation forecast for March 2020:

Projected Available Capacity: 321 MW  
 Projected Demand: 238 MW  
 Anticipated Reserve Margin: 83 MW

Cabras Unit 2 to undergo 35 days overhaul from March 15<sup>th</sup> thru April 18<sup>th</sup>

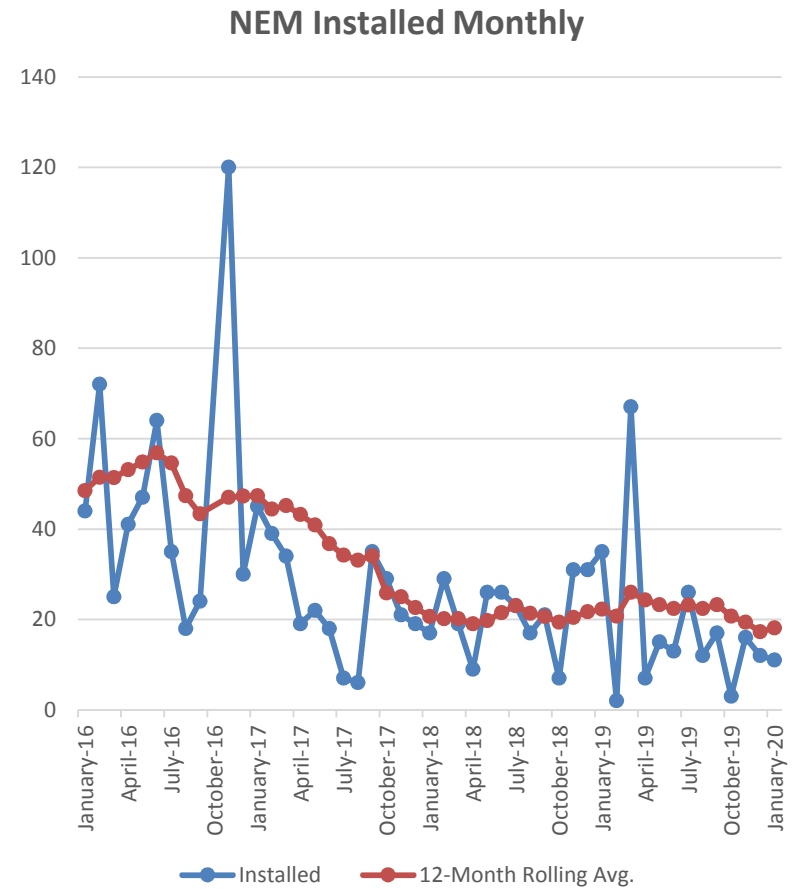
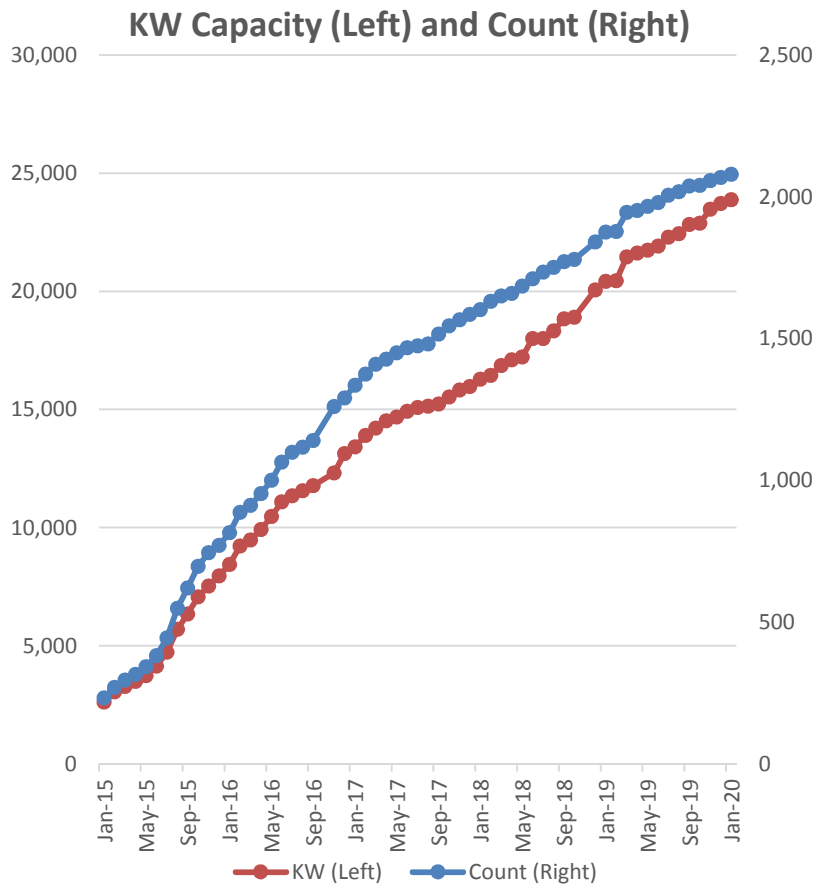
**System Peak MW Demand**



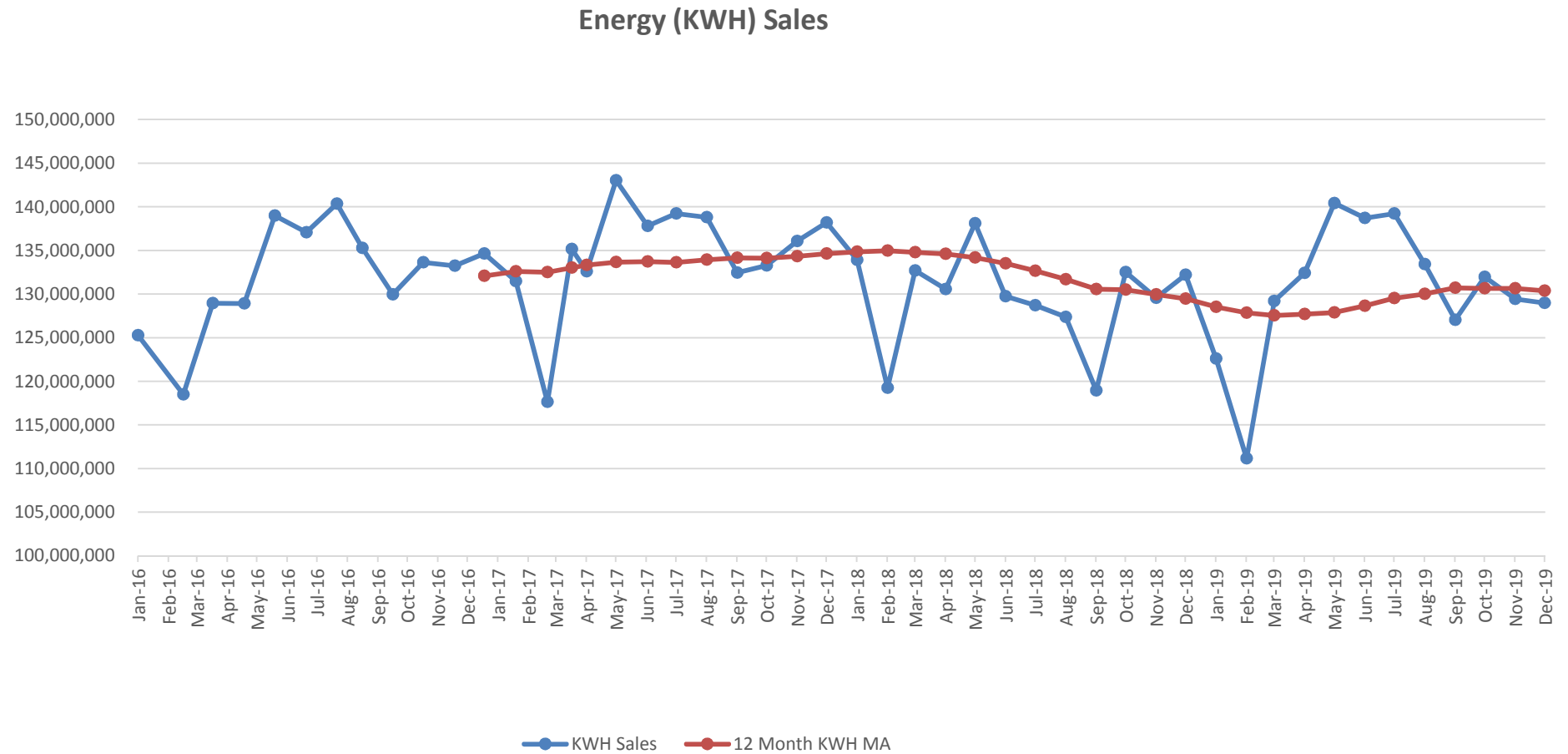
*Monthly peak MW demand ending February 10, 2020*



## 2. Net Metering (NEM) Growth Thru January 2020:



### 3. Energy Sales Thru December 2019:





# Demand Side Management (DSM)

5

4. Program directly reduces energy cost to customer at a one-time fixed rebate. These expenses funded from base rate. I have added \$500K from FY 2020 budget to cover expenses thru March 2020 in order to provide time for PUC to approve placing DSM under LEAC.

## DSM PROGRAM SUMMARY

| Description               | FY16                | FY17                | FY18                  | FY19                  | FY20                | Total to Date         |
|---------------------------|---------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|
|                           |                     |                     |                       |                       | As of 1/31/20       |                       |
| Regular/OT Pay            | \$11,348.80         | \$22,256.00         | \$26,121.83           | \$50,715.19           | \$11,519.27         | \$121,961.09          |
| Other Contractual         | \$28,278.50         | \$85,550.05         | \$116,977.50          | \$3,025.00            | -                   | \$233,831.05          |
| Ads & Radio Announcements | -                   | -                   | -                     | \$7,500.00            | \$1,500.00          | \$9,000.00            |
| Paid Rebates-Split AC     | \$154,700.00        | \$557,275.00        | \$1,349,825.00        | \$1,374,650.00        | \$274,575.00        | \$3,711,025.00        |
| Paid Rebates-Central AC   | \$3,400.00          | \$8,200.00          | \$4,400.00            | \$6,500.00            | \$1,000.00          | \$23,500.00           |
| Paid Rebates-Washer/Dryer | \$2,800.00          | \$7,425.00          | \$57,200.00           | \$110,800.00          | \$23,200.00         | \$201,425.00          |
| <b>Total Expenses</b>     | <b>\$200,527.30</b> | <b>\$680,706.05</b> | <b>\$1,554,524.33</b> | <b>\$1,553,190.19</b> | <b>\$311,794.27</b> | <b>\$4,300,742.14</b> |
| Bank Interest (+)         | \$1,676.42          | \$1,722.74          | \$1,222.29            | \$730.05              | \$127.57            | \$5,479.07            |
| Bank Fees                 | \$155.00            | \$1,032.06          | \$1,085.08            | \$1,247.54            | \$145.00            | \$3,664.68            |



## 5. PUC DOCKETS

- **Docket 20-04:** Cabras PMC Bid Invitation was approved. GPA issued a Multi-Step Invitation For Bid (MS-RFP); award recommendation to CCU & PUC targeted for June 2020
- **Docket 20-03:** LEAC Filing; Approved at \$0.134/kWh

## 6. AWARD OF RENEWABLES PHASE III

- GlidePath's appeals of GPA's intent to award to ENGIE is before the OPA. The formal hearing begins on March 25<sup>th</sup>.

## 7. USEPA CONSENT DECREE

- The USEPA filed the complaint and proposed consent decree in federal court on Thursday, Feb 7, 2020. The proposed consent decree now undergoes a 30-day public comment period (from February 12, 2020 to March 13, 2020) after which the federal judge will rule on the decree. CCU/GPA held a press conference on the announcement on Monday, Feb 10, 2020.

## 8. UKUDU POWER PLANT UPDATE

- KEPCO and GPA/Stanley Consultants continue to prepare and pursue the required environmental impact assessments and permits required before KEPCO can complete project financing. The financial close is targeted for this summer.



## 9. ENERGY STORAGE SYSTEM (ESS) UPDATE

- The testing of the 40 MW ESS at the Talofofo and Hagåtña substations is scheduled to begin at the end of this month. A third party commissioning team is arriving to oversee the testing.

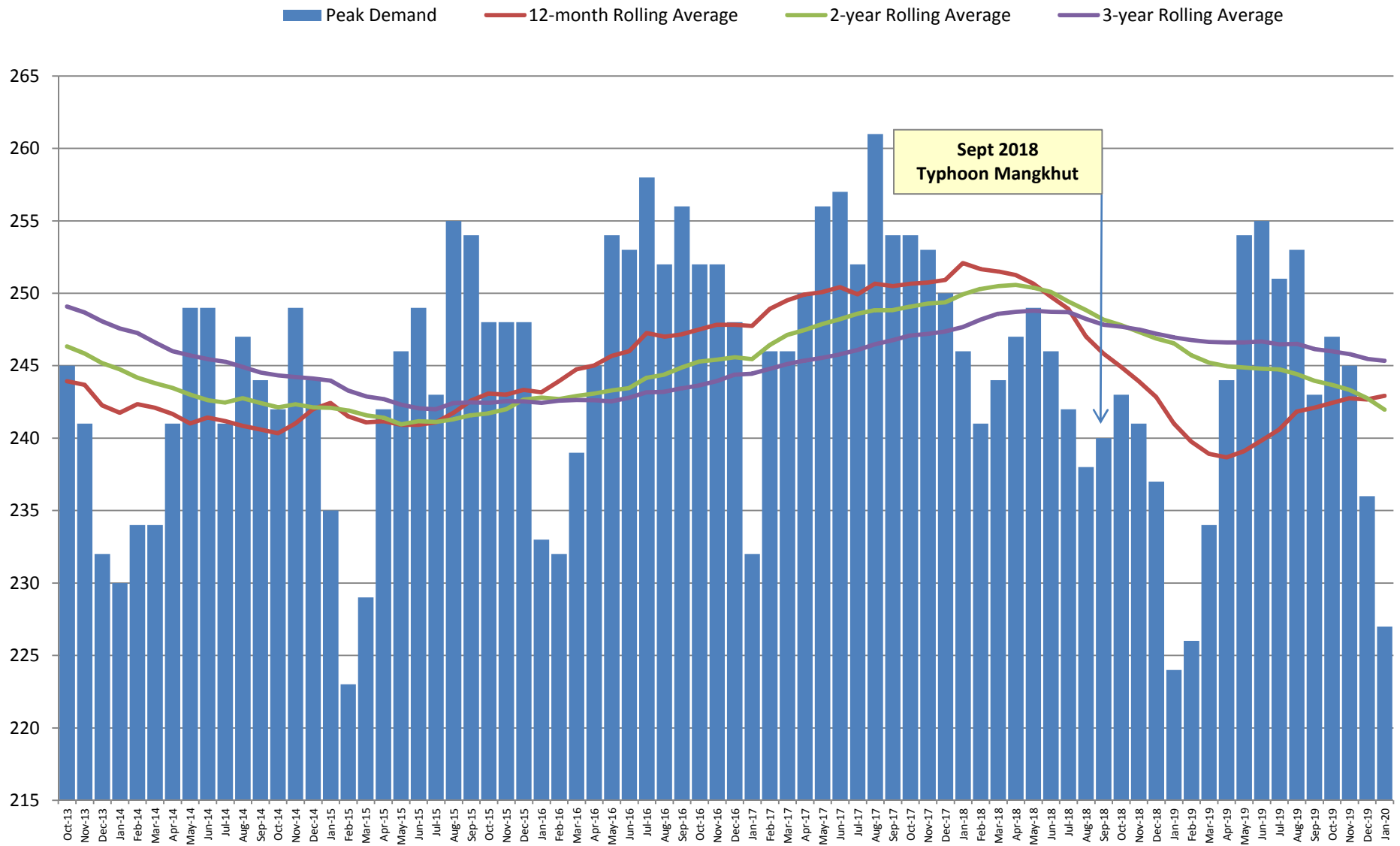
## 10. LEGISLATIVE ACTIVITY

- Bill 196-35: A roundtable was held by Senator Nelson related to providing procurement authority to GDOE to directly procure for Solar PV systems for public schools. I participated in the roundtable discussions and provided testimony with specific recommendations concerning GPA's involvement (attached).
- Bill 219-35: Senator San Agustin held a public hearing on the proposed legislation that would to provide GDOE and other educational institutions (GCC, UOG, charter schools, etc.) similar procurement authority and establish solar PV program rules. I attended the roundtable and provided testimony on the proposed bill. Senator San Agustin has requested for proposed revisions to the bill, as introduced.

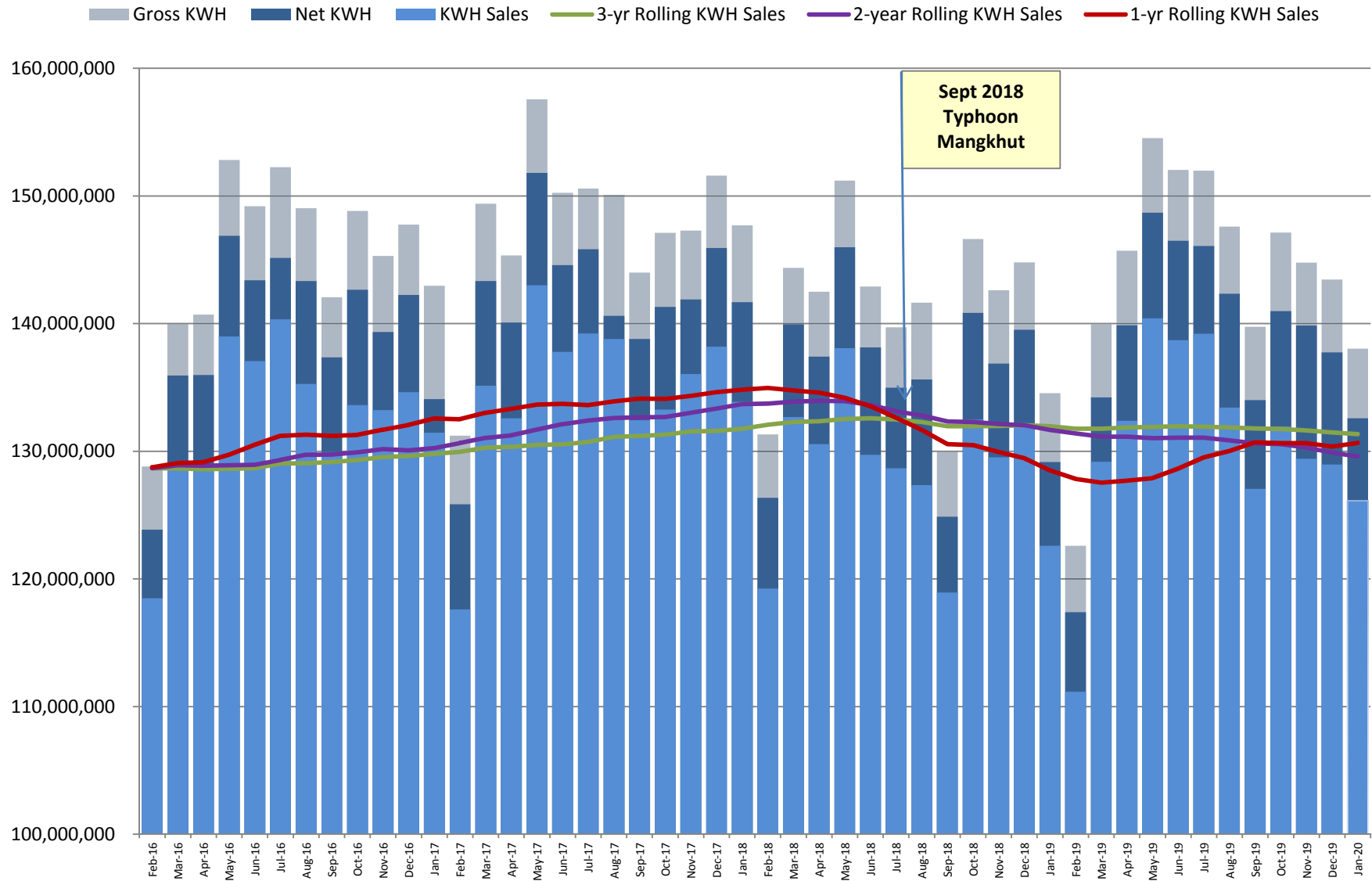
## 11. The following graphs show the updated system information:



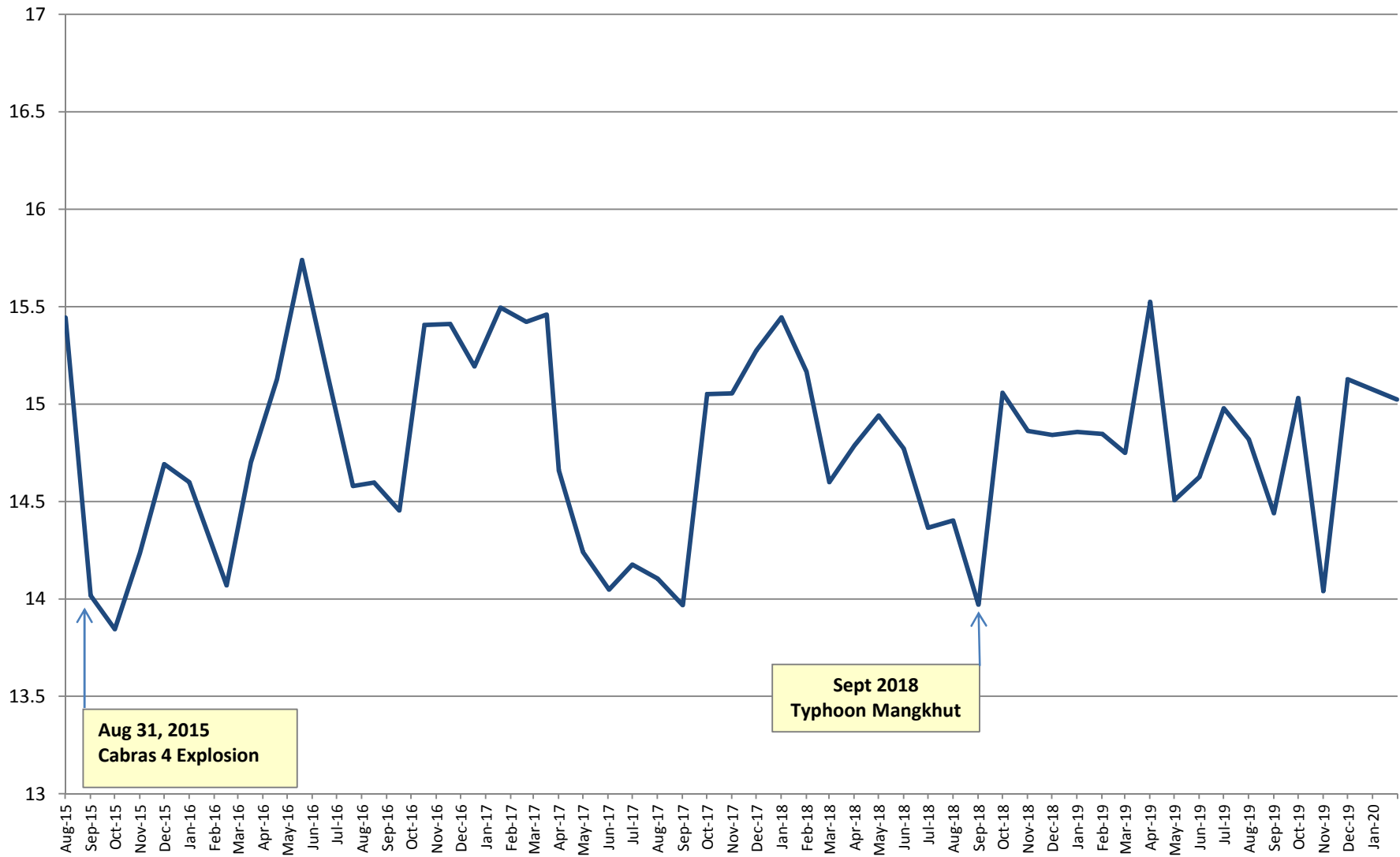
## Historical Monthly Peak Demand October 2013 - Jan 2020



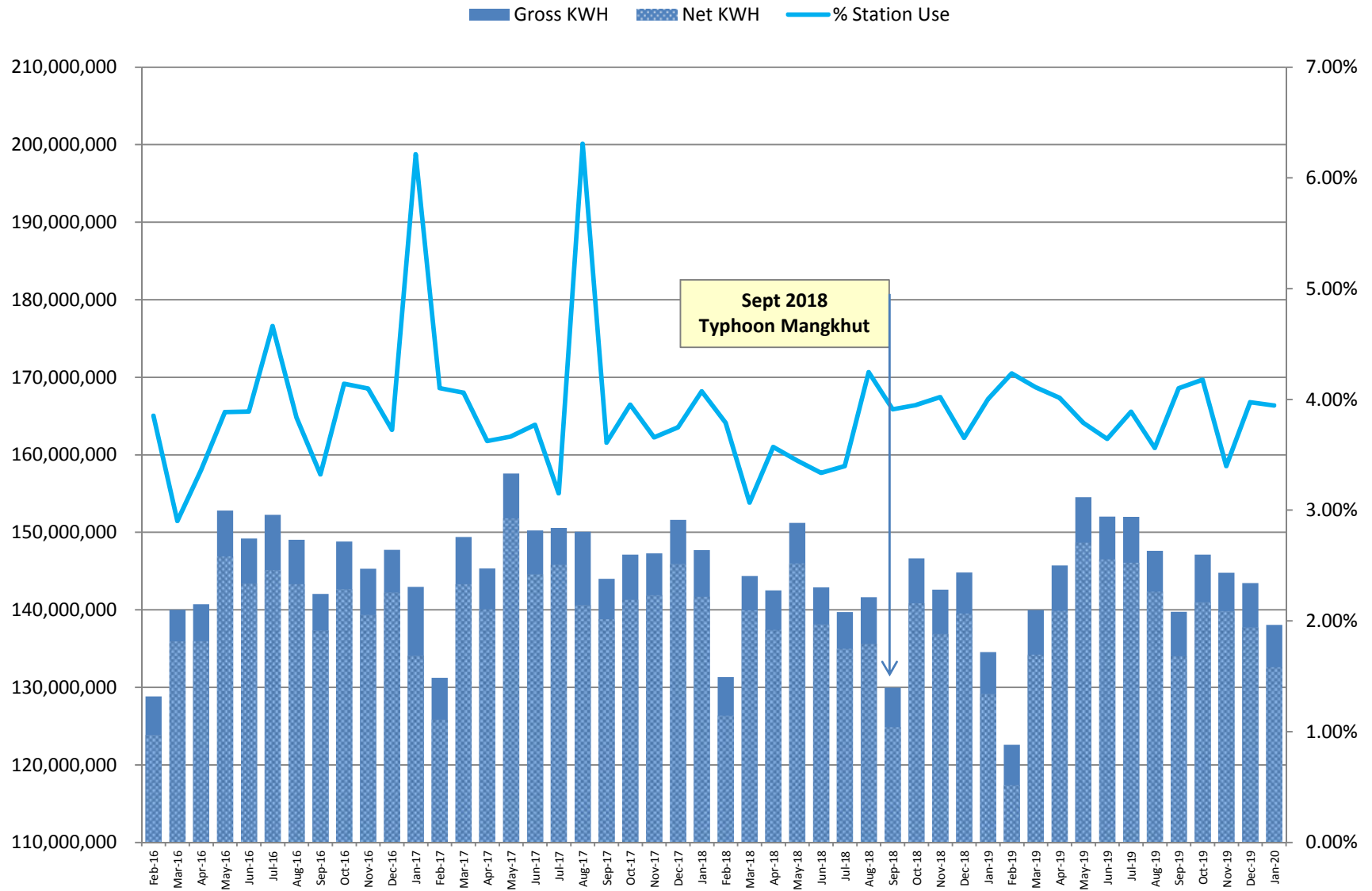
## Historical KWH Sales Feb 2016 - Jan 2020



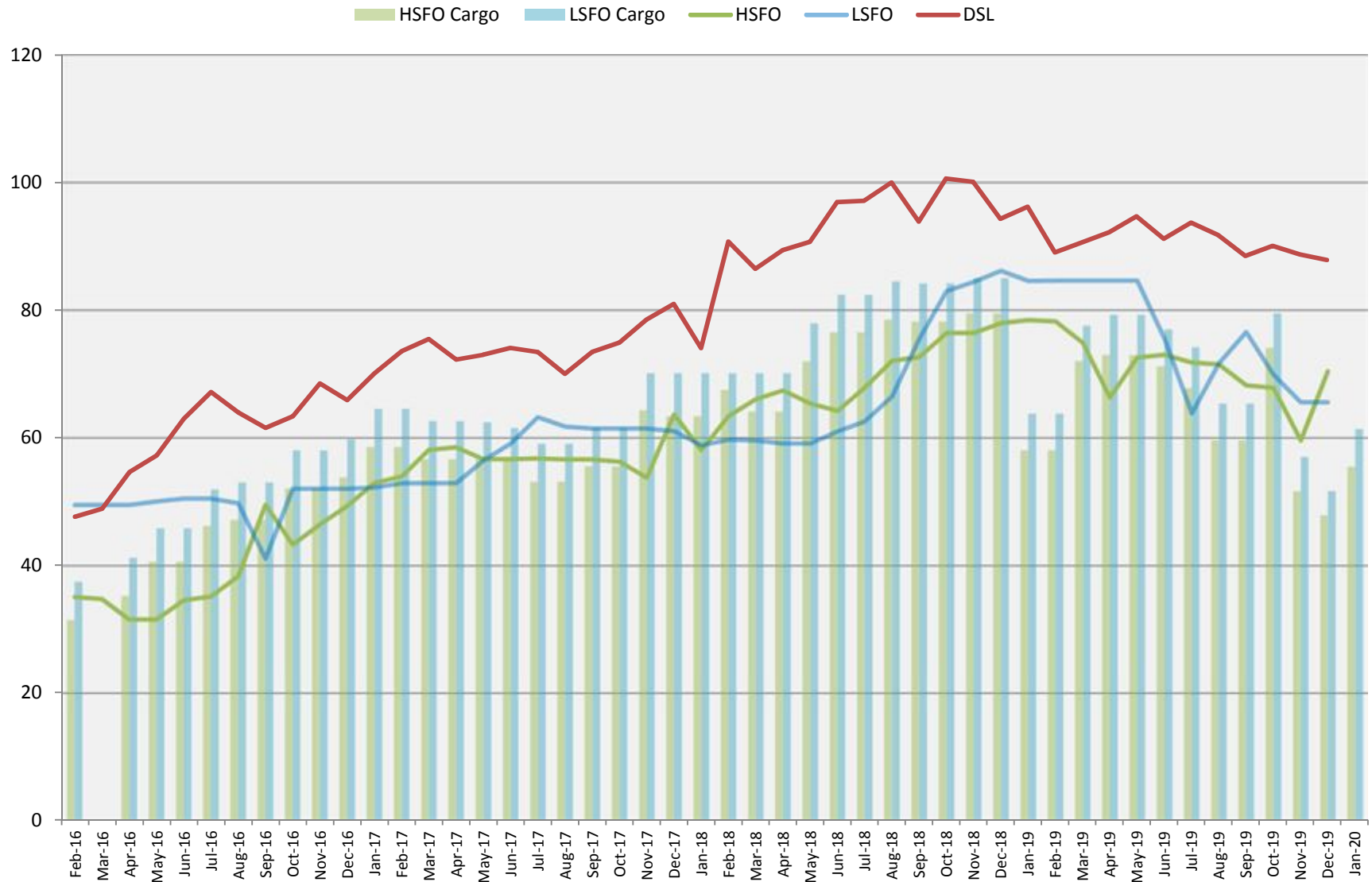
## SYSTEM GROSS HEAT RATE (KWH/Gal) Aug 2015 - Jan 2020



## Gross and Net Generation (KWH) Feb 2016 - Jan 2020



## Fuel Cargo and Fuel Consumption Costs (\$/bbl) Feb 2016 - Jan 2020





# **CFO**

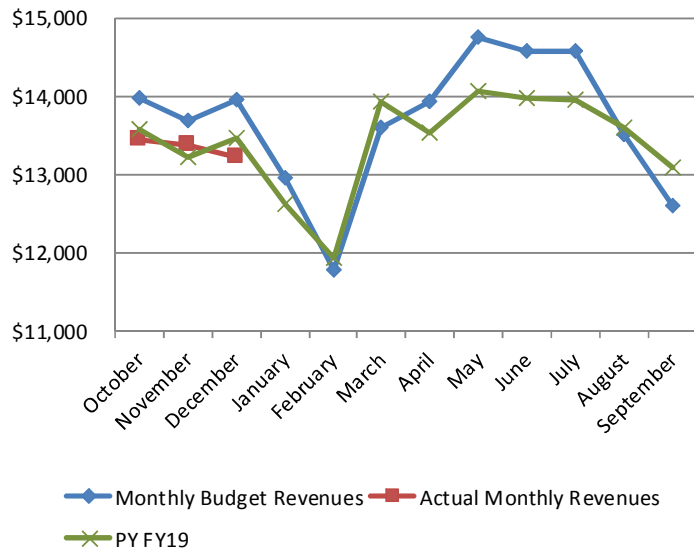
# **FINANCIAL HIGHLIGHTS**

## **December 2019**

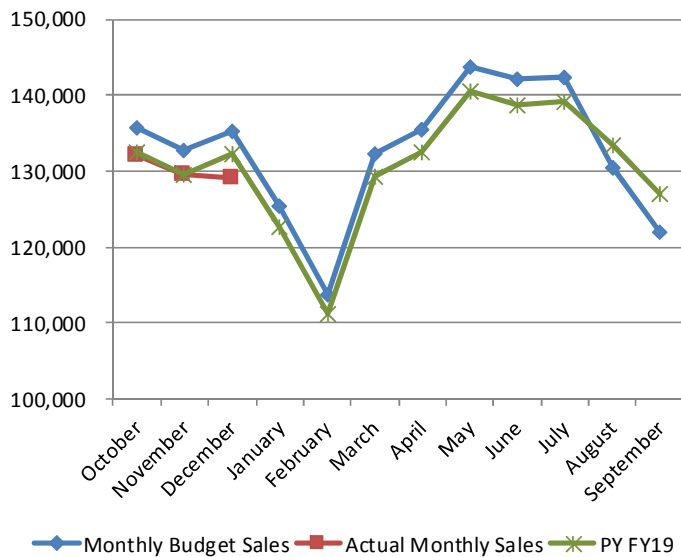
# December 2019 Monthly Financial Highlights

14

Base Rate Revenue \$000



MWh Sales



Through December 31, 2019

|              | Monthly Budget<br>\$000 Revenues | Actual Monthly<br>Revenues | Variance          |   | PY FY19           | CY vs PY<br>Variance |   |
|--------------|----------------------------------|----------------------------|-------------------|---|-------------------|----------------------|---|
| October      | \$ 13,968                        | \$ 13,440                  | \$ (528)          | ↓ | \$ 13,564         | \$ (125)             | ↓ |
| November     | 13,682                           | 13,358                     | \$ (324)          | ↓ | 13,203            | \$ 155               | ↑ |
| December     | 13,940                           | 13,216                     | \$ (724)          | ↓ | 13,467            | \$ (251)             | ↓ |
| January      | 12,940                           |                            |                   |   | 12,616            |                      |   |
| February     | 11,772                           |                            |                   |   | 11,915            |                      |   |
| March        | 13,587                           |                            |                   |   | 13,926            |                      |   |
| April        | 13,915                           |                            |                   |   | 13,520            |                      |   |
| May          | 14,755                           |                            |                   |   | 14,057            |                      |   |
| June         | 14,558                           |                            |                   |   | 13,977            |                      |   |
| July         | 14,563                           |                            |                   |   | 13,951            |                      |   |
| August       | 13,499                           |                            |                   |   | 13,595            |                      |   |
| September    | 12,585                           |                            |                   |   | 13,073            |                      |   |
| <b>Total</b> | <b>\$ 163,763</b>                | <b>\$ 40,014</b>           | <b>\$ (1,576)</b> |   | <b>\$ 160,865</b> | <b>\$ (221)</b>      |   |

Through December 31, 2019

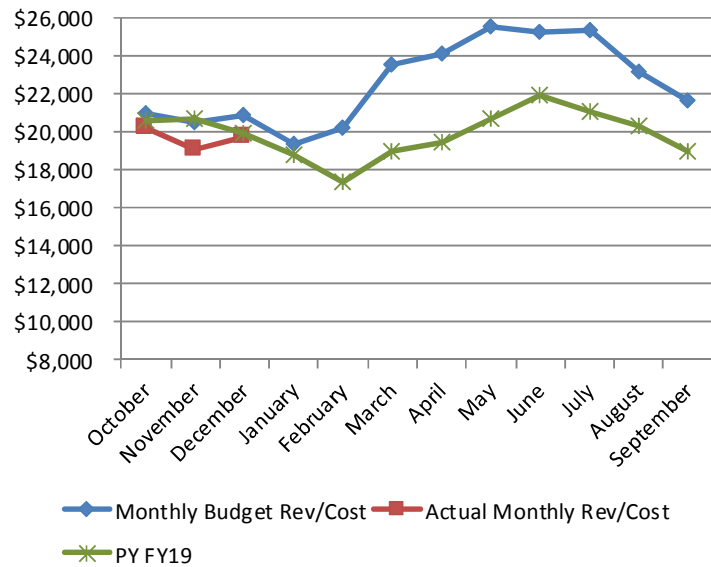
|              | Monthly Budget<br>mwh Sales | Actual Monthly<br>Sales | Variance        |   | PY FY19          | CY vs PY<br>Variance |   |
|--------------|-----------------------------|-------------------------|-----------------|---|------------------|----------------------|---|
| October      | 135,650                     | 131,953                 | (3,697)         | ↓ | 132,489          | (536)                | ↓ |
| November     | 132,721                     | 129,421                 | (3,300)         | ↓ | 129,537          | (116)                | ↓ |
| December     | 135,343                     | 128,958                 | (6,385)         | ↓ | 132,190          | (3,232)              | ↓ |
| January      | 125,456                     |                         |                 |   | 122,590          |                      |   |
| February     | 113,726                     |                         |                 |   | 111,159          |                      |   |
| March        | 132,206                     |                         |                 |   | 129,170          |                      |   |
| April        | 135,521                     |                         |                 |   | 132,396          |                      |   |
| May          | 143,721                     |                         |                 |   | 140,412          |                      |   |
| June         | 142,093                     |                         |                 |   | 138,704          |                      |   |
| July         | 142,383                     |                         |                 |   | 139,204          |                      |   |
| August       | 130,434                     |                         |                 |   | 133,422          |                      |   |
| September    | 121,840                     |                         |                 |   | 127,050          |                      |   |
| <b>Total</b> | <b>1,591,092</b>            | <b>390,332</b>          | <b>(13,381)</b> |   | <b>1,568,322</b> | <b>(3,884)</b>       |   |



# December 2019 Monthly Financial Highlights (Continued)

15

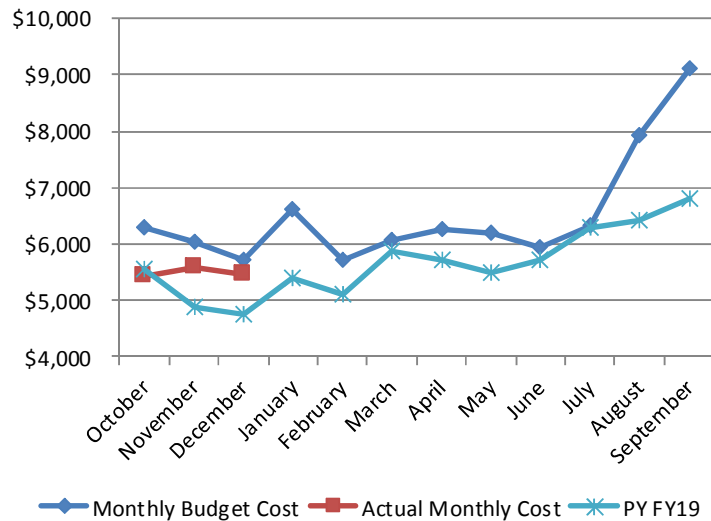
Fuel Revenue/ Cost \$000



Through December 31, 2019

|              | Monthly Budget<br>\$000 | Actual Monthly<br>Rev/Cost | Variance          |   | PY FY19           | CY vs PY<br>Variance |
|--------------|-------------------------|----------------------------|-------------------|---|-------------------|----------------------|
| October      | \$ 20,923               | \$ 20,165                  | \$ (758)          | ↓ | \$ 20,550         | \$ (385)             |
| November     | 20,471                  | 19,088                     | \$ (1,383)        | ↓ | 20,711            | \$ (1,622)           |
| December     | 20,876                  | 19,697                     | \$ (1,179)        | ↓ | 19,969            | \$ (272)             |
| January      | 19,351                  |                            |                   |   | 18,822            |                      |
| February     | 20,219                  |                            |                   |   | 17,368            |                      |
| March        | 23,505                  |                            |                   |   | 19,017            |                      |
| April        | 24,094                  |                            |                   |   | 19,442            |                      |
| May          | 25,552                  |                            |                   |   | 20,711            |                      |
| June         | 25,263                  |                            |                   |   | 21,932            |                      |
| July         | 25,314                  |                            |                   |   | 21,082            |                      |
| August       | 23,190                  |                            |                   |   | 20,331            |                      |
| September    | 21,662                  |                            |                   |   | 18,935            |                      |
| <b>Total</b> | <b>\$ 270,418</b>       | <b>\$ 58,950</b>           | <b>\$ (3,319)</b> |   | <b>\$ 238,868</b> | <b>\$ (2,279)</b>    |

O&amp;M Cost \$000



Through December 31, 2019

|              | Monthly Budget<br>\$000 | Actual Monthly<br>Cost | Variance        |   | PY FY19          | CY vs PY<br>Variance |
|--------------|-------------------------|------------------------|-----------------|---|------------------|----------------------|
| October      | \$ 6,290                | 5,411                  | 878             | ↑ | 5,551            | 140                  |
| November     | 6,016                   | 5,572                  | 444             | ↑ | 4,875            | (697)                |
| December     | 5,725                   | 5,460                  | 265             | ↑ | 4,762            | (698)                |
| January      | 6,607                   |                        |                 |   | 5,399            |                      |
| February     | 5,701                   |                        |                 |   | 5,114            |                      |
| March        | 6,050                   |                        |                 |   | 5,869            |                      |
| April        | 6,258                   |                        |                 |   | 5,704            |                      |
| May          | 6,179                   |                        |                 |   | 5,485            |                      |
| June         | 5,922                   |                        |                 |   | 5,703            |                      |
| July         | 6,321                   |                        |                 |   | 6,276            |                      |
| August       | 7,908                   |                        |                 |   | 6,421            |                      |
| September    | 9,102                   |                        |                 |   | 6,797            |                      |
| <b>Total</b> | <b>\$ 78,079</b>        | <b>\$ 16,444</b>       | <b>\$ 1,587</b> |   | <b>\$ 67,956</b> | <b>\$ (1,255)</b>    |



# December 2019 Monthly Financial Highlights (Continued)

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| Through December 31 , 2019 |               |               |               |               |               |               |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                            | 4Q2018        | 1Q2019        | 2Q2019        | 3Q2019        | 4Q2019        | 1Q2020        |
| Residential                | 43,887        | 43,920        | 44,144        | 44,329        | 44,479        | 44,203        |
| Commercial                 | 5,261         | 5,273         | 5,291         | 5,303         | 5,289         | 5,154         |
| Government                 | 1,077         | 1,090         | 1,074         | 1,075         | 1,070         | 1,072         |
| Streetlights               | 1,152         | 1,151         | 1,152         | 1,138         | 1,138         | 1,135         |
| Navy                       | 1             | 1             | 1             | 1             | 1             | 1             |
| <b>Total</b>               | <b>51,378</b> | <b>51,435</b> | <b>51,662</b> | <b>51,846</b> | <b>51,977</b> | <b>51,565</b> |

| Debt service coverage (DSC) calculation-indenture  | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|--|------|------|------|------|------|------|
| Senior lien coverage                               | 3.62 | 3.28 | 2.65 | 2.53 | 1.97 | 1.79 |
| Aggregate debt service coverage                    | 2.62 | 3.28 | 2.65 | 2.53 | 1.97 | 1.79 |
| Debt service coverage (DSC) calculation-IPP as O&M |      |      |      |      |      |      |
| Senior lien coverage                               | 2.56 | 2.45 | 1.79 | 1.65 | 1.64 | 1.60 |
| Aggregate debt service coverage                    | 1.85 | 2.45 | 1.79 | 1.65 | 1.64 | 1.60 |

Fuel Under Recovery – \$6,472,638



## Customer Service Division

January 2020

| SITE        | Less than<br>10 Mins. | %   | 10-15<br>Mins. | %   | 15-30<br>Mins. | %   | 30-45<br>Mins. | %  | TOTAL | Location<br>% |
|-------------|-----------------------|-----|----------------|-----|----------------|-----|----------------|----|-------|---------------|
| FADIAN      | 1,917                 | 73% | 238            | 9%  | 329            | 13% | 138            | 5% | 2,622 | 40%           |
| HAGATNA     | 1,360                 | 77% | 238            | 13% | 134            | 8%  | 33             | 2% | 1,765 | 27%           |
| UPPER TUMON | 1,641                 | 78% | 269            | 13% | 162            | 8%  | 29             | 1% | 2,101 | 32%           |
| TOTAL:      | 4,918                 | 76% | 745            | 11% | 625            | 10% | 200            | 3% | 6,488 | 99%           |

**Government Accounts Receivable:** CSD reports invoices for the month of December 2019, for 75 active government accounts with an overall total of \$9,264,261.18, and 30 accounts were current (40%), 45 accounts with arrears (60%). 32 fax/emails issued to government accounts totaling \$2,237,165.40. Nov 2019 invoices, 28 accounts paid in full.

## Credit and Collection

**Delinquent Ratio:** As of Jan 2020, the authority reported a total 48,457, active customers. The "Delinquent Ratio" was recorded at 5.42% with 2,625 total delinquent accounts, total arrears of 1,195,400.22; 981,693.51; 2,354(4.86% / 28-45 days) category; 82,621.07; 347(0.72% / 46-60 days); 29,365.45; 111(0.23% 61-90 days); and 101,720.19; 228(0.47% / Over 90 days).

**Bankruptcy:** During January 2020 the Bankruptcy reports one (1) customer account filed, totaling \$608.48.

**Damage Claim:** The Damage claim committee received one (1) Damage claim at \$988.00 for the month of January 2020.

## ACTIVE DELINQUENT – NON-PAYMENT

### Command Center / Disconnection / Reconnections

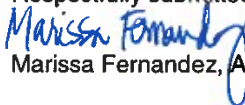
**Single Phase Meters:** Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 831 customers; 641(77%) were disconnected; 181(22%) deferred; 9(1%) incompletes.

**3 Phase Meters:** Credit and Collection issued orders to Disconnect Reconnect crew to perform truck roll out disconnect/reconnect for a total of 88 customers; 15(17%) were disconnected; 72(82%) deferred; 1(1%) incompletes.

| FY 2020 (Jan 01-31, 2020)                       |           |       |          |                        |                           |                    |                        |                          |
|---|-----------|-------|----------|------------------------|---------------------------|--------------------|------------------------|--------------------------|
|   | Scheduled | Disc  | Deferred | Complete Vs. Scheduled | Incomplete Disconnections | Disc Vs. Scheduled | Deferred Vs. Scheduled | Incomplete Vs. Scheduled |
| Jan-20  | 919       | 656   | 253      | 909<br>99%             | 10                        | 71%                | 28%                    | 1%                       |
| 1st   | 1,969     | 1,358 | 582      | 1,940<br>99%           | 29                        | 69%                | 30%                    | 1%                       |
| TOTAL:  | 2,888     | 2,014 | 835      | 2,849<br>99%           | 39                        | 70%                | 29%                    | 1%                       |
| FY 2019 (October 01, 2018 – September 30, 2019) |           |       |          |                        |                           |                    |                        |                          |
| QTR   | Scheduled | Disc  | Deferred | Complete Vs. Scheduled | Incomplete Disconnections | Disc Vs. Scheduled | Deferred Vs. Scheduled | Incomplete Vs. Scheduled |
| 4 <sup>th</sup>                                 | 3,456     | 2,400 | 1,038    | 3,438<br>99%           | 18                        | 69%                | 30%                    | 1%                       |
| 3 <sup>rd</sup>                                 | 2,160     | 1,487 | 626      | 2,113<br>98%           | 44                        | 69%                | 29%                    | 2%                       |
| 2 <sup>nd</sup>                                 | 2,869     | 2,089 | 711      | 2,800<br>98%           | 69                        | 73%                | 25%                    | 2%                       |
| 1 <sup>st</sup>                                 | 8,855     | 2,720 | 6,013    | 8,733<br>99%           | 122                       | 31%                | 68%                    | 1%                       |
| TOTAL:  | 17,340    | 8,696 | 8,388    | 17,084<br>99%          | 253                       | 50%                | 48%                    | 2%                       |

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

Respectfully submitted,

  
Marissa Fernandez, Admin. Officer

Reviewed / Approved by:

  
Richard J. Bersamin, ACSM

Run Date: 2/6/2020 - *Thurs*  
 Run Time: 12:01:38AM

**Guam Power Authority**  
**Delinquent Active Accounts Summary Report**  
 As of - 02/06/2020

Report ID: DELRATIO  
 Page 78 of 78

| <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 C</u>    |
|--------------------------------------|-------------------|-----------------|------------------|------------------|------------------|----------------|------------------------|---------------------|---------------------|-------------------|--------------------|----------------------|-------------------|
| Residential(ERES-R)                  | 42,655            | 2,377           | 2,147            | 284              | 87               | 180            | 5,365,611.03           | 455,256.32          | 53,524.99           | 25,564.70         | 60,614.42          | 594,960.43           | 5,960,571         |
|                                      |                   | 5.57%           | 5.03%            | 0.67%            | 0.20%            | 0.42%          |                        |                     |                     |                   |                    |                      |                   |
| Small Gen Non Demand(EGEN-G)         | 4,074             | 162             | 134              | 38               | 14               | 30             | 848,728.06             | 58,089.84           | 14,609.06           | 2,874.15          | 17,356.41          | 92,929.46            | 941,657           |
|                                      |                   | 3.98%           | 3.29%            | 0.93%            | 0.34%            | 0.74%          |                        |                     |                     |                   |                    |                      |                   |
| Small Gen Demand(EGEND-J)            | 1,096             | 59              | 48               | 12               | 1                | 7              | 2,656,802.41           | 110,277.56          | 11,828.37           | 581.10            | 18,058.35          | 140,745.38           | 2,797,547         |
|                                      |                   | 5.38%           | 4.38%            | 1.09%            | 0.09%            | 0.64%          |                        |                     |                     |                   |                    |                      |                   |
| Large General(ELPS-P)                | 120               | 9               | 9                | 1                | 0                | 1              | 5,538,774.30           | 357,506.74          | 2,212.39            | 0.00              | 938.22             | 360,657.35           | 5,899,431         |
|                                      |                   | 7.50%           | 7.50%            | 0.83%            | 0.00%            | 0.83%          |                        |                     |                     |                   |                    |                      |                   |
| Private Streetlight(EPOL-H)          | 512               | 18              | 16               | 12               | 9                | 10             | 18,079.62              | 563.05              | 446.26              | 345.50            | 4,752.79           | 6,107.60             | 24,187            |
|                                      |                   | 3.52%           | 3.13%            | 2.34%            | 1.76%            | 1.95%          |                        |                     |                     |                   |                    |                      |                   |
| <b><u>Sub-Total (Private)</u></b>    | <b>48,457</b>     | <b>2,625</b>    | <b>2,354</b>     | <b>347</b>       | <b>111</b>       | <b>228</b>     | <b>14,427,995.42</b>   | <b>981,693.51</b>   | <b>82,621.07</b>    | <b>29,365.45</b>  | <b>101,720.19</b>  | <b>1,195,400.22</b>  | <b>15,623,395</b> |
|                                      |                   | <b>5.42%</b>    | <b>4.86%</b>     | <b>0.72%</b>     | <b>0.23%</b>     | <b>0.47%</b>   |                        |                     |                     |                   |                    |                      |                   |
| Small Gov Non Demand(ESGS-S)         | 667               | 270             | 187              | 139              | 107              | 72             | 594,904.65             | 149,257.69          | 90,860.95           | 29,477.72         | 40,277.52          | 309,873.88           | 904,778           |
|                                      |                   | 40.48%          | 28.04%           | 20.84%           | 16.04%           | 10.79%         |                        |                     |                     |                   |                    |                      |                   |
| Small Gov Demand(ESGSD-K)            | 359               | 124             | 122              | 87               | 4                | 10             | 3,411,130.80           | 682,476.05          | 466,812.50          | 22,537.59         | 32,322.86          | 1,204,149.00         | 4,615,279         |
|                                      |                   | 34.54%          | 33.98%           | 24.23%           | 1.11%            | 2.79%          |                        |                     |                     |                   |                    |                      |                   |
| Large Government(ELGS-L)             | 44                | 26              | 25               | 21               | 0                | 4              | 2,621,943.69           | 635,107.38          | 498,444.39          | 0.00              | 19,411.22          | 1,152,962.99         | 3,774,906         |
|                                      |                   | 59.09%          | 56.82%           | 47.73%           | 0.00%            | 9.09%          |                        |                     |                     |                   |                    |                      |                   |
| Gov Streetlight(ESTL-F)              | 617               | 537             | 523              | 435              | 427              | 436            | 2,336,430.68           | 393,847.28          | 447,017.86          | 492,929.47        | 543,069.16         | 1,876,863.77         | 4,213,294         |
|                                      |                   | 87%             | 84.76%           | 70.50%           | 69.21%           | 70.66%         |                        |                     |                     |                   |                    |                      |                   |
| <b><u>Sub-Total (Government)</u></b> | <b>1,687</b>      | <b>957</b>      | <b>857</b>       | <b>682</b>       | <b>538</b>       | <b>522</b>     | <b>8,964,409.82</b>    | <b>1,860,688.40</b> | <b>1,503,135.70</b> | <b>544,944.78</b> | <b>635,080.76</b>  | <b>4,543,849.64</b>  | <b>13,508,259</b> |
|                                      |                   | <b>56.73%</b>   | <b>50.80%</b>    | <b>40.43%</b>    | <b>31.89%</b>    | <b>30.94%</b>  |                        |                     |                     |                   |                    |                      |                   |
| <b><u>GRAND TOTAL</u></b>            | <b>50,144</b>     | <b>3,582</b>    | <b>3,211</b>     | <b>1,029</b>     | <b>649</b>       | <b>750</b>     | <b>23,392,405.24</b>   | <b>2,842,381.91</b> | <b>1,585,756.77</b> | <b>574,310.23</b> | <b>736,800.95</b>  | <b>5,739,249.86</b>  | <b>29,131,655</b> |
|                                      |                   | <b>7.14%</b>    | <b>6.40%</b>     | <b>2.05%</b>     | <b>1.29%</b>     | <b>1.50%</b>   |                        |                     |                     |                   |                    |                      |                   |

**Guam Power Authority**  
**Customer Service Division**  
**Employee Month-To-Date (MTD) Consolidated Report**  
**as of January 31, 2020**

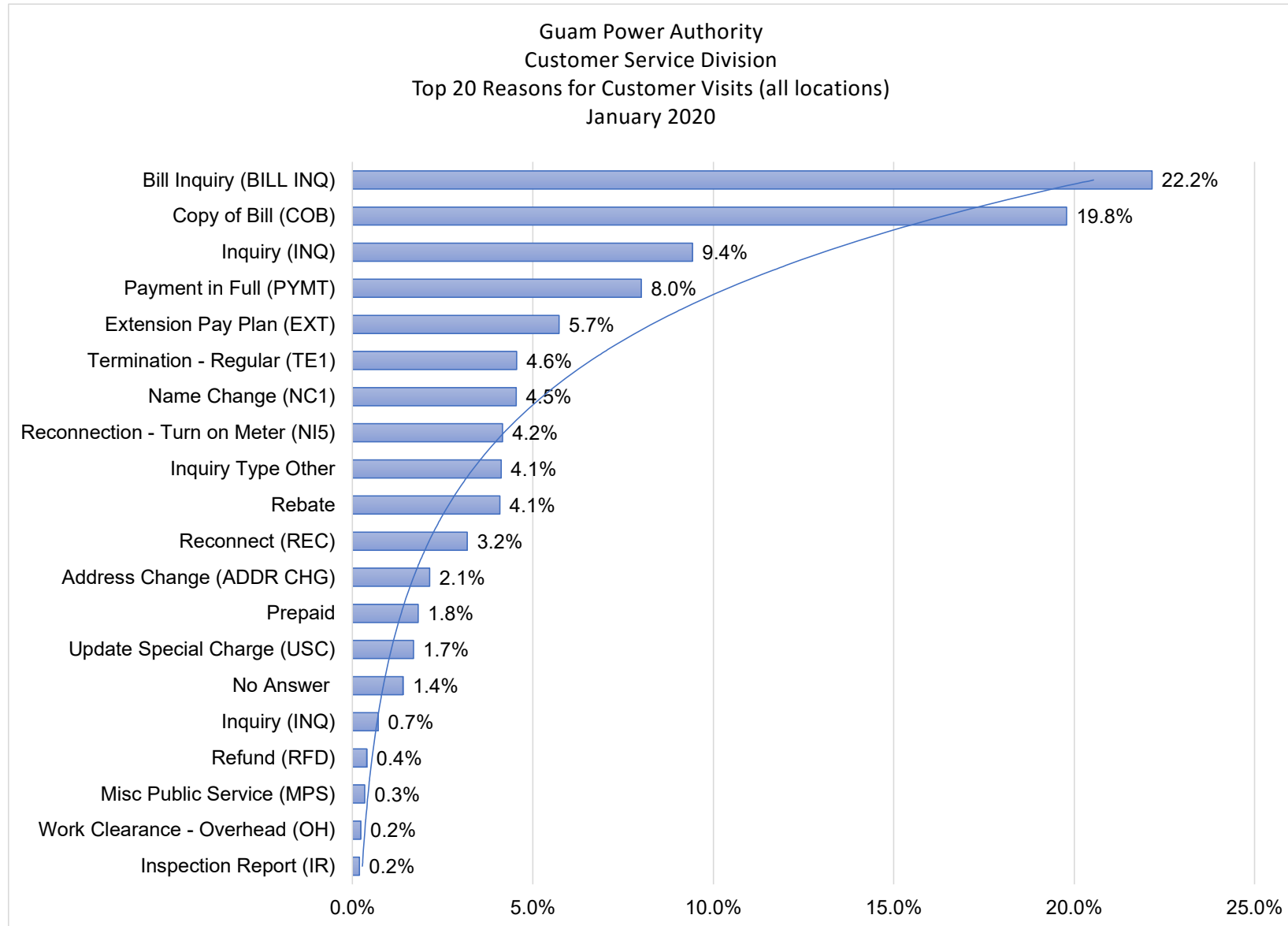
2/12/2020

Compiled by: Rita T. Cruz/Brandon TaitagueReviewed by: EDMendiola

| Reason(s) for visit                  | Transaction type  | Fadian | % MTD | Hagatna | % MTD | Tumon | % MTD | TOTAL |
|--------------------------------------|-------------------|--------|-------|---------|-------|-------|-------|-------|
| New Install - Permanent (NI1)        | Application       | 7      | 0.5%  | 0       | 0.0%  | 2     | 0.1%  | 9     |
| New Install - Temporary (NI2)        | Application       | 8      | 0.6%  | 1       | 0.0%  | 2     | 0.1%  | 11    |
| New Install - Street Light (NI3)     | Application       | 0      | 0.0%  | 1       | 0.0%  | 0     | 0.0%  | 1     |
| Reconnection - Install Meter (NI4)   | Application       | 8      | 0.6%  | 0       | 0.0%  | 2     | 0.1%  | 10    |
| Reconnection - Turn on Meter (NI5)   | Application       | 68     | 5.1%  | 91      | 3.2%  | 168   | 4.5%  | 327   |
| Name Change (NC1)                    | Application       | 97     | 7.3%  | 109     | 3.8%  | 151   | 4.1%  | 357   |
| Name Change - Street Light (NC2)     | Application       | 0      | 0.0%  | 0       | 0.0%  | 1     | 0.0%  | 1     |
| Termination - Regular (TE1)          | Termination       | 80     | 6.1%  | 98      | 3.5%  | 180   | 4.9%  | 358   |
| Termination - Name Change (TE2)      | Termination       | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Termination - Non Payment (TE3)      | Termination       | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Termination - Typhoon (TE4)          | Termination       | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Termination - Removal (TE5)          | Termination       | 1      | 0.1%  | 1       | 0.0%  | 2     | 0.1%  | 4     |
| Termination (TE6)                    | Termination       | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Work Clearance - Emergency (WCE)     | Other             | 1      | 0.1%  | 2       | 0.1%  | 6     | 0.2%  | 9     |
| Work Clearance - Underground (UG)    | Other             | 5      | 0.4%  | 0       | 0.0%  | 1     | 0.0%  | 6     |
| Work Clearance - Overhead (OH)       | Other             | 11     | 0.8%  | 1       | 0.0%  | 6     | 0.2%  | 18    |
| Meter Investigation (INV)            | Other             | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Meter Change Out / Calibration (MC1) | Other             | 0      | 0.0%  | 1       | 0.0%  | 0     | 0.0%  | 1     |
| Meter Upgrade /Downgrade ( MC3)      | Other             | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Misc Public Service (MPS)            | Other             | 11     | 0.8%  | 8       | 0.3%  | 8     | 0.2%  | 27    |
| Refund (RFD)                         | Other             | 2      | 0.2%  | 9       | 0.3%  | 20    | 0.5%  | 31    |
| Relocation of Meter (RM1)            | Other             | 0      | 0.0%  | 0       | 0.0%  | 1     | 0.0%  | 1     |
| Street Light Repair (ST1)            | Other             | 6      | 0.5%  | 0       | 0.0%  | 0     | 0.0%  | 6     |
| Update Special Charge (USC)          | Other             | 0      | 0.0%  | 63      | 2.2%  | 70    | 1.9%  | 133   |
| Inspection Report (IR)               | Other             | 4      | 0.3%  | 3       | 0.1%  | 8     | 0.2%  | 15    |
| Copy of Bill (COB)                   | Other             | 208    | 15.7% | 652     | 23.0% | 696   | 18.8% | 1,556 |
| Bill Inquiry (BILL INQ)              | Other             | 152    | 11.5% | 707     | 24.9% | 883   | 23.9% | 1,742 |
| Bill Adjustment (BILL ADJ)           | Other             | 0      | 0.0%  | 3       | 0.1%  | 6     | 0.2%  | 9     |
| Address Change (ADDR CHG)            | Other             | 17     | 1.3%  | 57      | 2.0%  | 94    | 2.5%  | 168   |
| Deferred Payment Agreement (DPA)     | Other             | 0      | 0.0%  | 0       | 0.0%  | 0     | 0.0%  | 0     |
| Prepaid                              | Other             | 55     | 4.2%  | 19      | 0.7%  | 69    | 1.9%  | 143   |
| Rebate                               | Other             | 76     | 5.7%  | 127     | 4.5%  | 118   | 3.2%  | 321   |
| ACH/EFT                              | Other             | 0      | 0.0%  | 7       | 0.2%  | 8     | 0.2%  | 15    |
| No Answer                            | Other             | 10     | 0.8%  | 55      | 1.9%  | 45    | 1.2%  | 110   |
| Inquiry Type Other                   | Other             | 129    | 9.8%  | 10      | 0.4%  | 185   | 5.0%  | 324   |
| Inquiry (INQ)                        | Active Delinquent | 164    | 12.4% | 345     | 12.2% | 232   | 6.3%  | 741   |
| Payment in Full (PYMT)               | Active Delinquent | 75     | 5.7%  | 167     | 5.9%  | 387   | 10.5% | 629   |
| Do Not Disconnect (DND)              | Active Delinquent | 0      | 0.0%  | 2       | 0.1%  | 0     | 0.0%  | 2     |
| Extension Pay Plan (EXT)             | Active Delinquent | 89     | 6.7%  | 187     | 6.6%  | 174   | 4.7%  | 450   |
| Reconnect (REC)                      | Active Delinquent | 36     | 2.7%  | 70      | 2.5%  | 144   | 3.9%  | 250   |
| Inquiry (INQ)                        | Inactive          | 2      | 0.2%  | 37      | 1.3%  | 17    | 0.5%  | 56    |
| Payment in Full (PYMT)               | Inactive          | 0      | 0.0%  | 5       | 0.2%  | 8     | 0.2%  | 13    |
| Transfer Balance (TRF BAL)           | Inactive          | 0      | 0.0%  | 1       | 0.0%  | 7     | 0.2%  | 8     |
| Total transactions by location       |                   | 1,322  |       | 2,839   |       | 3,701 |       | 7,862 |
| Grand total for all locations        |                   |        |       |         |       |       |       |       |

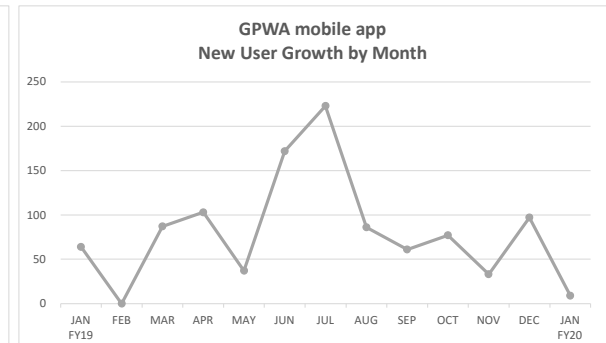
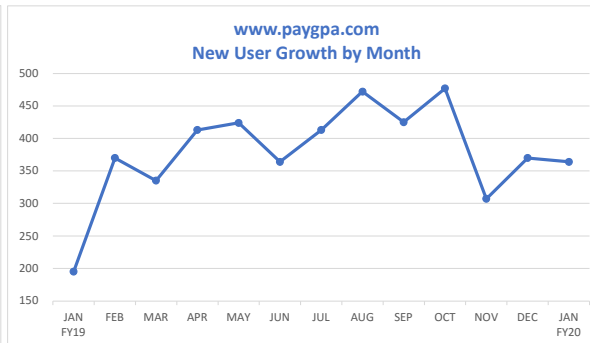
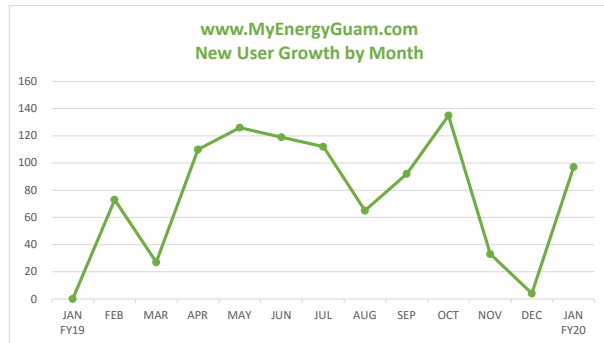
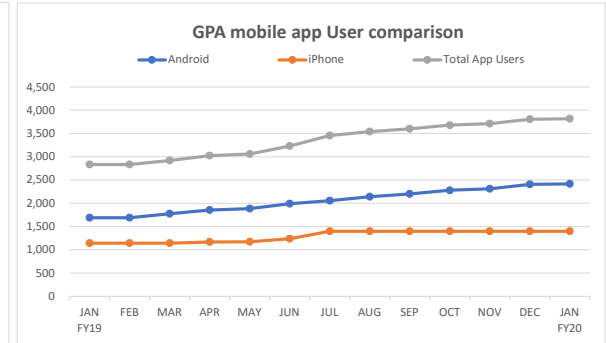
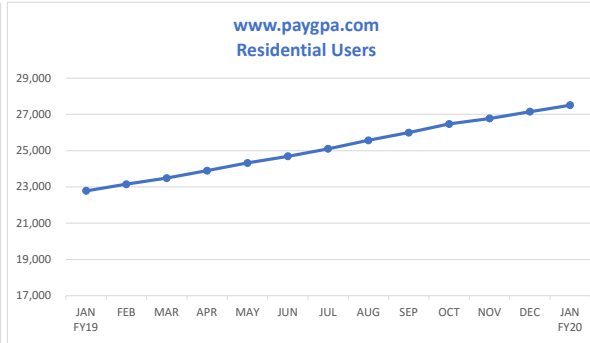
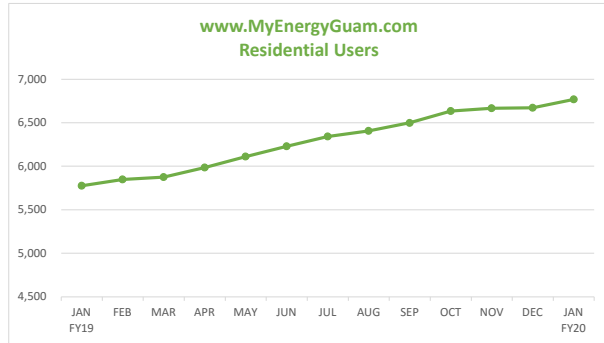
| Duration of <u>wait time</u> for "Visit (V)" type customer contact | Fadian | %   | Hagatna | %   | Tumon | %   |
|--|--------|-----|---------|-----|-------|-----|
| Less than 10 minutes   | 1,917  | 73% | 1,360   | 77% | 1,641 | 78% |
| 10-15 minutes  | 238    | 9%  | 238     | 13% | 269   | 13% |
| 16-30 minutes  | 329    | 13% | 134     | 8%  | 162   | 8%  |
| More than 30 minutes   | 138    | 5%  | 33      | 2%  | 29    | 1%  |
| Total "Visit (V)" customers contacts                               | 2,622  |     | 1,765   |     | 2,101 |     |





## Guam Power Authority

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

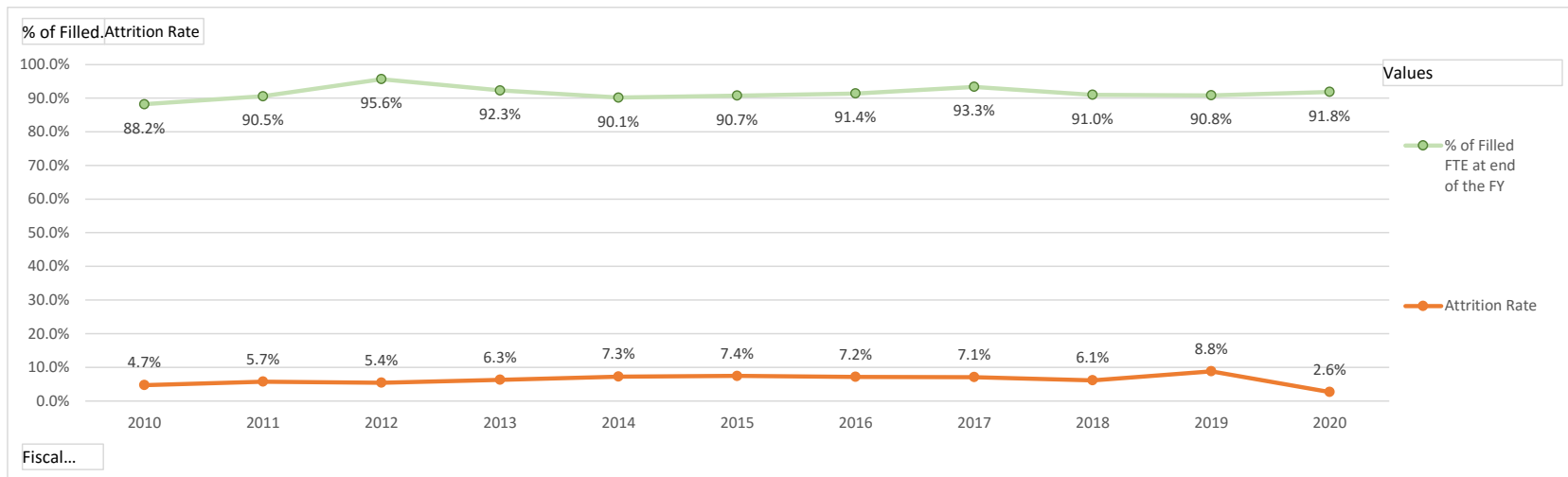


## Guam Power Authority

Human Resources Division

FY 2020 Recruitment Analysis

as of January 31, 2020



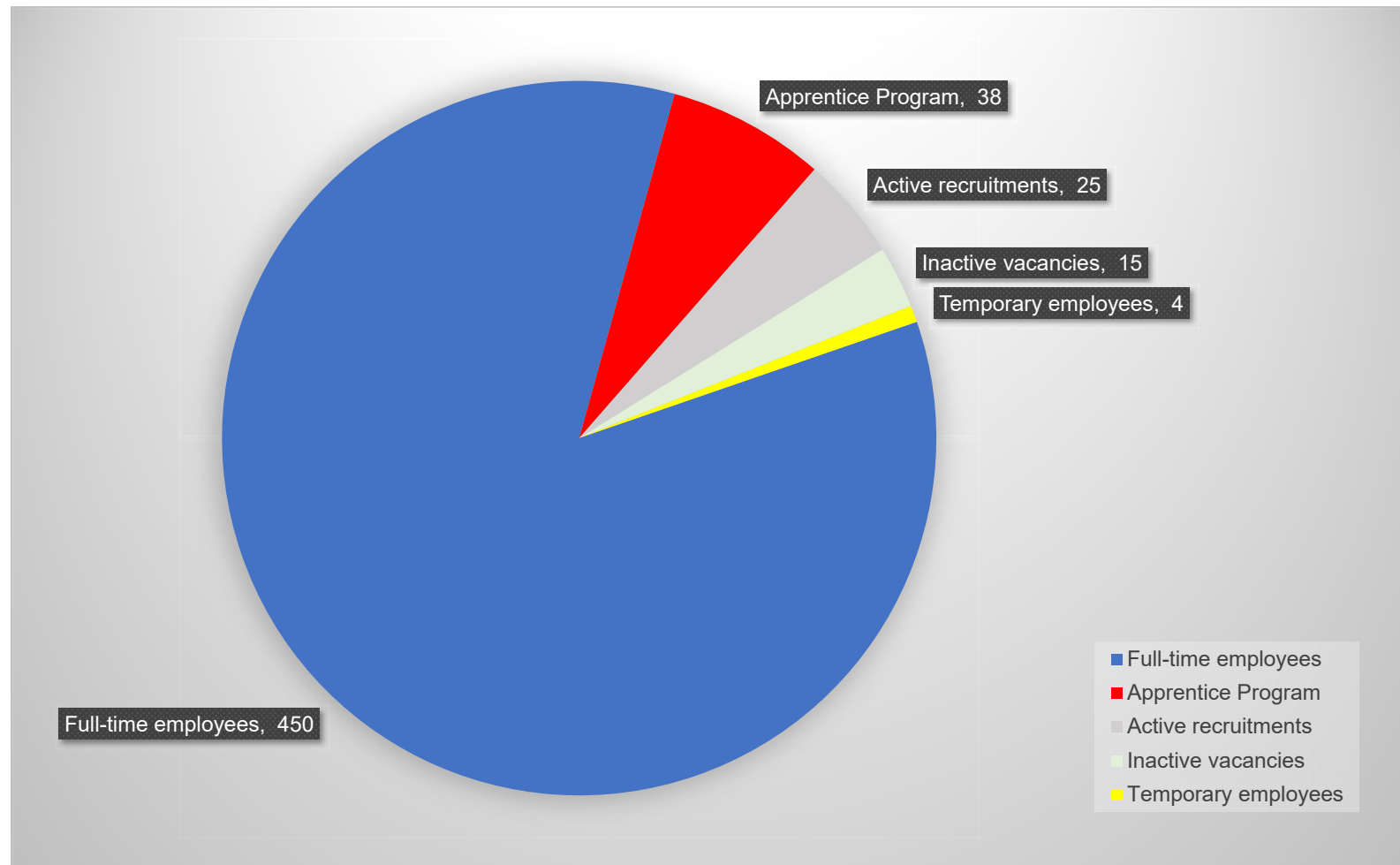
| Fiscal Year | New Hire | Promotion | Reclass-ification | Termination | Death | Resignation | Retirement | Attrition Rate | Total Authorized FTE | Total Filled FTE at end of the FY | % of Filled FTE at end of the FY |
|-------------|----------|-----------|-------------------|-------------|-------|-------------|------------|----------------|----------------------|-----------------------------------|----------------------------------|
| 2010        | 13       | 20        | 10                | 0           | 1     | 12          | 12         | 4.7%           | 592                  | 522                               | 88.2%                            |
| 2011        | 44       | 23        | 6                 | 4           | 0     | 14          | 12         | 5.7%           | 592                  | 536                               | 90.5%                            |
| 2012        | 36       | 24        | 6                 | 1           | 2     | 19          | 7          | 5.4%           | 568                  | 543                               | 95.6%                            |
| 2013        | 15       | 26        | 9                 | 1           | 3     | 14          | 16         | 6.3%           | 568                  | 524                               | 92.3%                            |
| 2014        | 26       | 27        | 8                 | 1           | 0     | 13          | 24         | 7.3%           | 568                  | 512                               | 90.1%                            |
| 2015        | 15       | 25        | 12                | 2           | 1     | 19          | 16         | 7.4%           | 539                  | 489                               | 90.7%                            |
| 2016        | 12       | 20        | 17                | 3           | 1     | 15          | 16         | 7.2%           | 510                  | 466                               | 91.4%                            |
| 2017        | 42       | 15        | 21                | 0           | 1     | 13          | 19         | 7.1%           | 510                  | 476                               | 93.3%                            |
| 2018        | 17       | 16        | 13                | 0           | 3     | 15          | 11         | 6.1%           | 510                  | 464                               | 91.0%                            |
| 2019        | 31       | 20        | 3                 | 3           | 3     | 18          | 17         | 8.8%           | 500                  | 454                               | 90.8%                            |
| 2020        | 8        | 5         | 4                 | 1           | 0     | 4           | 7          | 2.6%           | 490                  | 450                               | 91.8%                            |

## Guam Power Authority

Human Resources Division

FY 2020 Staffing Report

as of January 31, 2020



# Guam Power Authority

## Human Resources Division

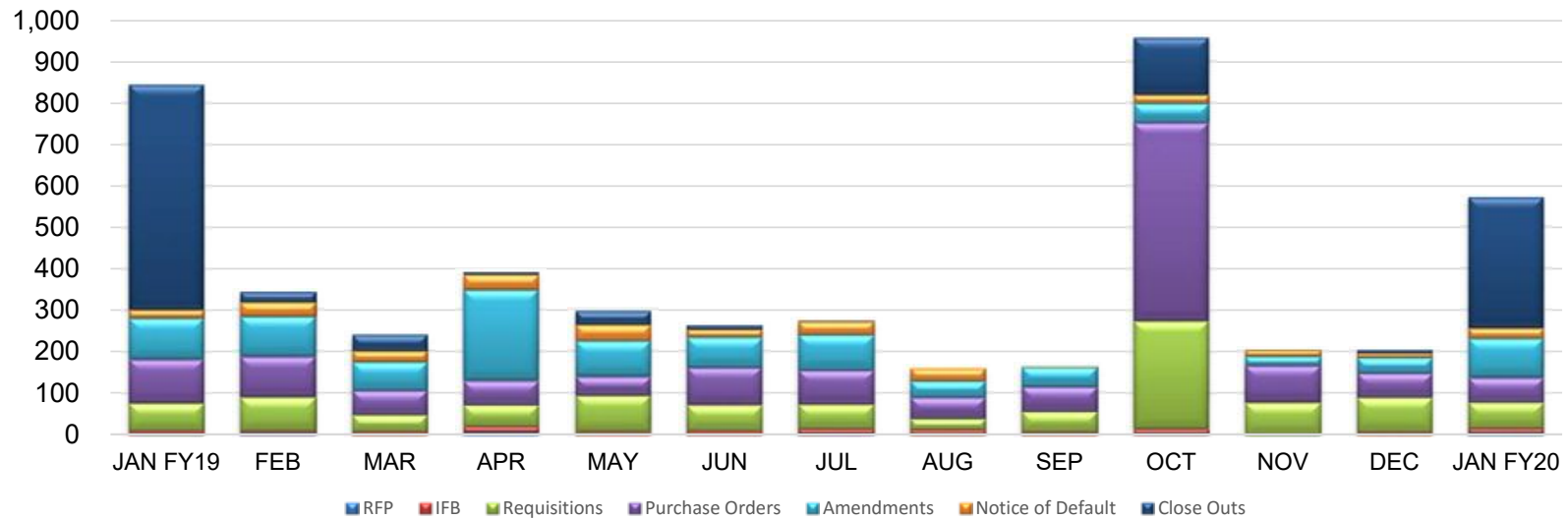
### FY 2020 Staffing Report

as of January 31, 2020

| Department / Division / Program                     | Prior Month<br>Employee<br>Count | Current Month<br>Employee<br>Count | No. of<br>Vacancies<br>Prior Month | No. of<br>Vacancies<br>Current Month | Total<br>Staffing |
|---|----------------------------------|------------------------------------|------------------------------------|--------------------------------------|-------------------|
| Assistant GM - Administration                       | 2                                | 2                                  | -                                  | -                                    | 2                 |
| Assistant GM - Engineering & Technical Services     | 1                                | 1                                  | -                                  | -                                    | 1                 |
| Assistant GM - Operations                           | 2                                | 2                                  | -                                  | -                                    | 2                 |
| Consolidated Commission on Utilities Board          | 2                                | 2                                  | -                                  | -                                    | 2                 |
| Customer Service                                    | 32                               | 31                                 | 2                                  | 3                                    | 34                |
| Engineering   | 38                               | 38                                 | 1                                  | 1                                    | 39                |
| Facilities  | 8                                | 8                                  | 1                                  | 1                                    | 9                 |
| Finance   | 42                               | 42                                 | 2                                  | 2                                    | 44                |
| General Manager (GM)                                | 4                                | 4                                  | -                                  | -                                    | 4                 |
| Generation  | 117                              | 114                                | 5                                  | 8                                    | 122               |
| Human Resources                                     | 9                                | 9                                  | 1                                  | 1                                    | 10                |
| Information Technology                              | 16                               | 16                                 | -                                  | -                                    | 16                |
| Internal Audit / Revenue Protection                 | 3                                | 3                                  | -                                  | -                                    | 3                 |
| Planning and Regulatory                             | 8                                | 8                                  | -                                  | -                                    | 8                 |
| Power System Control Center                         | 22                               | 22                                 | 5                                  | 5                                    | 27                |
| Procurement   | 20                               | 20                                 | 2                                  | 2                                    | 22                |
| Public Information Office                           | 2                                | 2                                  | -                                  | -                                    | 2                 |
| Safety  | 6                                | 6                                  | 1                                  | 1                                    | 7                 |
| Strategic Planning and Operations Research Division | 10                               | 10                                 | 1                                  | 1                                    | 11                |
| Transmission and Distribution                       | 100                              | 99                                 | 14                                 | 15                                   | 114               |
| Transportation                                      | 11                               | 11                                 | -                                  | -                                    | 11                |
| <b>Total full-time permanent employees</b>          | <b>455</b>                       | <b>450</b>                         | <b>35</b>                          | <b>40</b>                            | <b>490</b>        |
| Apprenticeship Program                              | 38                               | 38                                 | -                                  | -                                    | 38                |
| JOBS Program / GETP / SCSEP*                        | -                                | -                                  | -                                  | -                                    | -                 |
| Summer Engineering Internship Program               | -                                | -                                  | -                                  | -                                    | -                 |
| Temporary hires (Public Law 34-116)                 | 2                                | 3                                  | -                                  | -                                    | 3                 |
| Work Experience Program                             | 2                                | 1                                  | -                                  | -                                    | 1                 |
| <b>Total contractual / temporary employees</b>      | <b>42</b>                        | <b>42</b>                          | <b>-</b>                           | <b>-</b>                             | <b>42</b>         |
| <b>Work Force Grand Total</b>                       | <b>497</b>                       | <b>492</b>                         | <b>35</b>                          | <b>40</b>                            | <b>532</b>        |

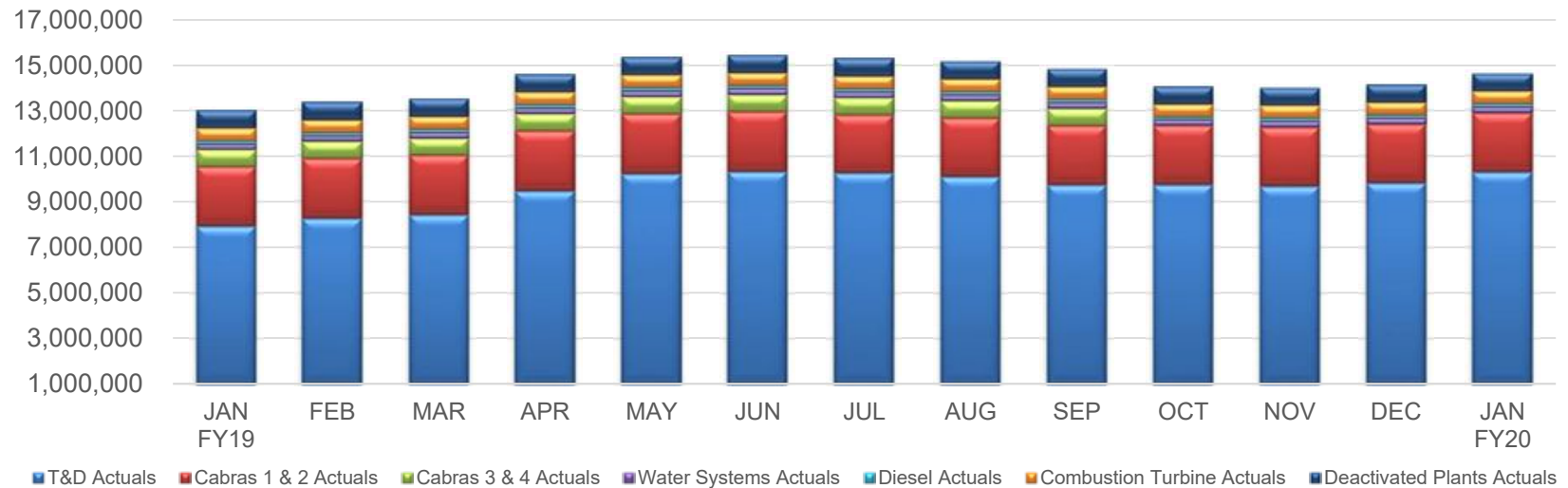
\*Job Opportunities & Basic Skills (JOBS) Program, Guam Employment & Training Program (GETP), Senior Community Service Employment Program (SCSEP)

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

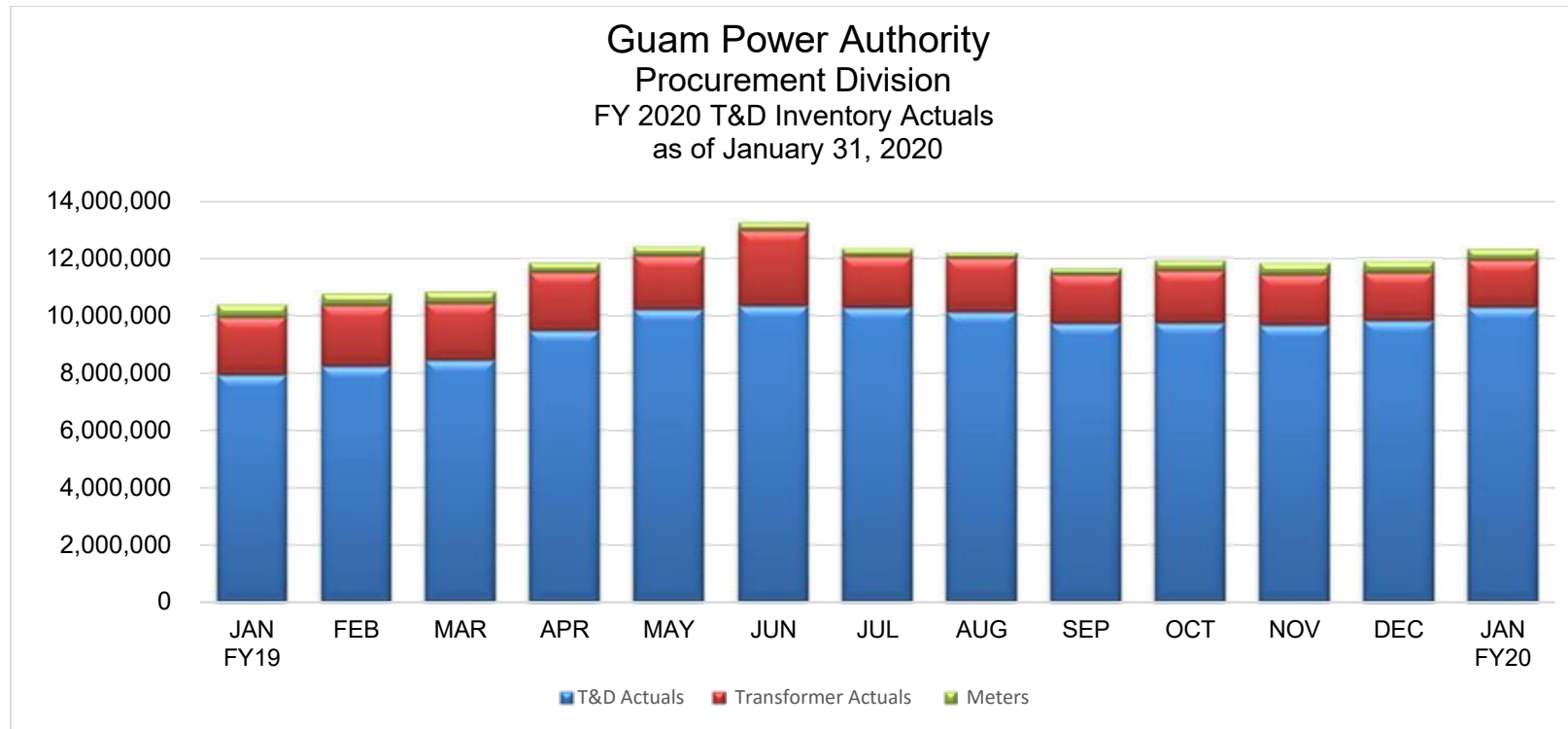


| Month    | RFP | IFB | Requisitions | Purchase Order | Amendment | Notice of Default | Close Outs |
|----------|-----|-----|--------------|----------------|-----------|-------------------|------------|
| JAN FY19 | 1   | 8   | 67           | 106            | 99        | 20                | 543        |
| FEB      | 3   | 6   | 81           | 97             | 96        | 34                | 25         |
| MAR      | 0   | 7   | 40           | 59             | 68        | 26                | 39         |
| APR      | 6   | 14  | 52           | 58             | 217       | 37                | 6          |
| MAY      | 0   | 6   | 88           | 45             | 85        | 39                | 33         |
| JUN      | 0   | 9   | 62           | 90             | 72        | 19                | 10         |
| JUL      | 2   | 12  | 59           | 82             | 85        | 32                | 2          |
| AUG      | 0   | 12  | 26           | 51             | 39        | 30                | 0          |
| SEP      | 0   | 6   | 49           | 59             | 46        | 2                 | 0          |
| OCT      | 1   | 12  | 261          | 478            | 46        | 21                | 138        |
| NOV      | 0   | 0   | 77           | 89             | 22        | 15                | 1          |
| DEC      | 0   | 6   | 83           | 59             | 37        | 11                | 7          |
| JAN FY20 | 3   | 12  | 63           | 59             | 94        | 25                | 314        |

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



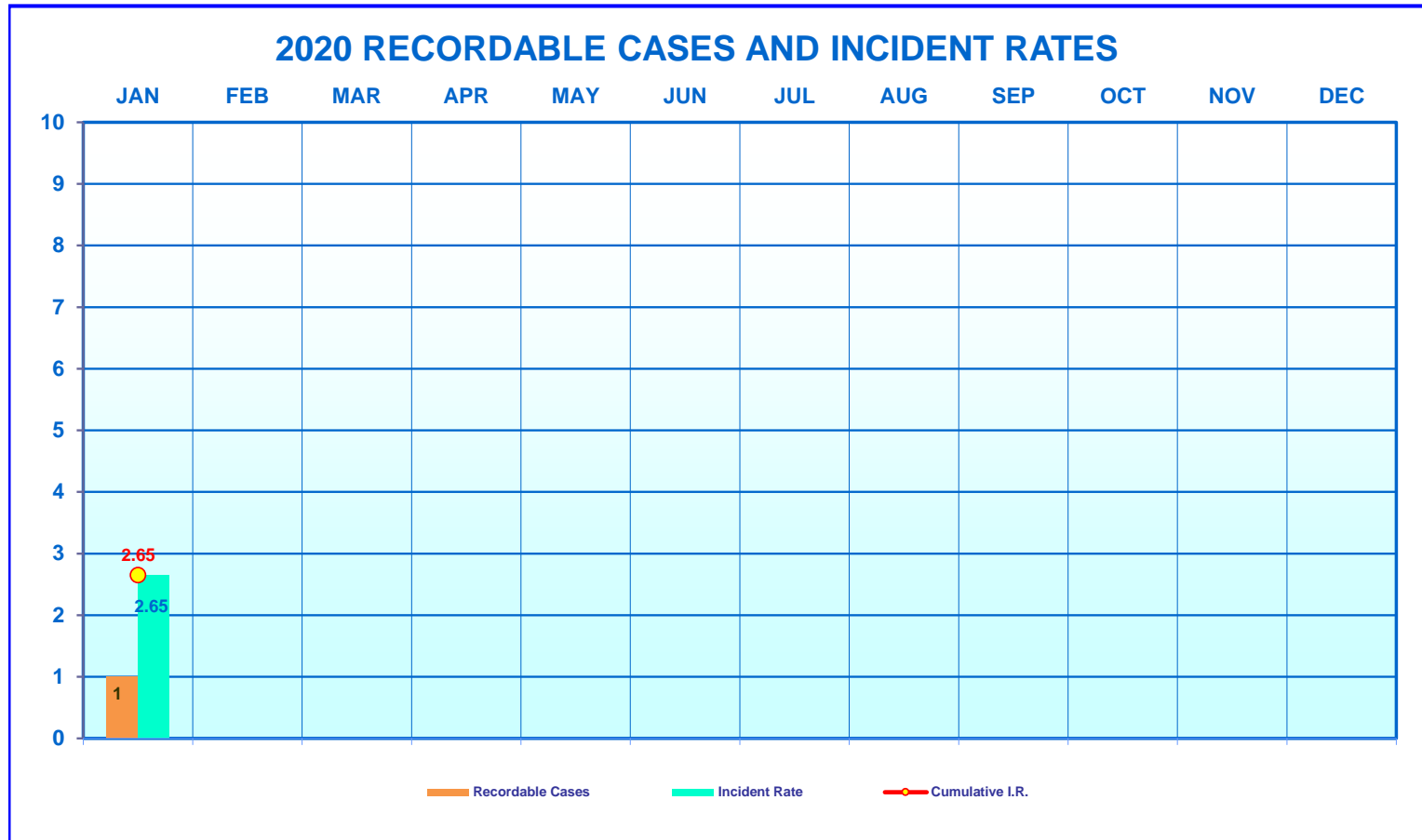
| Month    | T&D Actuals | Cabras 1 & 2 Actuals | Cabras 3 & 4 Actuals | Water Systems Actuals | Diesel Actuals | Combustion Turbine Actuals | Deactivated Plants Actuals |
|----------|-------------|----------------------|----------------------|-----------------------|----------------|----------------------------|----------------------------|
| JAN FY19 | 7,923,172   | 2,614,746            | 747,186              | 223,659               | 144,680        | 575,635                    | 790,114                    |
| FEB      | 8,260,305   | 2,615,482            | 747,186              | 224,309               | 144,680        | 575,635                    | 790,114                    |
| MAR      | 8,435,835   | 2,613,717            | 747,674              | 232,164               | 144,680        | 574,489                    | 788,968                    |
| APR      | 9,458,745   | 2,634,422            | 747,674              | 230,236               | 144,680        | 573,623                    | 788,101                    |
| MAY      | 10,217,712  | 2,640,723            | 747,587              | 238,396               | 144,683        | 573,623                    | 788,101                    |
| JUN      | 10,331,617  | 2,637,035            | 747,587              | 240,915               | 144,680        | 573,375                    | 788,101                    |
| JUL      | 10,272,739  | 2,547,074            | 747,587              | 240,126               | 144,680        | 573,330                    | 788,101                    |
| AUG      | 10,110,637  | 2,574,558            | 747,587              | 239,171               | 144,680        | 573,330                    | 788,101                    |
| SEP      | 9,726,986   | 2,599,288            | 757,587              | 240,153               | 144,680        | 573,330                    | 788,096                    |
| OCT      | 9,725,666   | 2,600,172            | 0                    | 241,993               | 131,155        | 573,454                    | 768,924                    |
| NOV      | 9,676,653   | 2,583,555            | 0                    | 241,595               | 144,680        | 573,454                    | 768,924                    |
| DEC      | 9,816,091   | 2,589,773            | 0                    | 239,124               | 144,680        | 573,454                    | 768,924                    |
| JAN FY20 | 10,287,509  | 2,590,587            | 0                    | 239,324               | 144,680        | 573,454                    | 768,924                    |



| FY 2020  | T&D Actuals | Transformer Actuals | Meters  |
|----------|-------------|---------------------|---------|
| JAN FY19 | 7,923,172   | 2,020,094           | 430,380 |
| FEB      | 8,230,305   | 2,138,182           | 405,900 |
| MAR      | 8,435,835   | 1,992,878           | 397,740 |
| APR      | 9,458,745   | 2,041,378           | 332,460 |
| MAY      | 10,217,712  | 1,879,987           | 325,660 |
| JUN      | 10,331,617  | 2,637,035           | 277,964 |
| JUL      | 10,272,739  | 1,802,361           | 268,948 |
| AUG      | 10,110,637  | 1,881,402           | 190,612 |
| SEP      | 9,726,986   | 1,715,305           | 214,728 |
| OCT      | 9,725,666   | 1,835,760           | 358,344 |
| NOV      | 9,673,653   | 1,773,932           | 409,344 |
| DEC      | 9,816,091   | 1,687,896           | 401,032 |
| JAN FY20 | 10,287,509  | 1,661,509           | 384,712 |



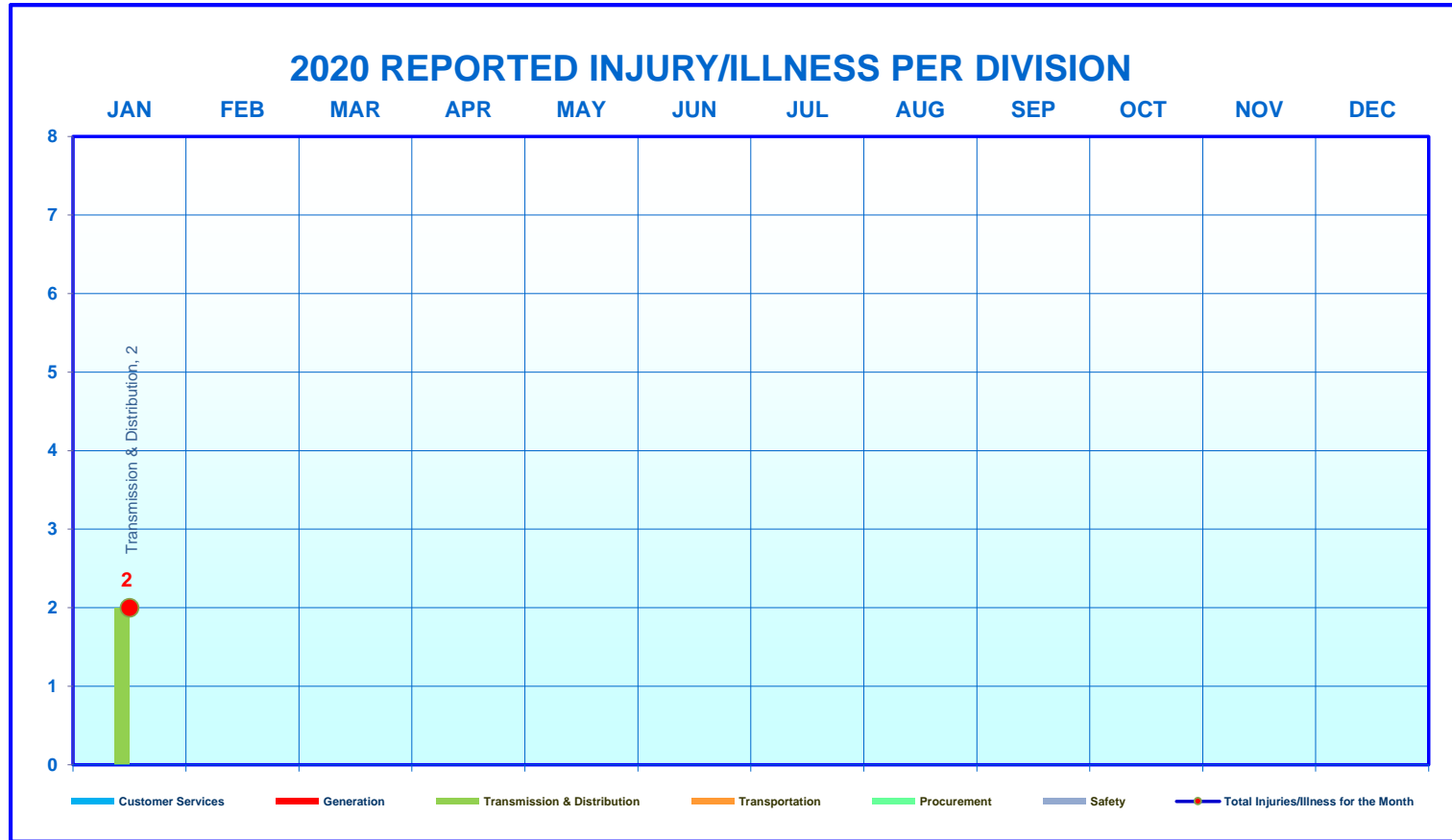
## SAFETY DIVISION MONTHLY REPORT



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

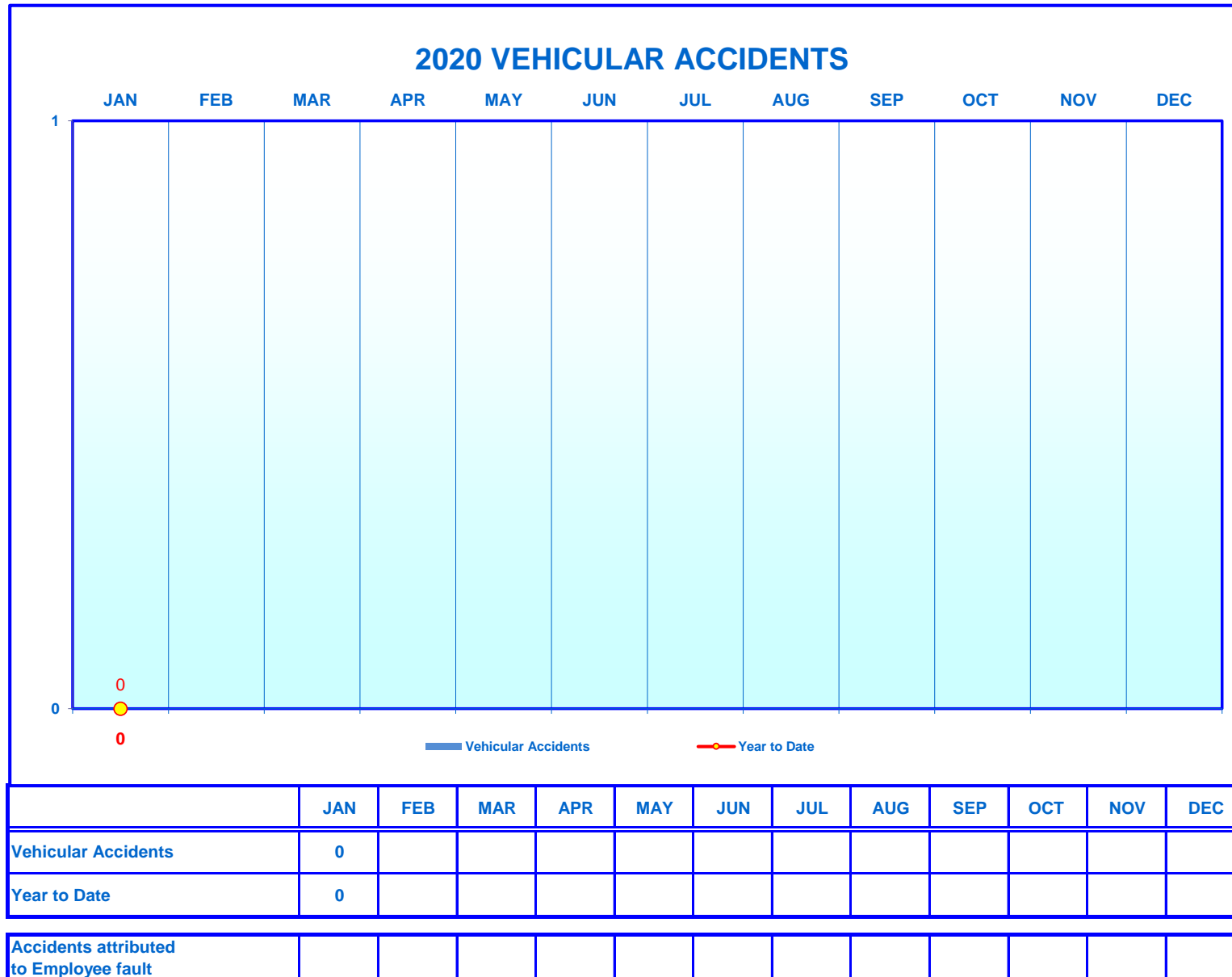
|                  | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Recordable Cases | 1    |     |     |     |     |     |     |     |     |     |     |     |
| Incident Rate    | 2.65 |     |     |     |     |     |     |     |     |     |     |     |
| Cumulative I.R.  | 2.65 |     |     |     |     |     |     |     |     |     |     |     |

## SAFETY DIVISION MONTHLY REPORT



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

## SAFETY DIVISION MONTHLY REPORT





# GPA Communications/PIO KPI Status

20 February 2020

# Ratepayer Newsletter



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

1. February "Insights" newsletter content compiled and in circulation;
2. Standard features of contact information, recipe, and UPDATES included
3. Featured Lower Power Bills – tied to lower LEAC February through July 31, 2020; and GPA PrePay and Ways to Pay with GPA – for customer convenience

## Accomplishments

1. Completed February *Insights* Ratepayer Newsletter
2. March issue in planning stage; will meet deadline

## Risks and Issues

1. None to report;

## Resolution

## Financial

Budgeted for FY20

2/19/2020



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# New Ukudu Power Plant Outreach



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

1. Will be developing and coordinating messaging, content for outreach to include graphics across all fronts – working with John Lee of Stanley Consultants.
2. This will be a major initiative and focus for the project through to its commissioning event.

## Accomplishments

1. Briefed with Stanley Consultants, however, there is a need to create a project timeline with committed resources.

| Risks and Issues  | Resolution | Financial               |
|-------------------|------------|-------------------------|
| 1. None to report |            | *Not included in budget |
|                   |            |                         |
|                   |            |                         |

### Legend:



No corrective action required



Near-term corrective action required



Requires immediate attention

2/19/2020

3

# Live Streaming of CCU Meetings & Work Sessions



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

1. Training of in-house staff being coordinated and ongoing;
2. Completion of AV Control Room construction.
3. Inventory and installation of equipment completed;
4. Ongoing testing of systems in progress;

## Accomplishments

1. AV Control Room and equipment installation completed.
2. Cross-training and handover for both GPA and GWA IT professionals is work in progress.

## Risks and Issues

1. None to report at this time

## Resolution

## Financial

Funding with IT Division & GWA for audio & video equipment expected;

Amendment to PO to include training on equipment;

2/19/2020



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# Public Event Outreach Initiatives



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

- Under consideration is GPA sponsorship for the 11<sup>th</sup> University of Guam Regional Conference on Island Sustainability scheduled for March 31-April 3, 2020. Discussing co-sponsorship with Siemens and seeking to promote Electric Vehicle initiative and New Ukudu Power Plant.

## Accomplishments

Secured early-bird registration rate for approximately 28 GPA employees seeking to attend the conference

## Risks and Issues

- None to report at this time

## Resolution

## Financial

None to report

2/19/2020



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention



# Projects/Social Media



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

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

## Accomplishments

1. None other than outage notifications.

## Risks and Issues

1. None to report;

## Resolution

## Financial

Budgeted for FY19

2/19/2020



No corrective action required



Legend:  
Near-term corrective action required



Requires immediate attention

# Extraordinary 'News' – Media Releases



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

1. Wednesday, 05 February 2020 – a pad mount transformer located at the GPA-owned Piti 115kV Substation, which provides station power to the substation building within the Piti Substation compound caught fire.
2. Friday, 07 February 2020 – (prepared in advance) Released GPA and USEPA Have Agreed to Enter Into a Consent Decree Settlement Resulting in Minimal Penalties

## Accomplishments

1. Timely report to all local media and public; minimal additional or follow-up inquiries.
2. Having received email from Matthew Morrison at Pillsbury Law, completed media release with successful timing tied to the Consent Decree lodging in US District Court in Washington, D.C. Seasoned local reporters understood this long-standing issue for GPA; positive comments about successful \$400K penalty negotiation. Subsequently, a media briefing was conducted by GM and CCU Chairman on Monday, 10 February 2020.

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

### Legend:



No corrective action required



Near-term corrective action required



Requires immediate attention

2/19/2020

7

# Ancillary Activities



|                |   |                |   |          |   |       |   |           |   |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|
| Overall Status | G | Risks & Issues | G | Schedule | G | Scope | G | Financial | G |
|----------------|---|----------------|---|----------|---|-------|---|-----------|---|

## Status

1. Standard Media Releases for outage and news reporting is on-going;
2. GPA Web page redesign work online and updated as necessary
3. Monitoring of CS Business Centers
4. Tree Safety Messages/Graphics with GM for approval
5. Coordination with and distribution of educational outreach collaterals for various school career day events.

## Accomplishments

## Financial

None to report

## Risks and Issues

## Resolution

1. None to report at this time;

### Legend:



No corrective action required



Near-term corrective action required



Requires immediate attention

2/19/2020

## **PLANNING & REGULATORY DIVISION REPORT**

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

### **INSPECTIONS/MONITORING**

- Best Management Practices (BMP) Weekly Inspection/Report – Cabras Power Plant
- Monthly Spill Prevention, Control and Countermeasures (SPCC) Inspection/Report – Cabras Power Plant, Macheche, Dededo, Yigo CT, Talofoto, MDI, Tenjo Diesel, Piti 7 Power Plants, IP&E fuel Farm.
- Reviews monthly Continuous Emissions Monitoring System (CEMS) report and monitors TRC's O & M for Tenjo Diesel. Coordinates Operations and Maintenance with TRC.
- Emissions and Limits Tracking for GPA and Aggreko Power Plants
  - Monitoring CO and NOx emissions of the Aggreko generators not to exceed the allowable limit.
  - GPA Plants Limits based on Hours and/or Fuel Use
- TRC opacity re-testing at Tenjo and Talofoto Power plants
- Substation SPCC Plan coordination with Vince Pangelinan for final review and PE signature.

### **ENVIRONMENTAL RESPONSE**

- Bucket Truck Hydraulic Fluid Leak – responded to oil spill at MTM area.

### **UKUDU POWER PLANT**

- Had internal discussions on the progress of the new plant
- Attended status update meeting with AGMETS, SPORD, KEPCo, EWP, Hyundai, Stanley
- Attended Partnering Workshop with Gov Guam Permitting Authorities

### **PROCUREMENT**

#### **Coordination with procurement on the following bids:**

- OR# 33183 –Disposal of Transformer at Dededo Sub Warehouse
- OR#33750 – Emergency Response
- OR#33845 – Remove and Degrade Soil at Marbo Sub
- OR#33845 – Soil Remediation at Marbo Sub
- OR#33280 – Closing of UIC Wells at Tango
- OR#33816 – Transfer of Used Oil from Piti Power Plant

### **REPORTING**

- Submitted Monthly NSPS report to Guam EPA
- Fuel switching USEPA quarterly report
- Submitted Quarterly DMR Report (October – December) and Annual Report (January – December) to US EPA via NetDMR Web Application

#### **STATE IMPLEMENTATION PLAN (SIP)**

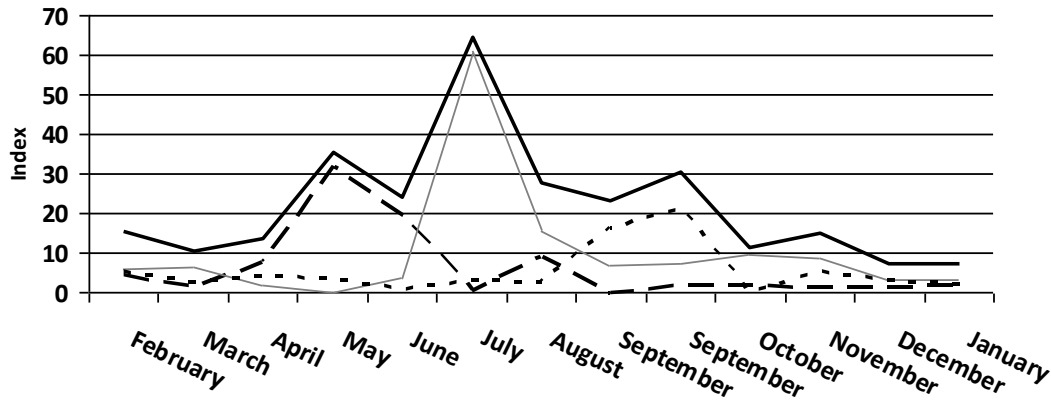
- Had conference calls and meetings with Guam EPA and TRC for finalizing SIP
- Worked with Guam EPA on revisions/editing

#### **OTHERS**

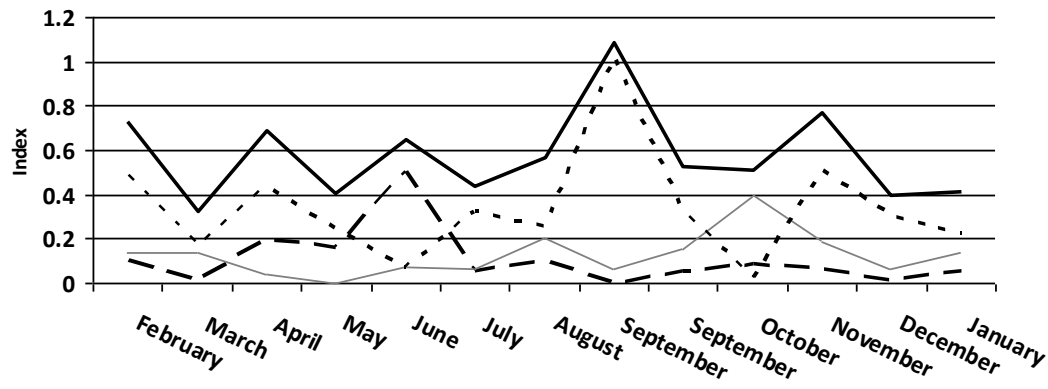
- US EPA DERA Grant – request assistance/coordinate with Guam EPA
- Acquired AST Permit for all GPA ASTs/WSDs and several GWA WWSD units
- Aggreko Ownership Transfer Preparation (January 9, 2021)
  - UPDATED Emission Calculations for Yigo CT and Aggreko to determine the number of Aggreko Units that can be kept on site once the ownership of Units are transferred to GPA
- Prepared emissions calculations for emergency generator Toto Gardens Lift Station
- Prepared report on the Summary FY2019 fuel consumption for DeLoitte
- Attended meeting on fuel line repairs for Tank 1935 with SPORD, Eng'g, and IP&E



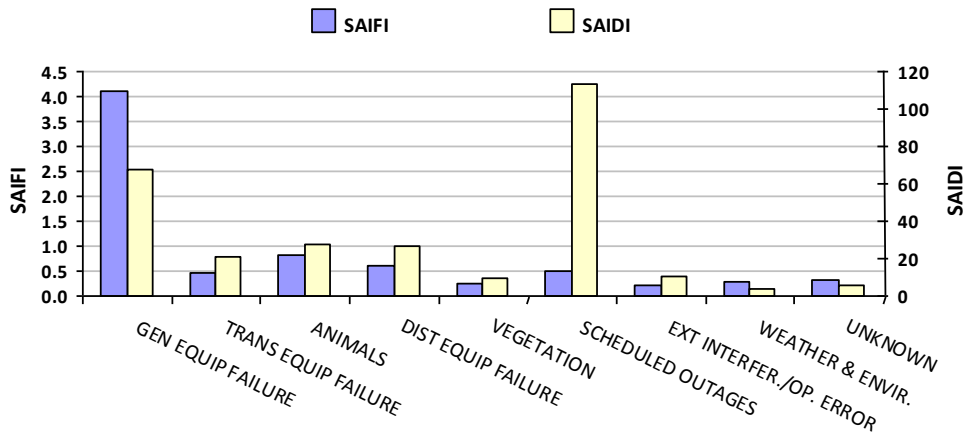
(Item 1.1,1.2,1.5) January 2020 SAIDI = 286.65 ↓ (289.97)



(Item 1.1,1.2,1.5) January 2020 SAIFI = 7.50 ↑ (7.45)

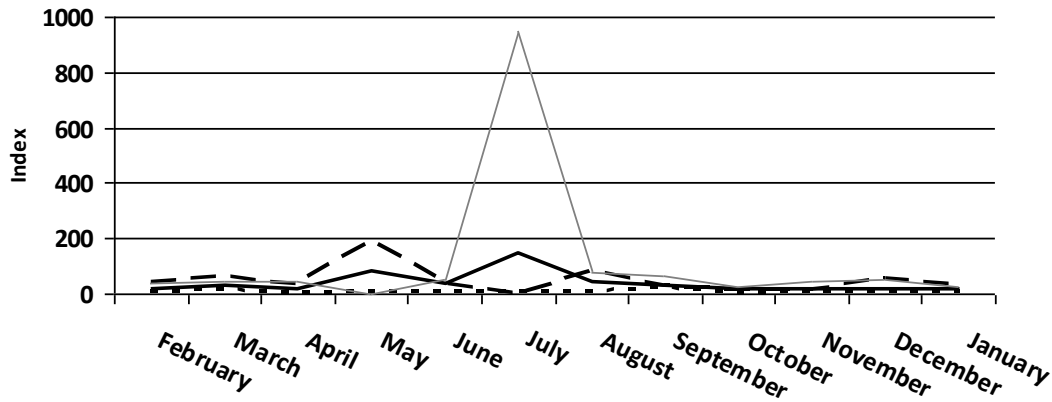
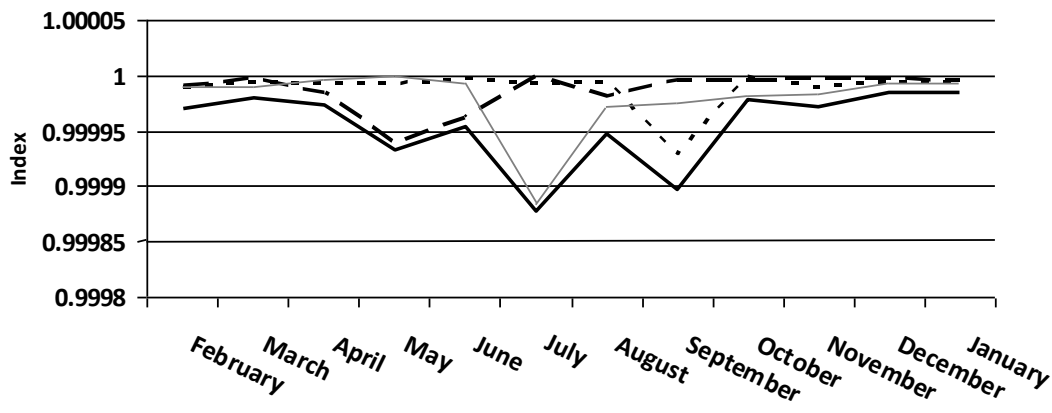


(Item 1.9) 12-Month Cause Contributions to Reliability



GEN EQUIP FAILURE  
F:54.4% D:23.6%  
TRANS EQUIP FAILURE  
F:6.0% D:7.4%  
ANIMALS  
F:9.0% D:9.5%  
DIST EQUIP FAILURE  
F:7.9% D:9.4%  
VEGETATION  
F:3.4% D:3.2%  
SCHEDULED OUTAGES  
F:8.1% D:39.6%  
EXT INTERFER./OP.  
ERROR  
F:2.4% D:3.8%  
WEATHER & ENVIR.  
F:4.0% D:1.3%  
UNKNOWN  
F:4.7% D:2.2%

As of January 31, 2020

**(Item 1.1,1.2,1.5) January 2020 CAIDI = 38.20 ↓ (38.91)****(Item 1.1,1.2,1.5) January 2020 ASAI = 0.9995 ↑ (0.9994)****(Item 1.4) Top 5 Worst Feeders Distribution Causes**

| # | Feeder | Outage Count |
|---|--------|--------------|
| 1 | P261   | 13           |
| 2 | P294   | 12           |
| 3 | P340   | 11           |
| 4 | P262   | 6            |
| 5 | P280   | 6            |

**(Item 1.3) Outage Count**

| TOTAL | UFLS | Non-UFLS |
|-------|------|----------|
| 610   | 358  | 252      |

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

| # | Outage Cause         | Count |
|---|----------------------|-------|
| 1 | Wind                 | 38    |
| 2 | Overhead Equipment   | 35    |
| 3 | Vegetation           | 16    |
| 4 | Snakes               | 10    |
| 5 | Substation Equipment | 7     |

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

| SAIDI | SAIFI | CAIDI |
|-------|-------|-------|
| 84.99 | 5.06  | 16.80 |

# E&TS Divisional Report Summary

January 31, 2020

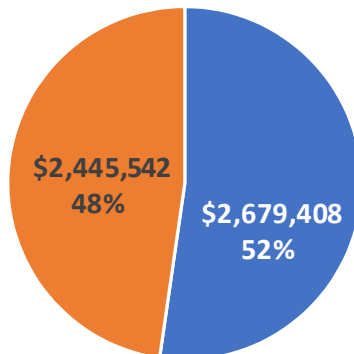


# Contents

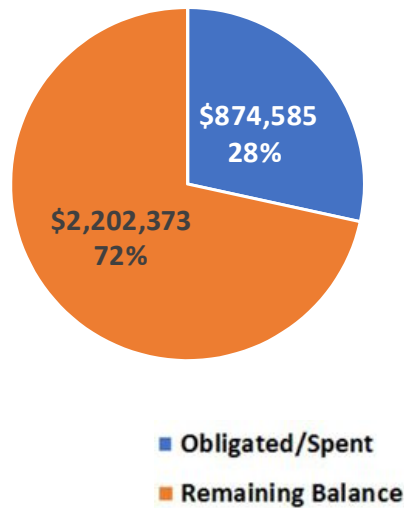
- E&TS Budget Execution Performance
  - O&M Contract Budget
  - CIP Budget
  - DSM Budget
- Environmental Compliance (SPCC and BMP Inspections)

# E&TS Budget Execution Performance

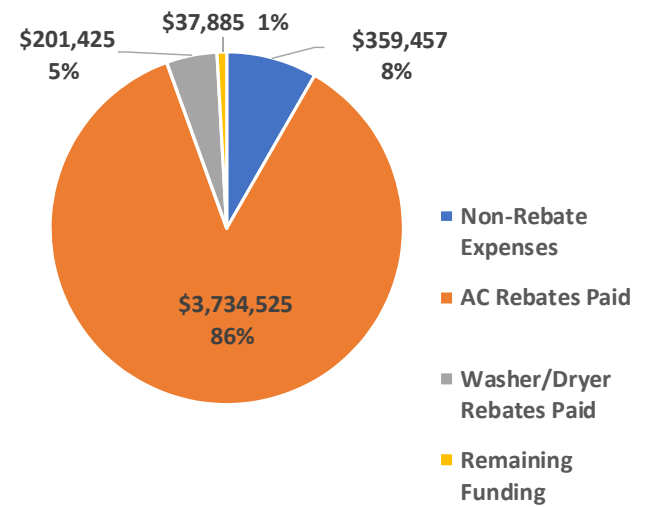
E&TS O&M Contract Budget



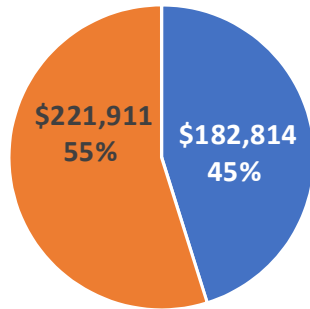
E&TS CIP Budget



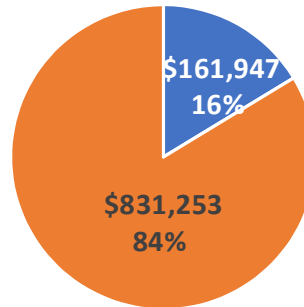
DEC 2015 to JAN 2020 DSM EXPENSE SUMMARY



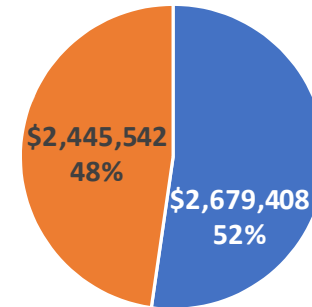
ENG O&M Contract Budget



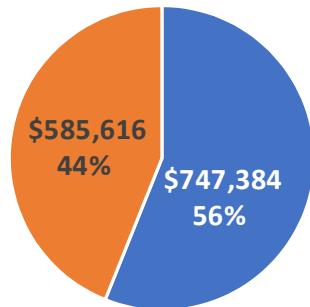
SPORD O&M Contract Budget



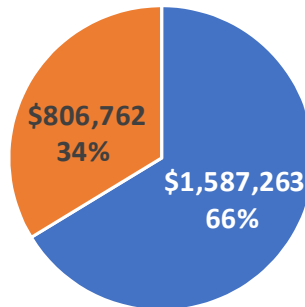
E&TS O&M Contract Budget



P&R O&M Contract Budget

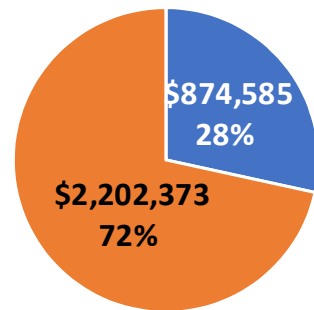


IT O&M Contract Budget

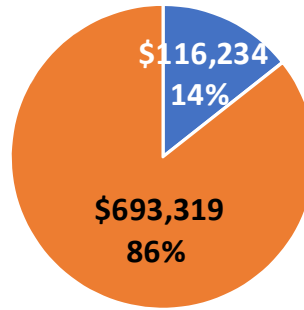


■ Obligated/Spent  
■ Remaining Balance

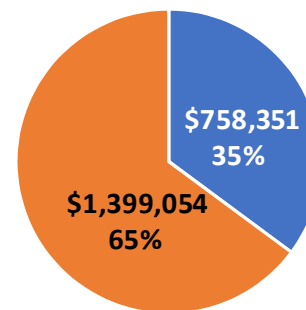
ENG CIP Contract Budget



SPORD CIP Budget



IT CIP Budget



■ Obligated/Spent  
■ Remaining Balance

# FY 2020 Procurement Status

| Business Unit            | Current Type |           |               |           |             | Current Status  |                      |           | Planned  |           |               |           |
|--------------------------|--------------|-----------|---------------|-----------|-------------|-----------------|----------------------|-----------|----------|-----------|---------------|-----------|
|                          | RFP          | Bid       | Multistep Bid | Total     | Resolicited | QBL Established | Evaluation Completed | Award/NTP | RFP      | Bid       | Multistep Bid | Total     |
| <b>SPORD</b>             |              |           | 1             | 1         |             |                 | 6                    | 2         | 2        |           | 6             | 8         |
| <b>Engineering</b>       | 3            | 24        |               | 27        |             |                 | 7                    | 7         | 2        | 10        |               | 12        |
| <b>SPORD/Engineering</b> |              |           |               | 0         |             |                 | 0                    |           |          |           |               | 0         |
| <b>IT</b>                | 4            |           |               | 4         | 4           |                 |                      |           | 4        |           |               | 4         |
| <b>P&amp;R</b>           |              | 2         | 3             | 5         |             | 2               | 2                    | 0         |          | 2         |               | 2         |
|                          |              |           |               |           |             |                 |                      |           |          |           |               |           |
| <b>Total</b>             | <b>7</b>     | <b>26</b> | <b>4</b>      | <b>37</b> | <b>4</b>    | <b>2</b>        | <b>15</b>            | <b>9</b>  | <b>8</b> | <b>12</b> | <b>6</b>      | <b>26</b> |

# Environmental Compliance

P&R Inspections Status Ending January 31, 2020

| Inspection Type                                      | Organization Responsibility | Violations Not Remediated          | Number |
|--|-----------------------------|------------------------------------|--------|
| Spill Prevention, Control, and Countermeasure (SPCC) | Generation                  | New Violation Notifications Issued | 6      |
|  |                             | Remediations Past Due              | 18     |
|  |                             | Remediations Not Past Due          | 0      |
|  | T&D                         | New Violation Notifications Issued | 1      |
|  |                             | Remediations Past Due              | 1      |
|  |                             | Remediations Not Past Due          | 0      |
| Best Management Practices (BMPs)                     | Generation                  | New Violation Notifications Issued | 1      |
|  |                             | Remediations Past Due              | 5      |
|  |                             | Remediations Not Past Due          | 0      |

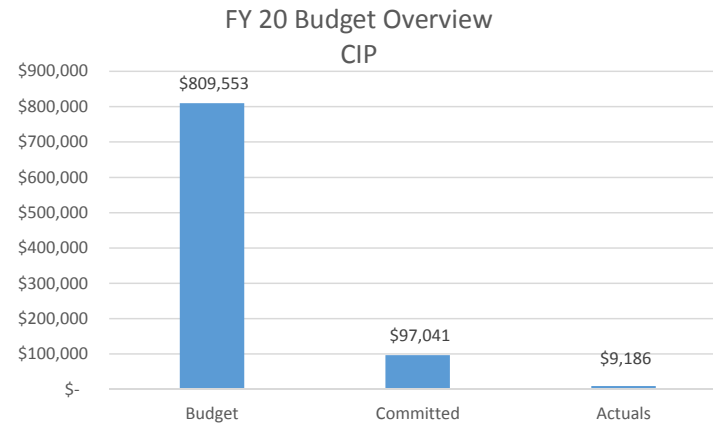
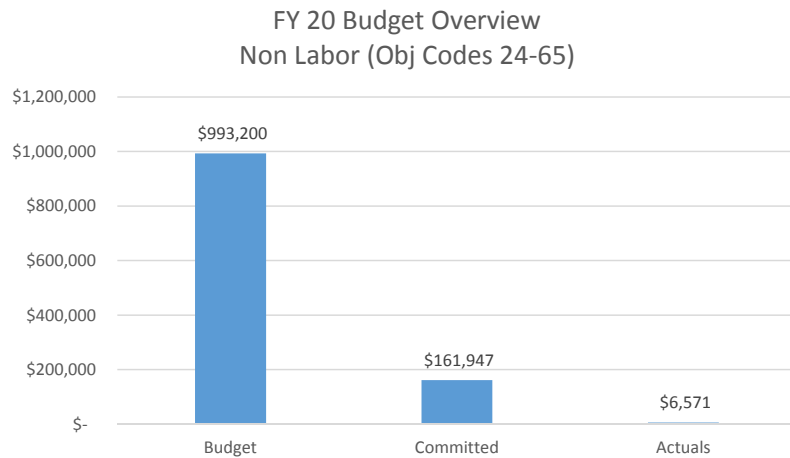
- SPCC rule purpose is to help facilities prevent oil discharges into navigable waters or adjoining shorelines
- BMP refers to a type of auxiliary pollution controls in the fields of industrial wastewater control and municipal sewage control, storm water management, and wetland management

# SPORD CCU Report

Update thru January 31, 2020

# SPORD FY 2020 Budget Status

thru December 31, 2019



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



# SPORD FY 2020 Budget Status

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

|                                   | <b>Budgeted<br/>Amount</b> | <b>Committed<br/>Amount</b> | <b>Actuals</b> | <b>PO Balance</b> |
|-----------------------------------|----------------------------|-----------------------------|----------------|-------------------|
| Aggreko Contract                  | \$ 13,227,886              | \$ 13,227,886               | \$ 2,065,652   | \$ 11,162,235     |
| Fuel Contracts                    | \$ 270,418,228             | \$ 332,697,930              | \$ 84,677,520  | \$ 248,020,410    |
| MEC IPP (Piti 8&9)                | \$ 18,446,737              | \$ 10,314,988               | \$ 3,203,615   | \$ 7,111,373      |
| Glidepath Contract<br>(Renewable) | \$ 10,184,494              | \$ 10,184,494               | \$ 1,521,852   | \$ 8,662,642      |

# SPORD FY 2020 Budget Status

## Demand Side Management

| Description               | FY16                | FY17                | FY18                  | FY19                  | FY20                | Total to Date         |
|---------------------------|---------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|
|                           |                     |                     |                       |                       | As of 1/31/20       |                       |
| Regular/OT Pay            | \$11,348.80         | \$22,256.00         | \$26,121.83           | \$50,715.19           | \$11,519.27         | \$121,961.09          |
| Other Contractual         | \$28,278.50         | \$85,550.05         | \$116,977.50          | \$3,025.00            | -                   | \$233,831.05          |
| Ads & Radio Announcements | -                   | -                   | -                     | \$7,500.00            | \$1,500.00          | \$9,000.00            |
| Paid Rebates-Split AC     | \$154,700.00        | \$557,275.00        | \$1,349,825.00        | \$1,374,650.00        | \$274,575.00        | \$3,711,025.00        |
| Paid Rebates-Central AC   | \$3,400.00          | \$8,200.00          | \$4,400.00            | \$6,500.00            | \$1,000.00          | \$23,500.00           |
| Paid Rebates-Washer/Dryer | \$2,800.00          | \$7,425.00          | \$57,200.00           | \$110,800.00          | \$23,200.00         | \$201,425.00          |
| <b>Total Expenses</b>     | <b>\$200,527.30</b> | <b>\$680,706.05</b> | <b>\$1,554,524.33</b> | <b>\$1,553,190.19</b> | <b>\$311,794.27</b> | <b>\$4,300,742.14</b> |
| Bank Interest (+)         | \$1,676.42          | \$1,722.74          | \$1,222.29            | \$730.05              | \$127.57            | \$5,479.07            |
| Bank Fees                 | \$155.00            | \$1,032.06          | \$1,085.08            | \$1,247.54            | \$145.00            | \$3,664.68            |

Budget Balance: \$ 493,775.25

# Ongoing Activities

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

**PROCUREMENT ACTIVITIES****PENDING AWARD / NTP**

| Responsible | PROJECT         | Description  | CCU Date Approved (Resolution No.) | PUC Date Approved (Docket No.) | Projected Start* | Projected Completion | Status                                   |
|-------------|-----------------|--|------------------------------------|--------------------------------|------------------|----------------------|--|
| SPORD (RAC) | PLANNING        | MV90 Integration Services  |                                    | *not required*                 | TBD              | TBD                  | Contract Negotiations                    |
| SPORD (LOS) | STUDIES         | Power System Analyses and Studies  |                                    |                                | Feb-20           | TBD                  | Contract and PO signed                   |
| SPORD (RAC) | SCADA           | DNP3 SA training   |                                    |                                | TBD              | TBD                  | Vendor decline to provide price proposal |
| SPORD (FJI) | NEW POWER PLANT | Build, Operate & Transfer Contract for 120-180MW of New Generation Capacity. | 09/03/19 (2019-13)                 | 10/31/19 (2019-13)             | 11/1/2019        | 10/31/2022           | PUC approved it October 31, 2019.        |

**PROCUREMENT ACTIVITIES****ONGOING PROCUREMENT**

| Responsible | PROJECT        | Description   | Bid or RFP | Bid/RFP No                 | Announced  | Bid Opening / Due | Notes  |
|-------------|----------------|---|------------|----------------------------|------------|-------------------|--|
| SPORD (MAT) | RENEWABLES     | Renewable Energy Resource Phase III                                   | MS Bid     | GPA-007-18                 | 11/16/2017 | 9/12/2019 (Price) | Notice of lowest bidder issued. Protest filed. Currently under OPA review. |
| SPORD (RAC) | STUDIES        | Consulting Services for Distribution Study using Smart Grid Analytics | RFP        | RE-SOLICITATION RFP-19-002 | Feb-19     | 3/28/2019         | Price Negotiations   |
| SPORD (RAC) | Tier 2 Network | ABB TropOs Network Services   | RFP        | GPA-RFP-19-010             | Jul-19     | TBD               | Completed Price Negotiations   |
| SPORD (MAT) | SPORD Software | Utility Resource Planning Software                                    | RFP        | GPA-RFP-25-003             | Jan-20     | Mar-20            | On-going Solicitation  |
| SPORD (MAT) | Cabras PMC     | PMC for Cabras #1 and #2 Steam Power Plant                            | IFB        | MS-GPA-035-20              | Feb-20     | Apr-20            | On-going Solicitation  |

**DEVELOPING PROCUREMENT**

| Responsible     | PROJECT          | Description                                | Bid or RFP | Projected Start | Projected Completion | Status   |
|-----------------|------------------|--|------------|-----------------|----------------------|--|
| SPORD (RAC)     | ELECTRIC VEHICLE | Electric Vehicle Infrastructure            | RFP        | Oct-19          | Jun-20               | Developing Requirements (hold)   |
| SPORD (ANF/MAT) | FUEL             | GPA Bulk Fuel Storage Facility PMC         | Bid        | FY2020          | Jun-20               | Developing Specifications to convert to PMC  |
| SPORD (LOS)     | WIND TURBINE     | Wind Turbine O&M Supervision and Materials | RFP        | FY2019          | FY2019               | Developing RFP documents   |
| SPORD (ANF)     | FUEL             | Bulk ULSD Supply                           | MS Bid     | Feb-20          | Jun-20               | Bid Package Prepared. Pending upper management advise on issuance date for the solicitation. |
| SPORD (ANF)     | FUEL             | Bulk RFO Supply                            | MS Bid     | Feb-20          | Jun-20               | Bid Package Prepared. For CCU & PUC approval   |
| SPORD (MAT)     | RENEWABLES       | Phase IV Renewable Resource Acquisition    | (TBD)      | Jan-20          | Dec-20               | Developing Scope of Work & Bid Documents   |
| SPORD (RAC)     | SCADA            | Replicated Database                        | RFP        | May-20          | Dec-20               | Developing Scope of Work & RFP Documents   |

## PROJECT ACTIVITIES – January 2020

| No. | Project Description                | January 2020 Activities  | Status / Est. Completion  | RFP/Bid No        |
|-----|------------------------------------|--|---|-------------------|
| 1   | Energy Storage System (Phase I)    | Final design completed. Clearing and grading permit work commenced in November 2017. Foundation permit work commenced in January 2018. Construction is 98% completed.  | Apr-20  | MS Bid GPA-082-15 |
| 2   | Renewable Energy Resource Phase II | No significant activities during month.  | KEPCO PV plant COD is extended to January 21, 2022. Hanwha's COD is also extended to Aug 22, 2022.  | MS Bid GPA-070-16 |
| 3   | New Power Plant Bid (EPCM)         | GPA held a partnering session with attendees from KEPCO, Govguam agencies, Stanley on January 29 and 31.   | Projected Award (2019 Q3)<br>COD (2022 Q2)  | MS GPA-034-18     |
| 4   | DSM Marketing                      | No additional activities funded for remaining of the year.   | Continuous  |                   |
| 5   | DSM Rebate Program                 | Processed about <b>210</b> applications for rebates totaling ~ <b>\$70k</b>  | Continuous  |                   |
| 6   | Wireless Network Expansion         | Commenced Southern Expansion in collaboration with GWA: 30%<br>Router Equipment and Accessories purchase<br>Preparing next router order and installation documents   | Dec-19<br>Dec 2019<br>Dec 2019  | GPA-019-18        |
| 7   | Electric Grid Analysis Software    | Training on Planning and Analysis Cases  | Jun-20  | GPA-064-16        |
| 8   | GDOE BEST Schools                  | <b>Pilot Project: Carbullido Elementary School &amp; Lighting Grant Project:</b><br>- Construction 100% complete<br><br><b>Southern High and George Washington High</b><br>- Construction 100% Complete<br><br><b>Pending Final Reports.</b> | <b>Lighting Installations:</b><br><b>Southern HS: 08/09/2019</b><br><b>GWHS: 08/04/2019</b><br><br><b>Layouts, Audit Check &amp; Substantial Completion:</b><br>08/31/2019<br><br><b>Close-Out:</b><br>09/30/2019 | GPA-RFP-16-013    |

GPA Work Session - February 20, 2020 - DIVISION REPORTS

| No. | Project Description  | January 2020 Activities  | Status / Est. Completion  | RFP/Bid No                        |
|-----|--|--|---|-----------------------------------|
| 9   | Supervisory Control and Data Acquisition (SCADA) System  | Project Substantially completed  | Feb 2019<br>(Punchlist items by Nov 2019)                                   | GPA-066-16                        |
| 10  | Mobile Workforce Management System   | Test Server config completed Jan 2020  | Mar-20  | GPA-RFP-18-013                    |
| 11  | Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies | Price Negotiations   | Dec 2019 (Contract Award)   | RE-SOLICITATION<br>GPA-RFP-19-002 |
| 12  | MEC Piti & #8 and #9 - ECA Extension   | Contract Extension commenced 12:00 Noon January 29, 2019. (No issues)<br>Reviewing Recapitalization Projects completed and in-progress. Reviewing option to convert to ULSD. Possible project and funding adjustments. | IN PROGRESS   | (N/A)                             |
| 13  | Cabars 1&2 PMC Solicitation  | PUC approval received in January 2020. IFB announced 2/11/2020.  | IN PROGRESS (Est. completion 10/1/2020)                                     | GPA-035-20                        |
| 14  | EV Infrastructure  | Fast charge station scope for Mangilao offices.<br>Developing fast charge station scope for Mangilao offices.  | 6/1/2020  |                                   |
| 15  | Renewable Energy Resource Phase III  | Under Protest Period, currently filed with the OPA.  | TBD   | GPA-007-18                        |
| 16  | Utility Energy Services Contract (UESC)  | Continued work with GDOE on Best Schools Program (Grant & Pilot)<br>Continued discussions with Navy, KenCorp, Bank of Guam, UOG on potential scope.  | Ongoing   |                                   |
| 17  | RFO Supply to Baseload Plants  | Completed. 2-year Contract to commence on Dec 1, 2018 and will expire on August 31, 2020 with 3-1 year extension options   | Completed   | IFB GPA-009-18                    |
| 18  | GPA Fuel Farm RFO Pipeline Repair & Upgrade  | c/o Engineering Project Mgt. Repairs completed. Repairs on 12-inch pipeline connection to Tk1934 overflow line   | Project Implementation in progress.<br>Estimated completion: Feb 2020       | IFB GPA-047-18                    |
| 19  | GPA Fuel Farm ULSD Pipeline Upgrade  | c/o Engineering Project Mgt. Contractor mobilization in progress   | Project Timeline:<br>Estimated Start: Jan 2020<br>Est. Completion: Dec 2020 | IFB GPA-027-19                    |

GPA Work Session - February 20, 2020 - DIVISION REPORTS

| No. | Project Description                          | January 2020 Activities   | Status / Est. Completion  | RFP/Bid No     |
|-----|--|---|---|----------------|
| 20  | Tk 1934 & Tk1935 API 653 Internal Inspection | c/o Engineering Project Mgt. Contractor Mobilization in progress  | Project Timeline:<br>Estimated Start: Feb 2020<br>Est. Completion: Dec 2022   | IFB GPA-028-19 |
| 21  | Milsoft Systems Software Services            | Engineering Analysis Training -January 2020 Completed   | Continuous  | GPA-RFP-18-003 |
| 22  | MV90 Integration Services                    | Contract Negotiations   |   | GPA-RFP-18-001 |
| 23  | Grant Support                                | Continued grant development and execution. Initiated Kickoff meeting for project start in July.<br>1. Execution of GW & Southern HS Lighting Retrofit with Siemens (UESC Partner)<br>2. Guam Energy Office EnergySmart School Grant finalizing scope and MOU<br>3. Development & Submittal of USDA Revolving Loan Grant<br>4. Development & Submittal for Dept of Interior Energizing Insular Communities (EIC) Grant. 14 proposals submitted July 31, deadline | 1) Close out: 09/30/19<br>2) GEO MOA Finalize: Sept '19<br>Grant Scope Completion: Dec. '20<br>3) Pending announcement<br>4) September 2019 (Award Announcement)        |                |
| 24  | Redesignation of Cabras-Piti / Guam          | Re-designation received 12/2018. SIP Draft sent to Guam EPA week of 10/21/2019. Final clarifications and changes made to Control Strategy and SIP Modeling Protocol and submitted by GPA Guam EPA via email and hand delivery of printed copy, week of February 10, 2020. Awaiting final decision on AAQM.  | Start: October 2011<br>Est. Completion: April 2020<br>*Submitted to EPA week of Oct. 21, 2019.<br>Expecting final response from US EPA RIX on or before April 20, 2020. | RFP-11-001     |
| 25  | GPA Fuel Farm- OWS Upgrading                 | c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair.   | Project Timeline:<br>Estimated Start: Feb 2020<br>Est. Completion: Dec 2020   | IFB GPA-028-19 |
| 26  | GPA Fuel Farm- LD System Upgrading           | c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair.   | Project Timeline:<br>Estimated Start: Feb 2020<br>Est. Completion: Dec 2022   | IFB GPA-028-19 |



GPA Work Session - February 20, 2020 - DIVISION REPORTS

| No. | Project Description                                | January 2020 Activities  | Status / Est. Completion   | RFP/Bid No                 |
|-----|--|--|--|----------------------------|
| 27  | Integrated Resource Plan                           | Received report from Leidos on candidate resources. Received corrected Load Forecast from UFS; AGMETS and CFO requested for High Load forecast (data center). Fuel Forecast from S&P downloaded and under SPE review. Agenda, Calendar and Presentation for Demand Forecasting under review by Engr Supervisors, SPORD Manager and AGMETS. | 9/20/2020  | GPA-RFP-17-002 / UFS / S&P |
| 28  | Energy Storage Development Support                 | Consultant preparing proposal for third-party commissioning services   | Sept/Oct 2019  | GPA-RFP-13-007             |
| 29  | Wind Turbine Maintenance Supervision and Materials | Consultant to supervise turbine repairs & replacement parts.   | Estimated Start: TBD<br>Est. Completion: TBD   | Sole Source                |
| 30  | Utility Resource Plannign Software RFP.            | RFP Announced on 1/16/2020, deadline for proposals on 3/19/2020.   | Planned Completion: 9/30/2021  | RFP-20-003                 |
| 31  | Strategic Planning                                 | ON HOLD. (c/o Finance Contract w/ Mark Beauchamp)  | Estimated Start: TBD<br>Est. Completion: TBD   |                            |
| 32  | Power System Analyses and Studies                  | Signed contract and PO Acknowledgement received from S&C. Project on hold due to Phase III Protest.  | Estimated Start: Nov 2019<br>Est. Completion: TBD  |                            |
| 33  | CT PMC Negotiations                                | Contract expires February 28, 2021. Request for Contract Extension Proposal sent to TEMES.   | Estimated Start: Mar 2020<br>Est. Completion: Dec 2020   | TBD                        |
| 35  | Diesel Supply to Tenjo Vista                       | Bid Package Prepared. Resolution 2020-02 approved by CCU. For PUC approval in Feb 2020 hearing.  | Project Timeline:<br>Estimated Start: May 2020<br>Est. Completion: Dec 2020  | TBD                        |
| 36  | GPA Fuel Farm Mgt Contract                         | 2nd & 3rd Year Contract Extension (10/01/20-09/30/22) approved by CCU (Resolution 2020-03). For PUC approval in Feb 2020 hearing.  | 2-year base period: Completed 09/30/19<br>1st Year Extn: 10/01/19 to 09/30/20<br>2nd & 3rd Yr Extn: For PUC approval | IFB GPA-014-17             |
| 37  | RFO Supply to Baseload Plants                      | Bid Package Prepared. Resolution 2020-04 for approval in Feb 2020 CCU meeting.<br>ContractTerm: 3-year base period: 09/01/20 to 08/31/23 w/ 2 Year Extn Option   | Solicitation Timeline:<br>Estimated Start: Mar 2020<br>Est. Completion: Aug 2020                                     | TBD                        |

# CCU Report- DSM

As of January 31, 2020

## All Expenses – Fiscal Year

| Description               | FY16                | FY17                | FY18                  | FY19                  | FY20                | Total to Date         |
|---------------------------|---------------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|
|                           |                     |                     |                       |                       | As of 1/31/20       |                       |
| Regular/OT Pay            | \$11,348.80         | \$22,256.00         | \$26,121.83           | \$50,715.19           | \$11,519.27         | \$121,961.09          |
| Other Contractual         | \$28,278.50         | \$85,550.05         | \$116,977.50          | \$3,025.00            | -                   | \$233,831.05          |
| Ads & Radio Announcements | -                   | -                   | -                     | \$7,500.00            | \$1,500.00          | \$9,000.00            |
| Paid Rebates-Split AC     | \$154,700.00        | \$557,275.00        | \$1,349,825.00        | \$1,374,650.00        | \$274,575.00        | \$3,711,025.00        |
| Paid Rebates-Central AC   | \$3,400.00          | \$8,200.00          | \$4,400.00            | \$6,500.00            | \$1,000.00          | \$23,500.00           |
| Paid Rebates-Washer/Dryer | \$2,800.00          | \$7,425.00          | \$57,200.00           | \$110,800.00          | \$23,200.00         | \$201,425.00          |
| <b>Total Expenses</b>     | <b>\$200,527.30</b> | <b>\$680,706.05</b> | <b>\$1,554,524.33</b> | <b>\$1,553,190.19</b> | <b>\$311,794.27</b> | <b>\$4,300,742.14</b> |
| Bank Interest (+)         | \$1,676.42          | \$1,722.74          | \$1,222.29            | \$730.05              | \$127.57            | \$5,479.07            |
| Bank Fees                 | \$155.00            | \$1,032.06          | \$1,085.08            | \$1,247.54            | \$145.00            | \$3,664.68            |

*\*Expenses for Jan 20 are preliminary and may be subject to adjustment during reconciliation process.*

# DSM Funding

| No. | Description                | Amount               |
|-----|----------------------------|----------------------|
| 1   | Initial DSM Budget FY 2016 | \$ 1,806,014.00      |
| 2   | Interest Income            | \$ 5,479.07          |
| 3   | Bank Fees                  | \$ 3,664.68          |
| 4   | Additional Budget:         |                      |
|     | ▪ Bond Refinance 2017      | \$ 1,139,189.00      |
|     | ▪ Revenue Funds FY2019     | \$ 1,047,500.00      |
|     | ▪ Revenue Funds FY2020     | \$ 300,000.00        |
| 5   | Total Expense as of Report | \$4,300,742.14       |
|     | <b>DSM Ending Balance</b>  | <b>\$ (6,224.75)</b> |

## FY 2017- Rebate Amount Paid Monthly

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

## FY 2018- Rebate Amount Paid Monthly

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

## FY 2019- Rebate Amount Paid Monthly

| Month   | Total           | Split A/C Units | Central A/C Units | Washers/ Dryers |
|---------|-----------------|-----------------|-------------------|-----------------|
| OCT '18 | \$ 82,000.00    | \$ 75,400.00    | \$ -              | \$ 6,600.00     |
| NOV '18 | \$ 25,425.00    | \$ 23,425.00    | \$ -              | \$ 2,000.00     |
| DEC '18 | \$ 63,925.00    | \$ 62,525.00    | \$ -              | \$ 1,400.00     |
| JAN '19 | \$ 175,150.00   | \$ 158,150.00   | \$ -              | \$ 17,000.00    |
| FEB '19 | \$ 104,925.00   | \$ 96,125.00    | \$ -              | \$ 8,800.00     |
| MAR '19 | \$ 137,025.00   | \$ 119,825.00   | \$ 3,400.00       | \$ 13,800.00    |
| APR '19 | \$ 99,650.00    | \$ 89,250.00    | \$ -              | \$ 10,400.00    |
| *       | \$ (111,225.00) | \$ (102,825.00) |                   | \$ (8,400.00)   |
| MAY '19 | \$ 80,950.00    | \$ 72,950.00    | \$ -              | \$ 8,000.00     |
| JUN '19 | \$ 120,525.00   | \$ 110,125.00   | \$ 800.00         | \$ 9,600.00     |
| JUL '19 | \$ 162,350.00   | \$ 152,350.00   | \$ 800.00         | \$ 9,200.00     |
| AUG '19 | \$ 191,175.00   | \$ 184,075.00   | \$ 500.00         | \$ 6,600.00     |
| SEP '19 | \$ 124,200.00   | \$ 115,500.00   | \$ 500.00         | \$ 8,200.00     |
| TOTALS  | \$ 1,255,475.00 | \$ 1,156,475.00 | \$ 6,000.00       | \$ 93,000.00    |

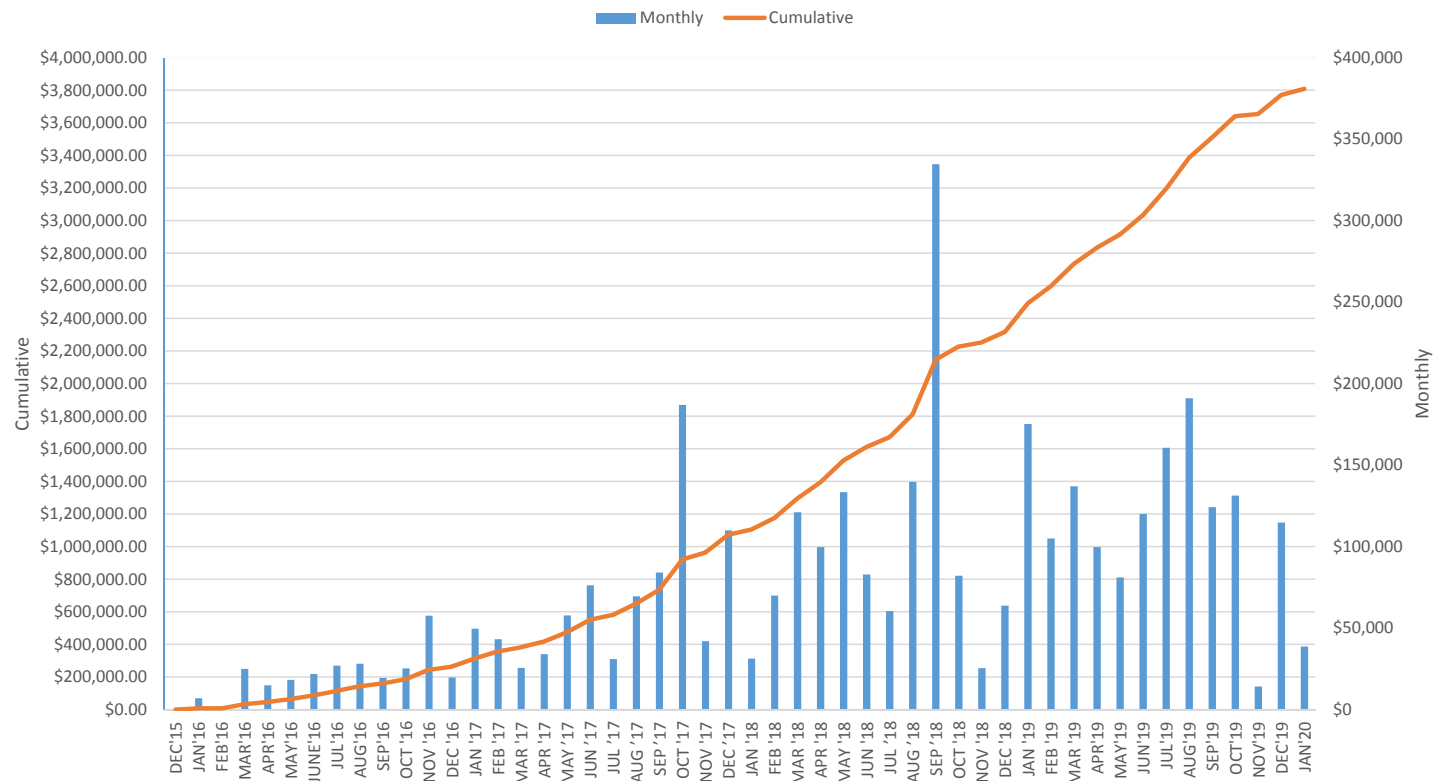
\* FY18 Finance Adjustment

## FY 2020- Rebate Amount Paid Monthly

| Month   | Total        | Split A/C Units | Central A/C Units | Washers/ Dryers |
|---------|--------------|-----------------|-------------------|-----------------|
| OCT '19 | \$131,300.00 | \$120,000.00    | \$500.00          | \$10,800.00     |
| NOV '19 | \$14,050.00  | \$13,650.00     | \$0.00            | \$400.00        |
| DEC '19 | \$114,775.00 | \$104,275.00    | \$500.00          | \$10,000.00     |
| JAN '20 | \$38,650.00  | \$36,650.00     | -                 | \$2,000.00      |
| FEB '20 | -            | -               | -                 | -               |
| MAR '20 | -            | -               | -                 | -               |
| APR '20 | -            | -               | -                 | -               |
| MAY '20 | -            | -               | -                 | -               |
| JUN '20 | -            | -               | -                 | -               |
| JUL '20 | -            | -               | -                 | -               |
| AUG '20 | -            | -               | -                 | -               |
| SEP '20 | -            | -               | -                 | -               |
| TOTALS  | \$298,775.00 | \$274,575.00    | \$1,000.00        | \$23,200.00     |



## FY'17- FY'20 Rebate Amount Paid



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

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

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

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

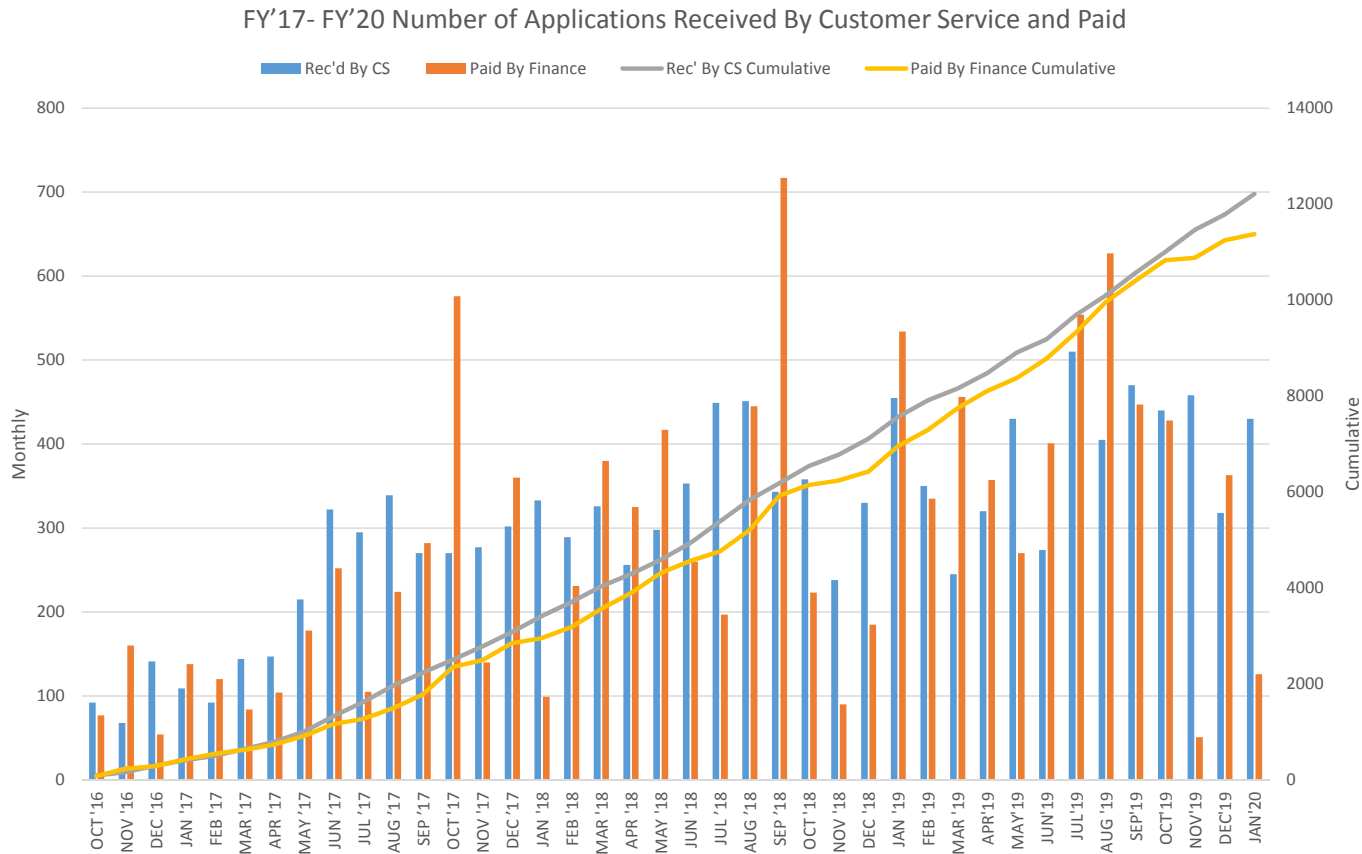
## FY 2019 Number of Applications Received By Customer Service and Paid Monthly

| Month   | Rec'd By CS | Paid By Finance |
|---------|-------------|-----------------|
| OCT '18 | 358         | 223             |
| NOV '18 | 238         | 90              |
| DEC '18 | 330         | 185             |
| JAN '19 | 455         | 534             |
| FEB '19 | 350         | 335             |
| MAR '19 | 245         | 456             |
| APR '19 | 320         | 357             |
| MAY '19 | 430         | 270             |
| JUN '19 | 274         | 401             |
| JUL '19 | 510         | 554             |
| AUG '19 | 405         | 627             |
| SEP '19 | 470         | 447             |

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

| Month   | Rec'd By CS | Paid By Finance |
|---------|-------------|-----------------|
| OCT '19 | 440         | 428             |
| NOV '19 | 458         | 51              |
| DEC '19 | 318         | 363             |
| JAN'20  | 430         | 126             |
| FEB '20 |             |                 |
| MAR '20 |             |                 |
| APR '20 |             |                 |
| MAY '20 |             |                 |
| JUN '20 |             |                 |
| JUL '20 |             |                 |
| AUG '20 |             |                 |
| SEP '20 |             |                 |

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

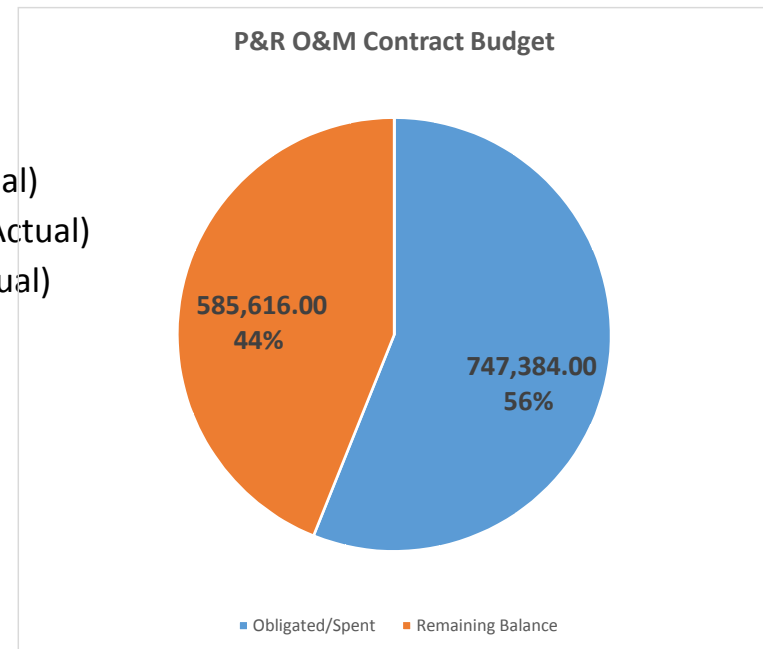


# Planning & Regulatory CCU Report

January 31, 2020

# Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
  - 0.10% O&M Obligation as of October 31, 2019 (Actual)
  - 26.62% O&M Obligation as of December 31, 2019 (Actual)
  - 56.07% O&M Obligation as of January 31, 2020 (Actual)
  - 70% O&M Obligated by March 31, 2020





## P&R Weekly & Monthly Inspection Reports

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

## P&R Inspection Report Purpose

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

## Weekly BMP Report

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

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

INSPECTOR: WILLIAM MAFNAS/MARVIN POLIARCO

| LOCATION        | WE<br>01/03/20<br>FINDINGS   | WE<br>01/10/20<br>FINDINGS   | WE<br>01/17/20<br>FINDINGS   | WE<br>01/24/20<br>FINDINGS | RECOMMENDATION/<br>REMARKS                     | INITIAL<br>FINDINGS<br>DATE | DUE DATE | DATE<br>COMPLETED | RESPONSE |
|-----------------|--|--|--|----------------------------|--|-----------------------------|----------|-------------------|----------|
| Cabras Facility | Wooden pallets<br>improperly stored<br>throughout the facility<br>(main entrance near<br>trash bin, between<br>fuel treatment and<br>water treatment<br>house and inside<br>Cabras 3&4 | Wooden pallets<br>improperly stored<br>throughout the facility<br>(main entrance near<br>trash bin, between<br>fuel treatment and<br>water treatment<br>house and inside<br>Cabras 3&4 | Wooden pallets<br>improperly stored<br>throughout the facility<br>(main entrance near<br>trash bin, between<br>fuel treatment and<br>water treatment<br>house and inside<br>Cabras 3&4 |                            | Properly store or dispose of<br>wooden pallets | 1/3/2020                    | ASAP     |                   |          |
|                 | Oil found on floor of<br>Cabras 3&4  | Oil found on floor of<br>Cabras 3&4  | Oil found on floor of<br>Cabras 3&4  |                            | Conduct cleanup                                | 12/20/2019                  | ASAP     |                   |          |

## Weekly BMP Report

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

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

INSPECTOR: WILLIAM MAFNAS/MARVIN POLIARCO

| LOCATION        | WE<br>01/03/20<br>FINDINGS   | WE<br>01/10/20<br>FINDINGS   | WE<br>01/17/20<br>FINDINGS   | WE<br>01/24/20<br>FINDINGS | RECOMMENDATION/<br>REMARKS          | INITIAL<br>FINDINGS<br>DATE | DUE DATE | DATE<br>COMPLETED | RESPONSE |
|-----------------|--|--|--|----------------------------|-------------------------------------|-----------------------------|----------|-------------------|----------|
| Cabras Facility | Grass and debris covering storm drains throughout the facility (storm drain in front of storage day tank #1 & storm drain in front of switchyard.                            | Grass and debris covering storm drains throughout the facility (storm drain in front of storage day tank #1 & storm drain in front of switchyard.                            | Grass and debris covering storm drains throughout the facility (storm drain in front of storage day tank #1 & storm drain in front of switchyard.        |                            | Remove debris and clean storm drain | 12/20/2019                  | ASAP     |                   |          |
|                 | Overgrown grass & vegetation throughout the facility (between C3&4 oil-water separator & outfall, inside ponding basin, parking lot behind storage tanks & C3&4 transformers | Overgrown grass & vegetation throughout the facility (between C3&4 oil-water separator & outfall, inside ponding basin, parking lot behind storage tanks & C3&4 transformers | Overgrown grass & vegetation throughout the facility (between C3&4 oil-water separator & outfall, inside ponding basin, parking lot behind storage tanks |                            | Cut the grass                       | 1/3/2020                    | ASAP     |                   |          |

## Weekly BMP Report

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

## LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

INSPECTOR: WILLIAM MAFNAS/MARVIN POLIARCO

| LOCATION   | WE<br>01/03/20<br>FINDINGS                               | WE<br>01/10/20<br>FINDINGS                               | WE<br>01/17/20<br>FINDINGS                                       | WE<br>01/24/20<br>FINDINGS | RECOMMENDATION/<br>REMARKS | INITIAL<br>FINDINGS<br>DATE | DUE DATE | DATE<br>COMPLETED | RESPONSE |
|--|--|--|--|----------------------------|----------------------------|-----------------------------|----------|-------------------|----------|
| Cabras Facility                                    |  |  | Debris pile<br>accumulating near<br>ponding basin and<br>outfall |                            | Remove debris              | 1/17/2020                   | ASAP     |                   |          |
| Chemical Storage Building<br>(Cabras 1, 2, 3, & 4) | Water mixed with<br>chemical (acid) in the<br>trench/pit | Water mixed with<br>chemical (acid) in the<br>trench/pit | Water mixed with<br>chemical (acid) in the<br>trench/pit         |                            | Conduct cleanup            | 12/20/2019                  | ASAP     |                   |          |





## Generation SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT  
MONTH OF JANUARY 2020

## LEGEND OF TRACKING

|   |                              |   |                      |
|---|------------------------------|---|----------------------|
|  | Notification Date            |  | Completed            |
|  | Within Scheduled Remediation |  | Deadline is Past Due |

## POWER PLANT

| LOCATIONS          | FINDINGS                             | RECOMMENDATION/REMARKS                               | STATUS   | RESPONSIBLE | COMPLETION DATE | DUE DATE | INITIAL FINDINGS DATE |
|--------------------|--------------------------------------|--|--|-------------|-----------------|----------|-----------------------|
| CABRAS POWER PLANT | Secondary Containment Day Tank No. 2 | Leak on filter drain valve                           | Verify/repair drain valve                                      |             |                 | ASAP     | November 2019         |
|                    |                                      | Corroded braces, bolts and nuts                      | Replace braces, bolts and nuts                                 |             |                 | ASAP     | November 2019         |
|                    | Refilling Valve                      | Rainwater, algae and dirt in sec. containment        | Drain and remove algae and dirt                                |             |                 | ASAP     | November 2019         |
|                    | Used Oil Tank                        | Corroded stairs and railings                         | Repair/replace stairs and railings                             |             |                 | ASAP     | November 2019         |
|                    | PSST Tank                            | Algae and oil leak in sec. containment               | Remove algae, conduct cleanup, verify/repair lines             |             |                 | ASAP     | October 2019          |
|                    | Supply line 8" from the tank farm    | No secondary containment                             | Regular monitoring is required                                 |             |                 | ASAP     | September 2019        |
|                    |                                      | Pieces of corroded metals underneath the supply line | Remove corroded metals and avoid disposing it in water/outfall |             |                 | ASAP     | November 2019         |
|                    | Cylinder and Lube Oil Storage Tanks  | Corroded lines                                       | Repair   |             |                 | ASAP     | November 2019         |
|                    | Used Oil Facility                    | Containment filled with oil and used pads and rags   | Conduct cleanup  |             |                 | ASAP     | December 2019         |
| DEDEDO CT          | Raw Fuel Tank                        | Heavily corroded 2" fuel line                        | Conduct repair   |             |                 | ASAP     | May 2019              |
|                    | OWS Containment                      | Standing water inside                                | Remove water   |             |                 |          | January 2020          |

## Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT  
MONTH OF JANUARY 2020

LEGEND OF TRACKING

Notification Date

Completed

Within Scheduled Remediation

Deadline is Past Due

POWER PLANT

| LOCATIONS        | FINDINGS               |  | RECOMMENDATION/REMARKS               | STATUS                      | RESPONSIBLE | COMPLETION DATE | DUE DATE | INITIAL FINDINGS DATE |
|------------------|------------------------|--|--------------------------------------|-----------------------------|-------------|-----------------|----------|-----------------------|
| MACHECHE CT      | Fuel Storage Tank Area | Corroded tank shells at T-130/140                | Chip corrosion and recoat            |                             |             |                 | ASAP     | October 2015          |
|                  |                        | Level gauge is not working (Tank 140)            | Fix level gauge                      |                             |             |                 | ASAP     | April 2019            |
|                  |                        | Algae buildup at Tank 130 & 140 sec. containmnet | Remove algae                         | Corrective action completed |             | January 2020    | ASAP     | November 2019         |
|                  |                        | Oil on deck at purifier area                     | Identify source of oil leak, rectify | Corrective action completed |             | January 2020    | ASAP     | November 2019         |
| YIGO CT          | Tanks 130 and 140      | Corroded tank shells                             | Chip corrosion & recoat tanks        | Repair/repainting ongoing   |             |                 | ASAP     | February 2019         |
|                  | Tank 120               | Corroded drain line pipe                         | Chip corrosion and recoat            |                             |             |                 | ASAP     | April 2019            |
|                  | Fuel Filtration Area   | Oil present inside fuel filtration area          | Locate source of leak and rectify    | Corrective action completed |             | January 2020    | ASAP     | December 2019         |
|                  | Secondary Containment  | Water inside OWS                                 | Drain water                          |                             |             |                 | ASAP     | January 2020          |
| MANENGGON DIESEL | Pipeline               | Corroded fuel supply pipeline                    | Chip corrosion & recoat              |                             |             |                 | ASAP     | July 2019             |
|                  | Tank No. 2             | Corroded tank shell                              | Chip corrosion & recoat              |                             |             |                 | ASAP     | November 2019         |
|                  | Secondary Containment  | Vegetation growing through cracks                | Remove vegetation and seal cracks    |                             |             |                 | ASAP     | December 2019         |
| TALOFOFO DIESEL  | Fuel Storage Tank Area | Algae present                                    | Remove algae                         |                             |             |                 | ASAP     | January 2020          |
|                  | Facility Area          | Debris in the area due to ongoing engine repair  | Conduct daily cleanup                |                             |             |                 | ASAP     | January 2020          |



## Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT  
MONTH OF JANUARY 2020

LEGEND OF TRACKING

Notification Date

Completed

Within Scheduled Remediation

Deadline is Past Due

POWER PLANT

| LOCATIONS           | FINDINGS                       |   | RECOMMENDATION/REMARKS                  | STATUS                      | RESPONSIBLE | COMPLETION DATE | DUE DATE | INITIAL FINDINGS DATE |
|---------------------|--------------------------------|---|---|-----------------------------|-------------|-----------------|----------|-----------------------|
| TENJO DIESEL        | Tank No. 2                     | Corroded supply pipe                            | Chip corrosion & recoat                 | Corrective action completed |             | January 2020    | ASAP     | July 2019             |
|                     | Tank No. 1                     | Tank support corroded                           | Chip corrosion and recoat               | Corrective action completed |             | January 2020    | ASAP     | December 2019         |
|                     | Storm Drain Area               | Wood pallets and debris stored near storm drain | Schedule disposal of pallets and debris |                             |             |                 | ASAP     | January 2020          |
| PITI #7 POWER PLANT | Main Fuel Tank                 | No integrity testing                            | Integrity testing is required           |                             |             |                 | ASAP     | January 2018          |
|                     | Old Piti Power plant structure | Improper storage of drums and wood pallets      | Move or dispose drums and wood pallets  |                             |             |                 | ASAP     | May 2019              |

## GPA INFORMATION TECHNOLOGY

### OCTOBER 2019

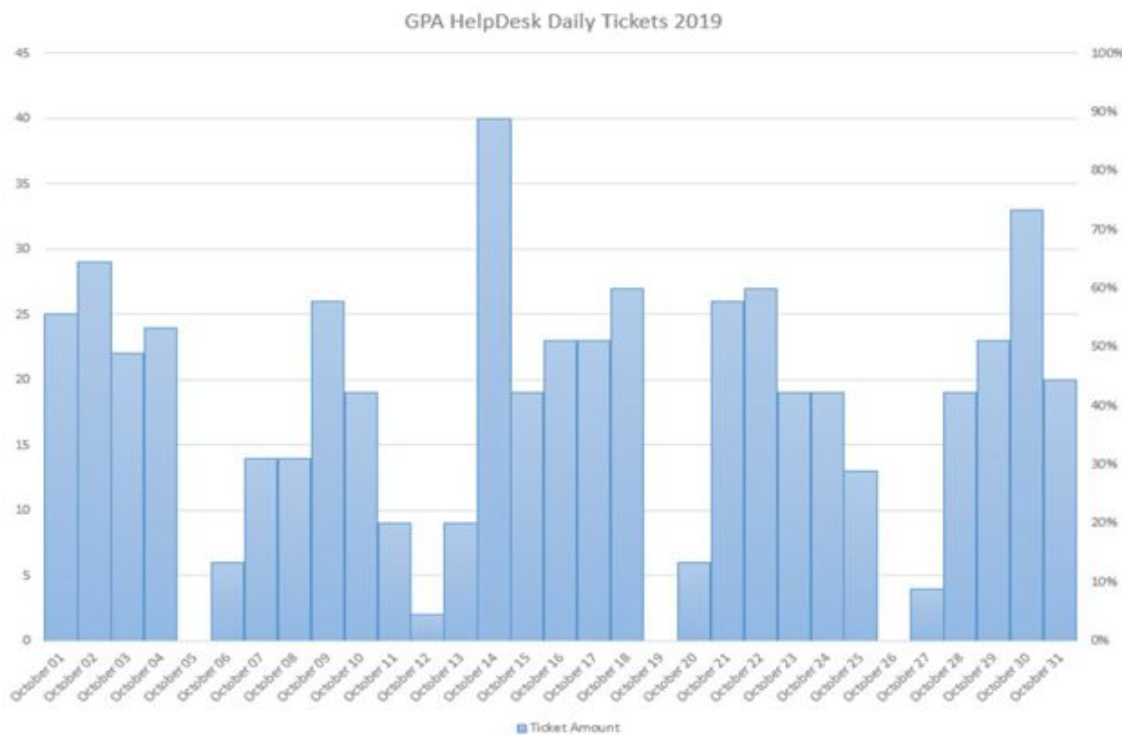
#### **SUMMARY:**

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

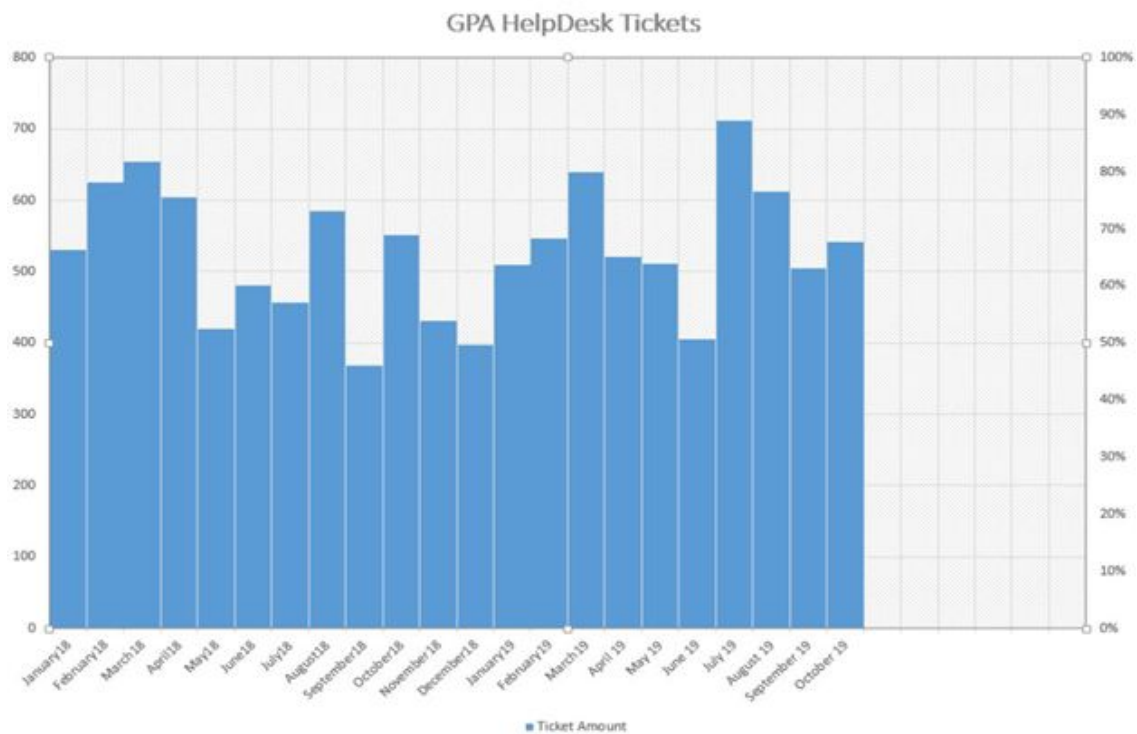
#### **INCIDENT CALL SUMMARY:**

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

#### OCTOBER 2019 TICKETS



## 19 MONTH COMPARATIVE



For October 2019, Computer Services responded to 542 Help Desk calls from GPA internal and external customers. Breakdown as follows:

**RESOLVED TICKETS BY PRIORITY**

| Low | Medium | High | Critical | Total |
|-----|--------|------|----------|-------|
| 273 | 118    | 119  | 1        | 511   |

**RESOLVED TICKET TYPES**

| End User | Hardware | Software | Network | Total |
|----------|----------|----------|---------|-------|
| 413      | 27       | 49       | 22      | 511   |

**RESOLVED TICKETS REPORTED BY ORIGIN**

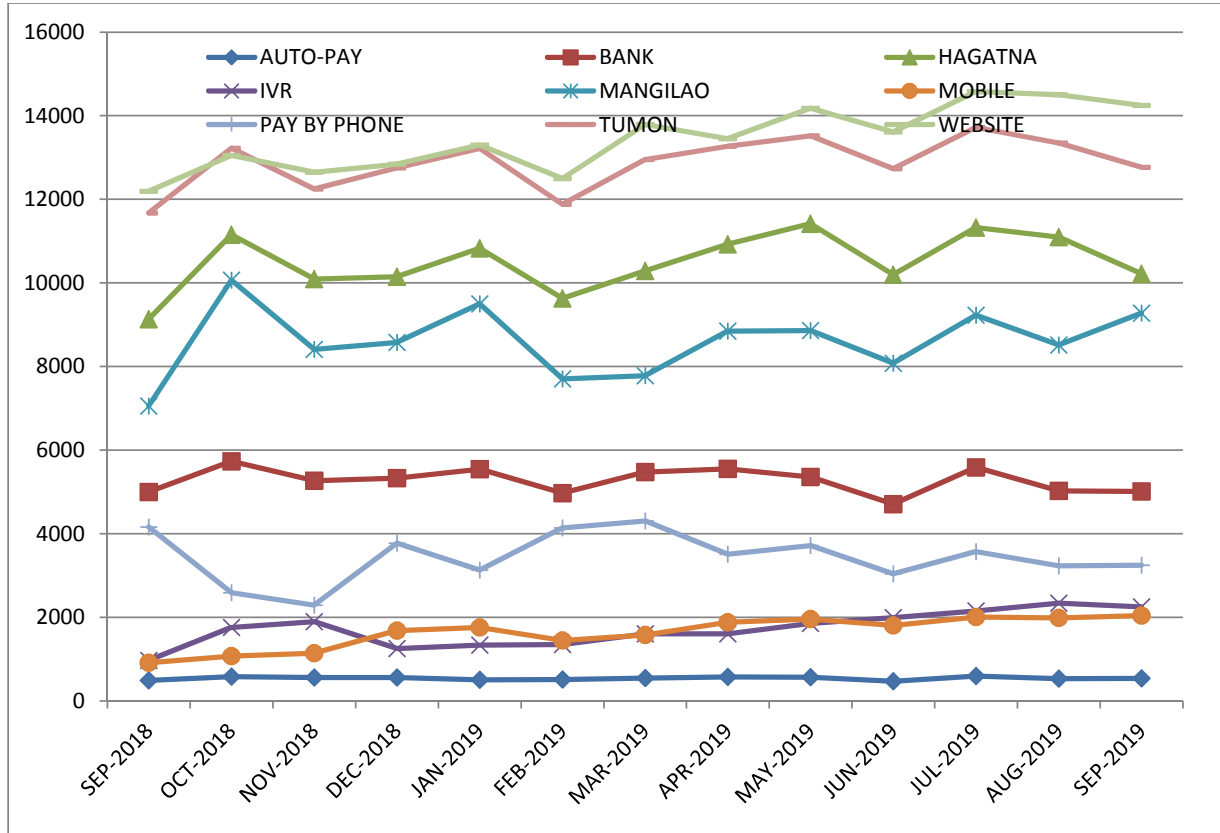
| Phone | E-mail | Internal | Walk-In | Self Service Portal | Radio | Total |
|-------|--------|----------|---------|---------------------|-------|-------|
| 326   | 59     | 113      | 7       | 6                   | 0     | 511   |

**OPEN TICKETS BY PRIORITY**

| Low | Medium | High | Critical | Total |
|-----|--------|------|----------|-------|
| 8   | 8      | 15   | 0        | 31    |

**CC&B PAYMENT SUMMARY TRANSACTIONS:**

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



Payment Transactions by Count:

| Row Labels         | AUTO-PAY    | BANK         | HAGATNA       | IVR          | MANG          | MOBILE       | PAY BY PHONE | TUMON         | WEBSITE       |
|--------------------|-------------|--------------|---------------|--------------|---------------|--------------|--------------|---------------|---------------|
| SEP-2018           | 493         | 4995         | 9127          | 966          | 7050          | 916          | 4158         | 11668         | 12189         |
| OCT-2018           | 582         | 5728         | 11151         | 1755         | 10067         | 1069         | 2587         | 13218         | 13047         |
| NOV-2018           | 558         | 5266         | 10095         | 1893         | 8411          | 1139         | 2290         | 12246         | 12646         |
| DEC-2018           | 562         | 5327         | 10148         | 1254         | 8574          | 1683         | 3775         | 12751         | 12840         |
| JAN-2019           | 506         | 5544         | 10824         | 1333         | 9498          | 1758         | 3127         | 13215         | 13299         |
| FEB-2019           | 513         | 4968         | 9627          | 1346         | 7706          | 1448         | 4140         | 11880         | 12494         |
| MAR-2019           | 546         | 5474         | 10284         | 1608         | 7781          | 1577         | 4305         | 12948         | 13790         |
| APR-2019           | 577         | 5548         | 10926         | 1608         | 8849          | 1882         | 3512         | 13267         | 13448         |
| MAY-2019           | 568         | 5360         | 11415         | 1853         | 8861          | 1957         | 3717         | 13516         | 14179         |
| JUN-2019           | 467         | 4705         | 10193         | 1993         | 8079          | 1806         | 3036         | 12731         | 13609         |
| JUL-2019           | 592         | 5583         | 11327         | 2153         | 9229          | 2006         | 3570         | 13717         | 14576         |
| AUG-2019           | 529         | 5022         | 11096         | 2339         | 8516          | 1983         | 3232         | 13346         | 14505         |
| SEP-2019           | 541         | 5008         | 10219         | 2252         | 9272          | 2042         | 3244         | 12762         | 14245         |
| <b>Grand Total</b> | <b>7034</b> | <b>68528</b> | <b>136432</b> | <b>22353</b> | <b>111893</b> | <b>21266</b> | <b>44693</b> | <b>167265</b> | <b>174867</b> |

**MAJOR APPLICATION ISSUES FOR OCTOBER 2019**

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

ONGOING PROJECT UPDATES:

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

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

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

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

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

***Update: Project is ongoing.***

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

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

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

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

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

Submitted by:

Melvyn Kwek

Chief Information Technology Officer

**Infrared Inspection Worksheet**

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

Top 10 Worst Circuits  
Underground Circuits

## Infrared Inspection Worksheet

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

Top 10 Worst Circuits



GPA Work Session - February 20, 2020 - DIVISION REPORTS

ENGINEERING WORK ORDERS

| Engineering Work Order Summary - January 2020 |     |
|---|-----|
| Work Orders Received from CSR                 | 90  |
| Work Orders Processed & Released to T&D       | 192 |
| Work Orders Processed & Released to CSR       | 47  |
| Work Orders Cancelled                         | 32  |
| Work Orders Pending Survey                    | 29  |
| Total Pending WO at Engineering               | 322 |

| Engineering Large Customer and Net Metering Tracking |   |                         |                              |               |            |   |
|--|---|-------------------------|------------------------------|---------------|------------|---|
| Date Received  | Customer Name   | Work Worder Numbers     | Location                     | KVA           | Meter Qty  | Status  |
| 12/20/2013   | CoreTech International                                      | Multiple                | Dededo                       | 300           | 64         | Lada Estates, 450 kVA, Phase I, II and III are 100% Completed - 308 units energized. Phase IV currently in Construction phase, 50% completed.   |
| 1/27/2015  | TG Engineers  | 422182-85, 90-93, 96-98 | Agana Heights                | 100           | 11         | 10 Unit Apartment, 100 kVA, 80% Completed. Work currently on hold.  |
| 5/13/2015  | CoreTech International Towers, Tower 101, 102, 103, and 104 | 426021                  | Tamuning                     | 3,300         | 45         | New condominiums, 2-1500kVA and 1 300 kVA, Tower 101, 102, 103 and the community center are 100% Completed. Work on Tower 104 is ongoing and is 65% Completed.  |
| 6/1/2017   | New Underground Line (P-047)                                | 466064                  | Tumon                        | 1,500         | 1          | New Underground line 95% completed, Riser terminated. Mandrelling completed on completed sections. T&D started pulling wire and installing splices in August 2019. The Tsubaki Hotel is requesting GPA to hold off on the pending six outages due to their construction schedule. |
| 3/1/2018   | Docomo Pacific Inc., New Data Center                        | Pending Application     | Talofofo                     | 3,000         | 1          | New Data Center. Planned to come off P-260 and P-262. 0% Completed. Still in Design Phase.  |
| 12/13/18   | Simpson, Henry M  | 466907, 8, 466658       | Santa Rita                   |               |            | New Subdivision. Design Ongoing. Demand load pending completion of subdivision design.  |
| 10/10/18   | Don Sadwahni  | 465341                  | Harmon                       | 2,000         | 1          | New Industrial Subdivision, Inspection of civil work only, Proposed 12 Pad Mounted Xfms 92% Completed.  |
| 11/19/18   | TNN Guam Primary Meter                                      | 466064                  | Tumon                        | 1,500         | 1          | Permanent primary meter for Tsubaki Hotel and Nikko Hotel (1500 + 3000kVA Nikko), 95% Completed.  |
| 10/01/19   | Don Don Donkey "Don Quijote" Shopping Center                | Pending Application     | Tamuning                     | 2,000         | 1          | New Shopping Center at the intersection of Route 1 and 10A. Permitting phase.   |
| 12/01/19   | GTA Landing Site  | Pending Application     | Piti                         | 2,000         | 1          | New Landing station, 30% completed, 2000 kVA.   |
| 12/01/19   | New Tiyan Cold Storage (Limtiaco)                           | Pending Application     | Tiyan                        | 2,000         | 1          | New Cold Storage, 10% Completed, Temp Power installed, 2000kVA.   |
| 12/01/19   | Irownwood Villa Del Mar Phase II                            | Pending Application     | Toto                         | 250           | 50         | New 50 Unit Apartment complex, Pending Applications.  |
| Varies   | Pending Net Metering Customers                              | Varies                  | Various Locations Islandwide |               | 1          | Pending Net Metering Customers as of October 31, 2019.  |
| <b>Total</b>   |   |                         |                              | <b>17,950</b> | <b>178</b> |   |

## NET METERING

### January 2020

|             | <u>Quantity</u> | <u>Connected kVA</u> |
|-------------|-----------------|----------------------|
| Completed   | 2,079           | 23,867               |
| Pending     | 2               | 57                   |
| Grand Total | 2,081           | 23,924               |

| Rate Class and Technology |                      |                |           |
|---------------------------|----------------------|----------------|-----------|
| Technology                | Schedule             | Customer Count | Total kW  |
| Solar Energy              | R - Residential      | 1,958          | 18,518.49 |
|                           | J - Gen Service Dmd  | 48             | 2,779.13  |
|                           | K - Small Gov Dmd    | 9              | 317.80    |
|                           | L - Large Government | 2              | 122.80    |
|                           | P - Large Power      | 7              | 640.70    |
|                           | G - Gen Serv Non-Dmd | 46             | 1,405.76  |
|                           | S - Sm Gov Non-Dmd   | 7              | 78.80     |
| Wind Turbine              | R - Residential      | 2              | 3.60      |
| Grand Total               |                      | 2,079          | 23,867.08 |

| Projection Date Ending 12/31/2020 |                  |                                 |                       |                               |
|-----------------------------------|------------------|---------------------------------|-----------------------|-------------------------------|
| Customer Rate Class               | Sum of Size (kW) | *Annual Projected kWh Generated | Non-Fuel Yield \$/kWh | Estimated Annual Revenue Loss |
| R                                 | 18,522.09        | 30,549,869                      | 0.087492              | \$ 2,672,869.97               |
| J                                 | 2,779.13         | 4,591,316                       | 0.125682              | \$ 577,045.92                 |
| K                                 | 317.80           | 518,889                         | 0.133883              | \$ 69,470.44                  |
| L                                 | 122.80           | 203,743                         | 0.129809              | \$ 26,447.73                  |
| P                                 | 640.70           | 1,056,495                       | 0.109950              | \$ 116,161.70                 |
| G                                 | 1,405.76         | 2,328,743                       | 0.145397              | \$ 338,592.37                 |
| S                                 | 78.80            | 125,245                         | 0.147902              | \$ 18,524.03                  |
| Grand Total                       | 23,867.08        | 39,374,301                      |                       | \$ 3,819,112.17               |

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

### Estimated Annual Revenue Loss

| Year | Estimated kWh | *Total Estimated Cost |
|------|---------------|-----------------------|
| 2019 | 36,806,287    | \$ 3,546,649.04       |
| 2018 | 34,981,036    | \$ 3,521,130.12       |
| 2017 | 28,242,917    | \$ 2,828,834.71       |
| 2016 | 21,867,383    | \$ 2,200,794.56       |
| 2015 | 7,383,621     | \$ 856,921.27         |
| 2014 | 3,137,212     | \$ 410,558.94         |
| 2013 | 1,556,949     | \$ 178,996.00         |
| 2012 | 494,672       | \$ 58,545.89          |
| 2011 | 170,070       | \$ 18,177.13          |
| 2010 | 98,830        | \$ 8,483.27           |
| 2009 | 23,912        | \$ 1,656.87           |

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

## NET METERING

January 2020

| Customer Count and Connected kW by Feeder |         |                           |                |                        |                                |
|---|---------|---------------------------|----------------|------------------------|--------------------------------|
| Status                                    | Feeder  | Net Metering Connected kW | Customer Count | % of Feeder Maximum kW | % of Feeder Minimum Daytime kW |
| Completed                                 | P-005   | 302.73                    | 27             | 17.5%                  | 35.2%                          |
|   | P-046   | 290.29                    | 35             | 6.8%                   | 10.4%                          |
|   | P-088   | 731.72                    | 78             | 12.2%                  | 19.2%                          |
|   | P-089   | 627.97                    | 77             | 14.0%                  | 33.8%                          |
|   | P-111   | 190.00                    | 3              | 3.5%                   | 6.2%                           |
|   | P-203   | 553.89                    | 42             | 7.4%                   | 21.0%                          |
|   | P-204   | 150.38                    | 17             | 3.2%                   | 6.6%                           |
|   | P-205   | 44.00                     | 5              | 0.9%                   | 1.6%                           |
|   | P-210   | 612.14                    | 58             | 12.0%                  | 16.2%                          |
|   | P-212   | 1,086.12                  | 105            | 26.3%                  | 68.0%                          |
|   | P-213   | 322.13                    | 13             | 12.3%                  | 16.5%                          |
|   | P-220   | 187.22                    | 21             | 30.7%                  | 96.5%                          |
|   | P-221   | 598.28                    | 61             | 13.6%                  | 27.1%                          |
|   | P-223   | 554.95                    | 60             | 23.3%                  | 33.3%                          |
|   | P-240   | 58.55                     | 2              | 0.9%                   | 7.9%                           |
|   | P-245   | 192.60                    | 4              | 3.8%                   | 8.2%                           |
|   | P-250   | 1,363.06                  | 126            | 21.0%                  | 36.8%                          |
|   | P-251   | 145.50                    | 7              | 5.9%                   | 9.0%                           |
|   | P-253   | 611.03                    | 61             | 13.6%                  | 21.5%                          |
|   | P-262   | 1,144.89                  | 115            | 30.1%                  | 72.1%                          |
|   | P-270   | 482.77                    | 41             | 9.5%                   | 19.1%                          |
|   | P-271   | 323.37                    | 18             | 5.5%                   | 11.7%                          |
|   | P-272   | 280.91                    | 20             | 11.0%                  | 24.9%                          |
|   | P-280   | 371.54                    | 30             | 20.7%                  | 38.4%                          |
|   | P-281   | 204.90                    | 5              | 7.3%                   | 20.4%                          |
|   | P-282   | 31.75                     | 4              | 0.8%                   | 2.6%                           |
|   | P-283   | 666.95                    | 59             | 18.4%                  | 31.6%                          |
|   | P-294   | 1,295.43                  | 122            | 29.9%                  | 59.3%                          |
|   | P-301   | 233.76                    | 24             | 16.5%                  | 29.4%                          |
|   | P-311   | 1,098.11                  | 63             | 27.5%                  | 47.1%                          |
|   | P-322   | 2,108.43                  | 118            | 27.8%                  | 55.2%                          |
|   | P-323   | 316.52                    | 21             | 6.7%                   | 20.8%                          |
|   | P-330   | 689.01                    | 86             | 12.7%                  | 25.5%                          |
|   | P-331   | 827.91                    | 91             | 13.1%                  | 21.2%                          |
|   | P-332   | 687.24                    | 72             | 12.2%                  | 17.8%                          |
|   | P-340   | 560.12                    | 50             | 30.9%                  | 68.0%                          |
|   | P-087   | 1,512.52                  | 151            | 38.5%                  | 60.3%                          |
|   | P-252   | 599.13                    | 32             | 14.2%                  | 29.0%                          |
|   | P-321   | 374.86                    | 35             | 6.7%                   | 7.5%                           |
|   | P-260   | 99.76                     | 10             | 14.5%                  | 49.9%                          |
|   | P-067   | 86.20                     | 10             | 1.0%                   | 1.3%                           |
|   | P-312   | 82.24                     | 5              | 4.9%                   | 5.7%                           |
|   | P-206   | 26.08                     | 3              | 2.7%                   | 4.8%                           |
|   | P-242   | 23.75                     | 2              | 0.4%                   | 1.1%                           |
|   | P-310   | 181.57                    | 8              | 6.6%                   | 12.1%                          |
|   | P-261   | 492.62                    | 53             | 17.8%                  | 30.6%                          |
|   | P-201   | 115.86                    | 10             | 3.3%                   | 5.8%                           |
|   | P-007   | 85.86                     | 8              | 11.9%                  | 25.3%                          |
|   | P-244   | 36.56                     | 2              | 2.1%                   | 2.1%                           |
|   | P-202   | 39.50                     | 3              | 1.2%                   | 2.9%                           |
|   | P-341   | 4.30                      | 1              | 0.4%                   | 1.6%                           |
|   | P-401   | 117.00                    | 2              | 10.3%                  | 17.3%                          |
|   | P-400   | 43.14                     | 3              | 4.5%                   | 4.6%                           |
| Completed Total                           |         | 23,867.08                 | 2,079          |                        |                                |
| pending                                   | P-245   | 50.00                     | 1              | 1.0%                   | 2.1%                           |
|   | Pending | 7.31                      | 1              | 0.0%                   | 0.0%                           |
| pending Total                             |         | 57.31                     | 2              | 1.0%                   | 2.1%                           |
| Grand Total                               |         | 23,924.39                 | 2,081          |                        |                                |

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

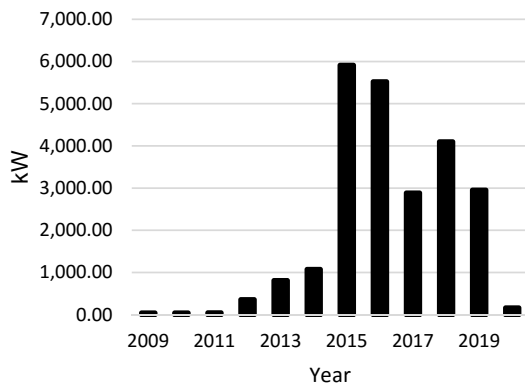
## NET METERING

January 2020

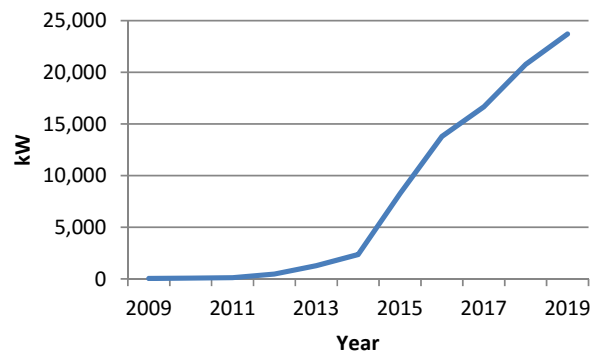
| Installed kW by Year |                  |            |
|----------------------|------------------|------------|
| Year                 | Total            | Cumulative |
| 2009                 | 39.46            | 39.46      |
| 2010                 | 39.20            | 78.66      |
| 2011                 | 41.61            | 120.27     |
| 2012                 | 354.61           | 474.88     |
| 2013                 | 808.15           | 1,283.03   |
| 2014                 | 1,072.04         | 2,355.07   |
| 2015                 | 5,908.91         | 8,263.98   |
| 2016                 | 5,518.63         | 13,782.60  |
| 2017                 | 2,880.40         | 16,663.00  |
| 2018                 | 4,095.63         | 20,758.63  |
| 2019                 | 2,949.09         | 23,707.72  |
| 2020                 | 159.36           | 23,867.08  |
| <b>Grand Total</b>   | <b>23,867.08</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                   | 562          | 764        |
| 2016                   | 530          | 1,294      |
| 2017                   | 297          | 1,591      |
| 2018                   | 291          | 1,882      |
| 2019                   | 186          | 2,068      |
| 2020                   | 11           | 2,079      |
| <b>Grand Total</b>     | <b>2,079</b> |            |

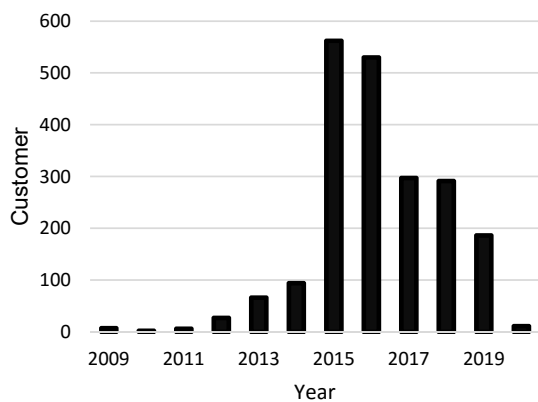
Yearly Installed kW



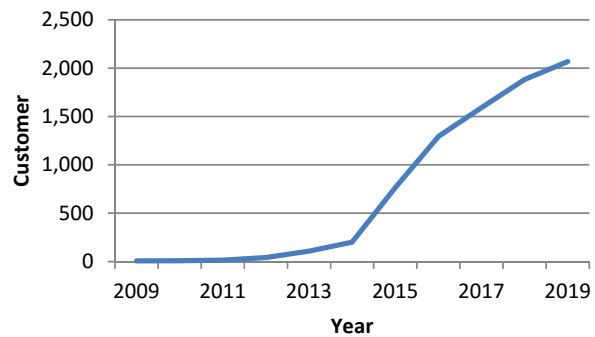
Cumulative Installed kW



Yearly Connected Customer Count



Cumulative Connected Customer Count





**Production Data**  
**31-Jan-20**

| SYSTEM |       |           |                  |                  |         |  |                    |  |   |         |         |
|--------|-------|-----------|------------------|------------------|---------|--|--------------------|--|---|---------|---------|
| YEAR   | MONTH | # of DAYS | GROSS GENERATION | FUEL CONSUMPTION |         | GROSS FUEL EFFICIENCY (Target ≥ 15.99 kWh/gal) | COST per GROSS kWh | GROSS HEAT RATE (Baseloads) PUC Target less than 9,600 | GROSS HEAT RATE (Peaking) PUC Target less than 13,600 | Ave. MW | Peak MW |
|        |       |           |                  | (gal)            | (bbl)   |  |                    |  |   |         |         |
| 2017   | Sept  | 30        | 143,990,208      | 10,309,304       | 245,460 | 13.97  | \$ 0.1152          | 9,541.20   | 13,107.05   | 200     | 254     |
|        | Oct   | 31        | 147,122,071      | 9,774,857        | 232,735 | 15.05  | \$ 0.1079          | 9,590.71   | 11,375.81   | 198     | 254     |
|        | Nov   | 30        | 147,284,781      | 9,783,352        | 232,937 | 15.05  | \$ 0.1061          | 9,563.85   | 11,257.17   | 205     | 253     |
|        | Dec   | 31        | 151,600,064      | 9,925,003        | 236,310 | 15.27  | \$ 0.1122          | 9,607.13   | 11,035.82   | 204     | 250     |
| 2018   | Jan   | 31        | 147,704,057      | 9,563,641        | 227,706 | 15.44  | \$ 0.1078          | 9,755.40   | 11,029.21   | 199     | 246     |
|        | Feb   | 28        | 131,329,470      | 8,660,044        | 206,192 | 15.16  | \$ 0.1150          | 9,763.94   | 11,125.15   | 195     | 241     |
|        | Mar   | 31        | 144,370,550      | 9,889,634        | 235,467 | 14.60  | \$ 0.1345          | 9,183.77   | 11,853.09   | 194     | 244     |
|        | Apr   | 30        | 142,493,891      | 9,636,757        | 229,447 | 14.79  | \$ 0.1232          | 9,558.86   | 11,901.02   | 198     | 247     |
|        | May   | 31        | 151,201,454      | 10,120,017       | 240,953 | 14.94  | \$ 0.1342          | 9,549.70   | 11,703.13   | 203     | 249     |
|        | June  | 30        | 142,902,259      | 9,674,924        | 230,355 | 14.77  | \$ 0.1399          | 9,563.51   | 11,494.36   | 198     | 246     |
|        | July  | 31        | 139,718,862      | 9,726,750        | 231,589 | 14.36  | \$ 0.1468          | 9,647.53   | 11,909.20   | 188     | 242     |
|        | Aug   | 31        | 141,640,237      | 9,834,936        | 234,165 | 14.40  | \$ 0.1437          | 9,817.09   | 13,623.96   | 190     | 238     |
|        | Sept  | 30        | 129,965,486      | 9,303,709        | 221,517 | 13.97  | \$ 0.1526          | 9,383.54   | 13,625.29   | 181     | 240     |
|        | Oct   | 31        | 149,090,501      | 10,752,842       | 256,020 | 13.87  | \$ 0.1592          | 9,870.49   | 12,783.94   | 200     | 243     |
|        | Nov   | 30        | 139,840,706      | 9,348,494        | 222,583 | 14.96  | \$ 0.1446          | 9,772.22   | 12,091.07   | 194     | 241     |
|        | Dec   | 31        | 144,799,157      | 9,756,460        | 232,297 | 14.84  | \$ 0.1497          | 9,443.41   | 11,943.41   | 195     | 237     |
| 2019   | Jan   | 31        | 134,551,799      | 9,056,271        | 215,626 | 14.86  | \$ 0.1172          | 9,677.80   | 11,506.72   | 181     | 224     |
|        | Feb   | 28        | 122,596,954      | 8,257,791        | 196,614 | 14.85  | \$ 0.1152          | 9,592.63   | 11,923.40   | 182     | 226     |
|        | Mar   | 31        | 139,964,506      | 9,489,626        | 225,943 | 14.75  | \$ 0.1309          | 9,586.39   | 12,331.54   | 188     | 234     |
|        | Apr   | 30        | 143,583,892      | 9,385,611        | 223,467 | 15.30  | \$ 0.1249          | 9,597.50   | 11,794.45   | 199     | 244     |
|        | May   | 31        | 154,541,037      | 10,653,233       | 253,648 | 14.51  | \$ 0.1378          | 9,854.93   | 12,008.47   | 208     | 254     |
|        | June  | 30        | 152,035,851      | 10,394,927       | 247,498 | 14.63  | \$ 0.1378          | 9,756.34   | 11,985.93   | 211     | 255     |
|        | July  | 31        | 151,991,559      | 10,148,056       | 241,620 | 14.98  | \$ 0.1230          | 9,789.72   | 11,505.06   | 204     | 251     |
|        | Aug   | 31        | 147,598,476      | 9,960,397        | 237,152 | 14.82  | \$ 0.1259          | 9,622.68   | 11,430.55   | 198     | 253     |
|        | Sept  | 30        | 139,744,390      | 9,678,417        | 230,438 | 14.44  | \$ 0.1259          | 10,019.86  | 11,676.24   | 194     | 243     |
|        | Oct   | 31        | 147,131,892      | 9,789,114        | 233,074 | 15.03  | \$ 0.1294          | 9,742.17   | 12,670.15   | 198     | 247     |
|        | Nov   | 30        | 144,772,854      | 10,312,356       | 245,532 | 14.04  | \$ 0.1437          | 9,631.16   | 12,353.82   | 201     | 245     |
|        | Dec   | 31        | 143,448,641      | 9,483,024        | 225,786 | 15.13  | \$ 0.0993          | 9,649.19   | 11,794.69   | 193     | 236     |
| 2020   | Jan   | 31        | 138,041,863      | 9,188,575        | 218,776 | 15.02  | \$ 0.1286          | 9,706.87   | 11,592.61   | 186     | 227     |

GPA Work Session - February 20, 2020 - 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                   | 16,480                            | 9,561                               | 381%         |
| P322   | 7,265                   | 680                               | 4,800                               | 75%          |
| P330   | 2,635                   | 120                               | 12,599                              | 483%         |
| P087   | 4,245                   | 4,650                             |                                     | 110%         |
| P046   | 1,245                   | 230                               |                                     |              |
| P321   | 4,045                   | 250                               |                                     |              |
| P088   | 3,310                   | 520                               |                                     |              |
| P089   | 670                     | 430                               |                                     | 64%          |
| P331   | 1,925                   | 240                               |                                     | 12%          |
| P323   | 2,810                   |                                   |                                     |              |
| P271   | 50                      | 1,405                             |                                     | 2810%        |
| P270   | 300                     | 1,595                             |                                     | 532%         |
| P245   | 1,660                   | 1,860                             |                                     | 112%         |
| P272   | 150                     | 430                               |                                     | 287%         |
| P111   | 500                     | 475                               |                                     | 95%          |
| P244   | 920                     | 940                               |                                     | 102%         |
| P240   | 430                     | 430                               |                                     | 100%         |
| P242   | 290                     | 160                               |                                     | 55%          |
| Total  | 39,280                  | 30,895                            | 26,960                              | 147%         |

Central Sector

| Feeder | Estimated Distance (LF) | Distance Trimmed by T&D Crew (LF) | Distance Trimmed by Contractor (LF) | % Completion |
|--------|-------------------------|-----------------------------------|-------------------------------------|--------------|
| P250   | 33,290                  | 15,990                            | 10,392                              | 79%          |
| P212   | 17,560                  | 1,685                             |                                     | 10%          |
| P253   | 15,240                  | 1,390                             |                                     |              |
| P283   | 2,230                   | 1,005                             | 7,000                               | 359%         |
| P210   | 10,120                  | 820                               |                                     | 8%           |
| P280   | 1,675                   | 930                               |                                     | 56%          |
| P311   | 1,360                   |                                   |                                     |              |
| P007   | 778                     |                                   |                                     |              |
| P211   | 6,050                   | 170                               |                                     |              |
| P202   | 420                     | 640                               |                                     |              |
| P251   | 280                     |                                   |                                     |              |
| P213   | 3,500                   | 110                               |                                     |              |
| P252   | 1,520                   | 600                               | 4,586                               | 341%         |
| P201   | 100                     | 30                                |                                     |              |
| P203   | 370                     |                                   |                                     |              |
| P282   | 525                     |                                   |                                     |              |
| P310   | 370                     | 100                               |                                     | 27%          |
| P205   | 350                     | 100                               |                                     |              |
| P206   | 140                     | 250                               |                                     |              |
| P204   | 530                     | 20                                |                                     |              |
| P312   | 200                     |                                   |                                     |              |
| P281   | 525                     |                                   |                                     |              |
| P400   | 150                     |                                   |                                     |              |
| Total  | 97,283                  | 23,840                            | 21,978                              | 47%          |

Southern Sector

| Feeder | Estimated Distance (LF) | Distance Trimmed by T&D Crew (LF) | Distance Trimmed by Contractor (LF) | % Completion |
|--------|-------------------------|-----------------------------------|-------------------------------------|--------------|
| P294   | 9,430                   | 2,205                             | 22,801                              | 265%         |
| P261   | 4,930                   | 3,970                             | 9,939                               | 282%         |
| P340   | 13,240                  | 2,060                             | 27,675                              | 225%         |
| P262   | 5,185                   | 1,315                             | 19,236                              | 396%         |
| P221   | 1,570                   | 3,345                             |                                     | 213%         |
| P223   | 2,500                   | 6,315                             |                                     | 253%         |
| P341   | 880                     | 2,315                             | 450                                 | 314%         |
| P301   | 19,915                  | 2,074                             | 1,675                               | 19%          |
| P005   | 990                     | 400                               |                                     | 40%          |
| P220   | 1,250                   | 580                               |                                     | 46%          |
| P260   | 12,630                  | 2,650                             |                                     | 21%          |
| Total  | 72,520                  | 27,229                            | 81,776                              | 150%         |



# 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 December 2019

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

### Summary

The increase in net assets for the month ended was \$1.9 million as compared to the anticipated net increase of \$1.0 million projected at the beginning of the year. The total kWh sales for the year were 4.72% less than projected and non-fuel revenues were \$0.3 million less than the estimated amount. O & M expenses for the month were \$5.4 million which was \$0.3 million less than our projections for this year. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$3.1 million, which was right in line with the projected amounts. There were no other significant departures from the budget during the period.

### Analysis

| Description                             | Previous Month | Current Month | Target      |
|---|----------------|---------------|-------------|
| Quick Ratio                             | 2.31           | 2.59          | 2           |
| Days in Receivables                     | 43             | 47            | 52          |
| Days in Payables                        | 42             | 27            | 30          |
| LEAC (Over)/Under Recovery Balance -YTD | \$7,887,109    | \$6,472,638   | \$9,628,107 |
| T&D Losses                              | 5.33%          | 5.36%         | <7.00%      |
| Debt Service Coverage                   | 1.62           | 1.60          | 1.75        |
| Long-term equity ratio                  | 1.24%          | 1.58%         | 30 – 40%    |
| Days in Cash                            | 230            | 208           | 60          |

The Quick Ratio has been a challenge for GPA historically. However, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately \$75 million and approximately \$193 million in cash and current receivables. The LEAC over-recovery for the month was \$1.4 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

**Financial Statements  
December 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<br>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)<br>Statements of Net Position<br>December 31, 2019 and September 30, 2019 |                               |                                |                                |
|--|-------------------------------|--------------------------------|--------------------------------|
|  | Unaudited<br>December<br>2019 | Unaudited<br>September<br>2019 | Change from<br>Sept 30<br>2019 |
| <b>ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>   |                               |                                |                                |
| Current assets:  |                               |                                |                                |
| Cash and cash equivalents:   |                               |                                |                                |
| Held by trustee for restricted purposes:   |                               |                                |                                |
| Interest and principal funds   | \$ 14,845,657                 | \$ 33,053,886                  | \$ (18,208,229)                |
| Bond indenture funds   | 27,550,713                    | 29,168,116                     | (1,617,403)                    |
| Held by Guam Power Authority:  |                               |                                |                                |
| Bond indenture funds   | 142,047,720                   | 154,027,791                    | (11,980,071)                   |
| Self insurance fund-restricted   | 19,426,795                    | 19,378,387                     | 48,408                         |
| Energy sense fund  | 357,473                       | 333,528                        | 23,945                         |
| Total cash and cash equivalents  | <u>204,228,358</u>            | <u>235,961,708</u>             | <u>(31,733,350)</u>            |
| Accounts receivable, net   | <u>48,883,272</u>             | <u>41,867,589</u>              | <u>7,015,683</u>               |
| Total current receivables  | <u>48,883,272</u>             | <u>41,867,589</u>              | <u>7,015,683</u>               |
| Materials and supplies inventory   | 13,488,176                    | 12,521,306                     | 966,870                        |
| Fuel inventory   | 46,200,703                    | 41,214,022                     | 4,986,681                      |
| Prepaid expenses   | <u>8,834,546</u>              | <u>2,066,278</u>               | <u>6,768,268</u>               |
| Total current assets   | <u>321,635,055</u>            | <u>333,630,903</u>             | <u>(11,995,848)</u>            |
| Utility plant, at cost:  |                               |                                |                                |
| Electric plant in service  | 1,085,112,328                 | 1,084,434,067                  | 678,261                        |
| Construction work in progress  | 42,336,837                    | 37,592,719                     | 4,744,118                      |
| Total  | <u>1,127,449,165</u>          | <u>1,122,026,786</u>           | <u>5,422,379</u>               |
| Less: Accumulated depreciation   | <u>(641,649,553)</u>          | <u>(633,190,295)</u>           | <u>(8,459,258)</u>             |
| Total utility plant  | <u>485,799,612</u>            | <u>488,836,491</u>             | <u>(3,036,879)</u>             |
| Other non-current assets:  |                               |                                |                                |
| Investment - bond reserve funds held by trustee  | 48,554,310                    | 48,599,853                     | (45,543)                       |
| Unamortized debt issuance costs  | <u>2,154,074</u>              | <u>2,221,160</u>               | <u>(67,086)</u>                |
| Total other non-current assets   | <u>50,708,384</u>             | <u>50,821,013</u>              | <u>(112,629)</u>               |
| Total assets   | <u>858,143,051</u>            | <u>873,288,407</u>             | <u>(15,145,356)</u>            |
| Deferred outflow of resources:   |                               |                                |                                |
| Deferred fuel revenue  | 6,472,638                     | 9,943,732                      | (3,471,094)                    |
| Unamortized loss on debt refunding   | 24,163,014                    | 24,733,104                     | (570,090)                      |
| Pension  | 8,932,987                     | 8,932,987                      | 0                              |
| Other post employment benefits   | 13,798,017                    | 13,798,017                     | 0                              |
| Unamortized forward delivery contract costs  | <u>278,798</u>                | <u>318,638</u>                 | <u>(39,840)</u>                |
| Total deferred outflows of resources   | <u>53,645,454</u>             | <u>57,726,478</u>              | <u>(4,081,024)</u>             |
|  | <u>\$ 911,788,505</u>         | <u>\$ 931,014,885</u>          | <u>\$ (19,226,380)</u>         |

| GUAM POWER AUTHORITY<br>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)<br>Statement of Net Position, Continued<br>December 31, 2019 and September 30, 2019 |                               |                                |                                |
|--|-------------------------------|--------------------------------|--------------------------------|
|  | Unaudited<br>December<br>2019 | Unaudited<br>September<br>2019 | Change from<br>Sept 30<br>2019 |
| LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION  |                               |                                |                                |
| Current liabilities:   |                               |                                |                                |
| Current maturities of long-term debt   | \$ 20,515,000                 | \$ 16,130,000                  | \$ 4,385,000                   |
| Current obligations under capital leases   | 3,304,531                     | 3,304,531                      | 0                              |
| Accounts payable   |                               |                                |                                |
| Operations   | 30,666,221                    | 27,385,427                     | 3,280,793                      |
| Others   | 320,455                       | 23,036                         | 297,420                        |
| Accrued payroll and employees' benefits  | 1,638,781                     | 2,348,815                      | (710,034)                      |
| Current portion of employees' annual leave   | 2,197,564                     | 2,153,583                      | 43,981                         |
| Interest payable   | 7,313,262                     | 14,733,265                     | (7,420,003)                    |
| Customer deposits  | 8,560,103                     | 8,912,096                      | (351,993)                      |
| <b>Total current liabilities</b>   | <b>74,515,917</b>             | <b>74,990,753</b>              | <b>(474,836)</b>               |
| Regulatory liabilities:  |                               |                                |                                |
| Provision for self insurance   | 19,345,291                    | 19,345,291                     | 0                              |
| <b>Total regulatory liabilities</b>  | <b>19,345,291</b>             | <b>19,345,291</b>              | <b>0</b>                       |
| Long term debt, net of current maturities  | 563,433,290                   | 584,892,990                    | (21,459,700)                   |
| Obligations under capital leases, net of current portion   | 5,596,382                     | 7,664,664                      | (2,068,282)                    |
| Net Pension liability  | 72,052,191                    | 72,866,989                     | (814,798)                      |
| Other post employment benefits liability   | 145,955,861                   | 145,955,861                    | 0                              |
| DCRS sick leave liability  | 1,331,151                     | 1,331,151                      | 0                              |
| Employees' annual leave net of current portion   | 1,204,085                     | 1,204,085                      | 0                              |
| Customer advances for construction   | 389,808                       | 394,540                        | (4,732)                        |
| <b>Total liabilities</b>   | <b>883,823,976</b>            | <b>908,646,324</b>             | <b>(24,822,348)</b>            |
| Deferred inflows of resources:   |                               |                                |                                |
| Unearned forward delivery contract revenue   | 1,022,031                     | 1,168,036                      | (146,005)                      |
| Pension  | 3,532,642                     | 3,532,642                      | 0                              |
| Other post employment benefits   | 14,804,043                    | 14,804,043                     | 0                              |
| <b>Total deferred inflows of resources</b>   | <b>19,358,716</b>             | <b>19,504,721</b>              | <b>(146,005)</b>               |
| Commitments and contingencies  |                               |                                |                                |
| Net Position:  |                               |                                |                                |
| Net investment in capital assets   | (31,334,376)                  | (45,782,266)                   | 14,447,890                     |
| Restricted   | 27,090,879                    | 51,357,358                     | (24,266,479)                   |
| Unrestricted   | 12,849,309                    | (2,711,253)                    | 15,560,562                     |
| <b>Total net position</b>  | <b>8,605,812</b>              | <b>2,863,840</b>               | <b>5,741,974</b>               |
|  | <b>\$ 911,788,505</b>         | <b>\$ 931,014,885</b>          | <b>\$ (19,226,380)</b>         |

| GUAM POWER AUTHORITY<br>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)<br>Statement of Revenues, Expenses and Changes in Net Assets |                   |                   |                             |                                      |                   |                             |
|---|-------------------|-------------------|-----------------------------|--------------------------------------|-------------------|-----------------------------|
|   | December 31       |                   | % of<br>change<br>Inc (dec) | Three months<br>Ended<br>December 31 |                   | % of<br>change<br>Inc (dec) |
|   | Unaudited<br>2019 | Unaudited<br>2018 |                             | Unaudited<br>2019                    | Unaudited<br>2018 |                             |
| Revenues  |                   |                   |                             |                                      |                   |                             |
| Sales of electricity  | \$ 32,912,856     | \$ 33,436,004     | (2)                         | \$ 98,963,996                        | \$ 101,464,636    | (2)                         |
| Miscellaneous   | (58,717)          | 124,046           | (147)                       | 223,718                              | 764,470           | (71)                        |
| Total   | 32,854,139        | 33,560,050        | (2)                         | 99,187,714                           | 102,229,106       | (3)                         |
| Bad debt expense  | (90,917)          | (91,500)          | (1)                         | (272,751)                            | (274,500)         | (1)                         |
| Total revenues  | 32,763,222        | 33,468,550        | (2)                         | 98,914,963                           | 101,954,606       | (3)                         |
| Operating and maintenance expenses  |                   |                   |                             |                                      |                   |                             |
| Production fuel   | 19,697,132        | 19,968,778        | (1)                         | 58,950,492                           | 61,229,809        | (4)                         |
| Other production  | 1,184,623         | 1,250,738         | (5)                         | 3,890,901                            | 3,660,815         | 6                           |
|   | 20,881,755        | 21,219,516        | (2)                         | 62,841,393                           | 64,890,624        | (3)                         |
| Depreciation  | 2,913,848         | 2,549,294         | 14                          | 9,116,484                            | 9,884,395         | (8)                         |
| Energy conversion cost  | 1,002,901         | 1,472,122         | (32)                        | 3,030,913                            | 4,220,973         | (28)                        |
| Transmission & distribution   | 1,093,088         | 817,614           | 34                          | 3,153,830                            | 2,533,312         | 24                          |
| Customer accounting   | 449,294           | 422,021           | 6                           | 1,325,383                            | 1,209,983         | 10                          |
| Administrative & general  | 2,641,815         | 2,179,650         | 21                          | 7,804,240                            | 7,509,572         | 4                           |
| Total operating and maintenance expenses  | 28,982,701        | 28,660,217        | 1                           | 87,272,243                           | 90,248,859        | (3)                         |
| Operating income  | 3,780,521         | 4,808,333         | (21)                        | 11,642,720                           | 11,705,747        | (1)                         |
| Other income (expenses)   |                   |                   |                             |                                      |                   |                             |
| Interest income   | 345,894           | 368,160           | (6)                         | 875,982                              | 885,203           | (1)                         |
| Interest expense and amortization   | (2,328,876)       | (2,394,985)       | (3)                         | (6,958,895)                          | (7,178,289)       | (3)                         |
| Bond issuance costs   | 89,228            | 88,022            | 1                           | 267,684                              | 263,066           | 2                           |
| Bid bond forfeiture   | 0                 | (1,245,000)       | 0                           | 0                                    | (1,245,000)       | 0                           |
| Allowance for funds used during construction  | 0                 | 0                 | 0                           | 0                                    | 0                 | 0                           |
| Losses due to typhoon   | (72,646)          | 0                 | 0                           | (72,646)                             | (215,691)         | 0                           |
| Other expense   | (4,291)           | (4,291)           | 0                           | (12,873)                             | (12,873)          | 0                           |
|   | 0                 | 0                 |                             |                                      |                   |                             |
| Total other income (expenses)   | (1,970,691)       | (3,188,094)       | (38)                        | (5,900,748)                          | (7,503,584)       | (21)                        |
| Income (loss) before capital contributions  | 1,809,830         | 1,620,239         | 12                          | 5,741,972                            | 4,202,163         | 37                          |
| Capital contributions   | 0                 | 0                 | 0                           | 0                                    | 0                 | 0                           |
| Increase (decrease) in net assets   | 1,809,830         | 1,620,239         | 12                          | 5,741,972                            | 4,202,163         | 37                          |
| Total net assets at beginning of period (restated)  | 6,795,982         | (15,726,726)      | 0                           | 2,863,840                            | (18,308,650)      | (116)                       |
| Total net assets at end of period   | \$ 8,605,812      | \$ (14,106,487)   | (161)                       | \$ 8,605,812                         | \$ (14,106,487)   | (161)                       |

**GUAM POWER AUTHORITY**  
**(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)**  
**Statements of Cash Flows**  
**Period Ended December 31, 2019**

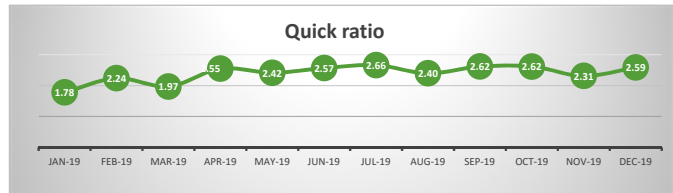
|  | Month Ended<br>12/31/2019 | YTD Ended<br>12/31/2019 |
|--|---------------------------|-------------------------|
| <b>Increase(decrease) in cash and cash equivalents</b>                     |                           |                         |
| Cash flows from operating activities:                                      |                           |                         |
| Cash received from customers   | \$29,348,510              | \$ 91,850,126           |
| Cash payments to suppliers and employees<br>for goods and services         | <u>41,303,351</u>         | <u>84,927,462</u>       |
| Net cash provided by operating activities                                  | (\$11,954,841)            | 6,922,664               |
| Cash flows from investing activities:                                      |                           |                         |
| Interest and dividends on investments and<br>bank accounts                 | <u>345,894</u>            | <u>875,982</u>          |
| Net cash provided by investing activities                                  | 345,894                   | 875,982                 |
| Cash flows from non-capital financing activities                           |                           |                         |
| Interest paid on short term debt   | (12,686)                  | (211,380)               |
| Provision for self insurance funds   | <u>(48,408)</u>           | <u>(48,408)</u>         |
| Net cash provided by noncapital financing activities                       | (61,094)                  | (259,788)               |
| Cash flows from capital and related financing activities                   |                           |                         |
| Acquisition of utility plant   | (3,039,516)               | (6,079,604)             |
| Principal paid on bonds and other long-term debt                           | -                         | (16,130,000)            |
| Interest paid on bonds(net of capitalized interest)                        | -                         | (14,014,000)            |
| Interest paid on capital lease obligations                                 | (66,304)                  | (153,518)               |
| Interest & principal funds held by trustee                                 | (3,978,313)               | 18,208,229              |
| Reserve funds held by trustee  | (31,370)                  | 45,543                  |
| Bond funds held by trustee   | 480,440                   | 1,617,403               |
| Principal payment on capital lease obligations                             | (692,296)                 | (2,068,282)             |
| Debt issuance costs/loss on defeasance                                     | (314,900)                 | (944,700)               |
| Net cash provided by (used in) capital and related<br>financing activities | <u>(7,642,259)</u>        | <u>(19,518,929)</u>     |
| Net (decrease) increase in cash and cash equivalents                       | (19,312,300)              | (11,980,071)            |
| Cash and cash equivalents, beginning                                       | <u>161,360,020</u>        | <u>154,027,791</u>      |
| <b>Cash and cash equivalents-Funds held by GPA, December 31, 2019</b>      | <b>\$ 142,047,720</b>     | <b>\$ 142,047,720</b>   |

| <b>GUAM POWER AUTHORITY</b><br><b>(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)</b><br><b>Statements of Cash Flows, continued</b><br><b>Period Ended December 31, 2019</b> |                           |                         |
|---|---------------------------|-------------------------|
|   | Month Ended<br>12/31/2019 | YTD Ended<br>12/31/2019 |
| <b>Reconciliation of operating earnings to net cash provided by operating activities:</b>   |                           |                         |
| Operating earnings net of depreciation expense and excluding interest income  | \$3,776,957               | \$11,642,720            |
| Adjustments to reconcile operating earnings to net cash provided by operating activities:   |                           |                         |
| Depreciation and amortization   | 2,913,848                 | 9,116,484               |
| Other expense   | 12,291                    | 182,165                 |
| (Increase) decrease in assets:  |                           |                         |
| Accounts receivable   | (3,395,321)               | (7,015,683)             |
| Materials and inventory   | (1,075,977)               | (966,870)               |
| Fuel inventory  | 1,691,190                 | (4,986,681)             |
| Prepaid expenses  | 573,371                   | (6,768,268)             |
| Unamortized debt issuance cost  | 22,362                    | 67,086                  |
| Deferred fuel revenue   | 1,414,471                 | 3,471,094               |
| Unamortized loss on debt refunding  | 190,030                   | 570,090                 |
| Unamortized forward delivery contract costs   | 13,280                    | 39,840                  |
| Increase (decrease) in liabilities:   |                           |                         |
| Accounts payable-operations   | (17,681,535)              | 3,280,793               |
| Accounts payable-others   | (96,501)                  | 273,475                 |
| Accrued payroll and employees' benefits   | 203,445                   | (710,034)               |
| Net pension liability   | (275,989)                 | (814,798)               |
| Employees' annual leave   | (30,347)                  | 43,981                  |
| Customers deposits  | (161,748)                 | (351,993)               |
| Customer advances for construction  | -                         | (4,732)                 |
| Unearned forward delivery contract revenue  | (48,668)                  | (146,005)               |
| <b>Net cash provided by operating activities</b>  | <b>(\$11,954,841)</b>     | <b>\$ 6,922,664</b>     |

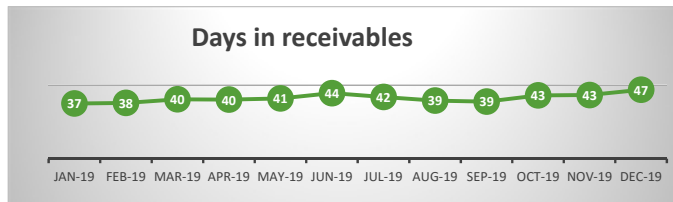
**Guam Power Authority  
Financial Analysis  
12/31/19**

**Quick Ratio**

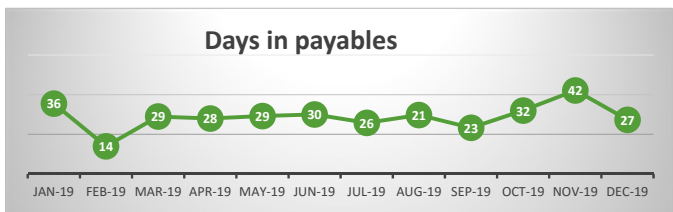
|   |                             |             |
|---|-----------------------------|-------------|
| A | Reserve Funds Held by GPA   | 142,047,720 |
| B | Current Accounts Receivable | 50,754,899  |
| C | Total Cash and A/R (A+B)    | 192,802,619 |
| D | Total Current Liabilities   | 74,515,917  |
| E | <b>Quick Ratio (F/G)</b>    | <b>2.59</b> |

**Days in Receivables**

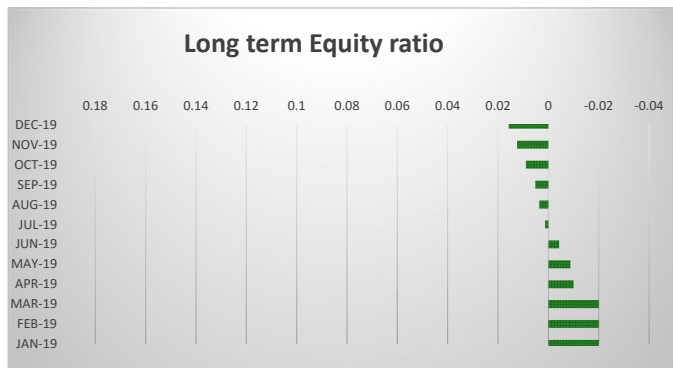
|   |                                  |             |
|---|----------------------------------|-------------|
| A | FY 19 Moving 12 Mos.-Actual      | 397,232,172 |
| B | No. of Days                      | 365         |
| C | Average Revenues per day (A/B)   | 1,088,307   |
| D | Current Accounts Receivable      | 50,754,899  |
| E | <b>Days in Receivables (D/C)</b> | <b>47</b>   |

**Days in Payables**

|   |                                |             |
|---|--------------------------------|-------------|
| A | FY 19 Moving 12 Months-Actual  | 413,446,528 |
| B | No. of Days                    | 365         |
| C | Average Payables per day (A/B) | 1,132,730   |
| D | Current Accounts Payables      | 30,986,676  |
| E | <b>Days in Payables (D/C)</b>  | <b>27</b>   |

**Long term equity ratio**

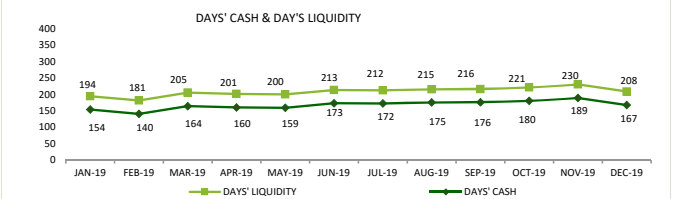
|   |                                     |                   |
|---|-------------------------------------|-------------------|
| A | Equity                              | \$ 8,605,812.00   |
| B | Total Long term Liability           | \$ 536,762,498.00 |
| C | Total Equity and liability          | \$ 545,368,310.00 |
| D | <b>Long term equity ratio (A/C)</b> | <b>1.58%</b>      |

**Days cash on hand**

|   |   |            |
|---|---|------------|
| A | Unrestricted cash & cash equivalents            | 142,048    |
| B | No. of Days -YTD                                | 92         |
| C | A x B   | 13,068,390 |
| D | Total Operating expenses excluding depreciation | 78,155     |
| E | <b>Days cash on hand</b>                        | <b>167</b> |

**Days' Liquidity**

|   |   |            |
|---|---|------------|
| A | Unrestricted cash , cash equivalents & revolving Credit | 177,048    |
| B | No. of Days -YTD  | 92         |
| C | A x B   | 16,288,390 |
| D | Total Operating expenses excluding depreciation         | 78,155     |
| E | <b>Days liquidity</b>                                   | <b>208</b> |



| GPA 302                     |                    | GUAM POWER AUTHORITY<br>ACCRUED REVENUE<br>DECEMBER 2019 |                    |                                |                    |
|-----------------------------|--------------------|--|--------------------|--------------------------------|--------------------|
|                             |                    | FOR THE MONTH ENDED<br>DECEMBER                          |                    | THREE MONTHS ENDED<br>DECEMBER |                    |
|                             |                    | 2019   | 2018               | 2019                           | 2018               |
| <b>KWH SALES:</b>           |                    |  |                    |                                |                    |
| Residential                 |                    | 41,139,080   | 41,291,151         | 124,979,220                    | 124,634,320        |
| Small Gen. Non Demand       |                    | 5,151,158  | 6,871,789          | 16,111,373                     | 20,371,824         |
| Small Gen. Demand           |                    | 16,007,245   | 15,425,672         | 48,748,270                     | 46,112,669         |
| Large General               |                    | 25,153,208   | 25,790,483         | 75,407,283                     | 76,803,303         |
| Independent Power Producer  |                    | 34,266   | 28,494             | 97,342                         | 94,886             |
| Private St. Lights          |                    | 31,725   | 33,401             | 99,353                         | 100,916            |
|                             | Sub-total          | 87,516,681   | 89,440,990         | 265,442,842                    | 268,117,917        |
| <b>Government Service:</b>  |                    |  |                    |                                |                    |
| Small Non Demand            |                    | 732,098  | 1,218,540          | 2,250,625                      | 3,533,772          |
| Small Demand                |                    | 8,610,483  | 8,107,721          | 25,828,484                     | 23,851,095         |
| Large                       |                    | 5,917,603  | 6,098,140          | 18,422,481                     | 18,350,931         |
| * Street Lighting           |                    | 270,787  | 805,684            | 1,788,025                      | 2,370,632          |
|                             | Sub-total          | 15,530,972   | 16,230,084         | 48,289,616                     | 48,106,430         |
|                             | Total              | 103,047,653  | 105,671,074        | 313,732,458                    | 316,224,348        |
| U. S. Navy                  |                    | 25,910,039   | 26,518,827         | 76,599,126                     | 77,991,690         |
|                             | <b>GRAND TOTAL</b> | <b>128,957,692</b>                                       | <b>132,189,902</b> | <b>390,331,584</b>             | <b>394,216,038</b> |
| <b>REVENUE:</b>             |                    |  |                    |                                |                    |
| Residential                 |                    | 10,333,720   | 10,347,514         | 31,319,319                     | 31,231,747         |
| Small Gen. Non Demand       |                    | 1,544,644  | 2,002,603          | 4,788,160                      | 5,937,256          |
| Small Gen. Demand           |                    | 4,451,665  | 4,234,344          | 13,436,022                     | 12,627,628         |
| Large General               |                    | 6,436,132  | 6,618,506          | 19,390,231                     | 19,700,887         |
| Independent Power Producer  |                    | 9,864  | 7,355              | 26,341                         | 26,561             |
| Private St. Lights          |                    | 25,341   | 25,860             | 77,083                         | 78,082             |
|                             | Sub-total          | 22,801,366   | 23,236,182         | 69,037,156                     | 69,602,160         |
| <b>Government Service:</b>  |                    |  |                    |                                |                    |
| Small Non Demand            |                    | 232,560  | 373,332            | 714,906                        | 1,076,914          |
| Small Demand                |                    | 2,461,603  | 2,372,119          | 7,422,829                      | 6,872,204          |
| Large                       |                    | 1,642,284  | 1,688,786          | 5,106,030                      | 5,069,721          |
| * Street Lighting           |                    | 342,012  | 498,967            | 1,304,793                      | 1,473,186          |
|                             | Sub-total          | 4,678,460  | 4,933,204          | 14,548,558                     | 14,492,025         |
|                             | Total              | 27,479,826   | 28,169,387         | 83,585,714                     | 84,094,185         |
| U. S. Navy                  |                    | 5,433,030  | 5,266,617          | 15,378,282                     | 17,370,451         |
|                             | <b>GRAND TOTAL</b> | <b>32,912,856</b>  | <b>33,436,004</b>  | <b>98,963,996</b>              | <b>101,464,636</b> |
| <b>NUMBER OF CUSTOMERS:</b> |                    |  |                    |                                |                    |
| Residential                 |                    | 44,203   | 43,920             | 44,463                         | 43,969             |
| Small Gen. Non Demand       |                    | 3,953  | 4,166              | 4,045                          | 4,175              |
| Small Gen. Demand           |                    | 1,079  | 987                | 1,082                          | 984                |
| Large General               |                    | 120  | 118                | 120                            | 118                |
| Independent Power Producer  |                    | 2  | 2                  | 2                              | 2                  |
| Private St. Lights          |                    | 517  | 523                | 516                            | 525                |
|                             | Sub-total          | 49,874   | 49,716             | 50,229                         | 49,773             |
| <b>Government Service:</b>  |                    |  |                    |                                |                    |
| Small Non Demand            |                    | 644  | 683                | 644                            | 679                |
| Small Demand                |                    | 384  | 360                | 383                            | 346                |
| Large                       |                    | 44   | 47                 | 44                             | 44                 |
| Street Lighting             |                    | 618  | 628                | 618                            | 628                |
|                             | Sub-total          | 1,690  | 1,718              | 1,690                          | 1,697              |
|                             | Total              | 51,564   | 51,434             | 51,919                         | 51,470             |
| US Navy                     |                    | 1  | 1                  | 1                              | 1                  |
|                             |                    | <b>51,565</b>  | <b>51,435</b>      | <b>51,920</b>                  | <b>51,471</b>      |

\* Government Street Lighting KWH and Revenues were low for the month of December due to DPW Accounts adjustments per GIS Street Light counts Reconciliation As of October 1, 2019

GPA Work Session - February 20, 2020 - DIVISION REPORTS

| GPA403                      |                         | GUAM POWER AUTHORITY<br>ACCRUED REVENUE |                  |                 |                   |                |              |              |             |               |               |                  |                 |
|-----------------------------|-------------------------|---|------------------|-----------------|-------------------|----------------|--------------|--------------|-------------|---------------|---------------|------------------|-----------------|
|                             | TWELVE<br>MONTHS ENDING | DECEMBER<br>2019                        | NOVEMBER<br>2019 | OCTOBER<br>2019 | SEPTEMBER<br>2019 | AUGUST<br>2019 | JULY<br>2019 | JUNE<br>2019 | MAY<br>2019 | APRIL<br>2019 | MARCH<br>2019 | FEBRUARY<br>2019 | JANUARY<br>2019 |
| <b>KWH SALES:</b>           |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Residential                 | 497,117,527             | 41,139,080                              | 41,832,586       | 42,007,555      | 39,850,588        | 41,847,978     | 45,512,584   | 46,454,816   | 45,901,332  | 42,026,049    | 40,399,698    | 33,484,048       | 36,661,215      |
| Small General Non Demand    | 71,840,500              | 5,151,158                               | 5,409,659        | 5,550,556       | 5,281,337         | 5,043,909      | 6,192,199    | 7,135,817    | 6,785,836   | 7,066,118     | 6,549,399     | 5,421,847        | 6,252,665       |
| Small General Demand        | 190,275,675             | 16,007,245                              | 16,236,716       | 16,504,309      | 16,034,273        | 16,546,802     | 17,132,421   | 16,196,923   | 16,473,837  | 15,551,604    | 15,250,813    | 13,414,678       | 14,926,054      |
| Large General               | 299,882,909             | 25,153,208                              | 24,973,240       | 25,280,835      | 24,400,150        | 25,901,704     | 25,960,590   | 25,905,882   | 25,831,230  | 24,717,184    | 24,793,966    | 22,118,423       | 24,846,497      |
| Private Outdoor Lighting    | 394,896                 | 31,725                                  | 33,968           | 33,660          | 32,707            | 34,326         | 31,882       | 34,779       | 33,473      | 30,560        | 32,171        | 32,766           | 32,878          |
| Independent Power Producer  | 400,713                 | 34,266                                  | 33,926           | 29,151          | 47,591            | 31,920         | 34,342       | 33,644       | 31,329      | 28,130        | 34,407        | 25,891           | 36,117          |
| Sub-Total                   | 1,059,912,220           | 87,516,681                              | 88,520,094       | 89,406,066      | 85,646,645        | 89,406,638     | 94,864,018   | 95,761,862   | 95,057,036  | 89,419,645    | 87,060,454    | 74,497,653       | 82,755,426      |
| <b>Government Service:</b>  |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Small Non Demand            | 11,487,208              | 732,098                                 | 739,934          | 778,594         | 733,348           | 792,642        | 745,870      | 1,225,034    | 1,265,906   | 1,195,401     | 1,192,582     | 1,019,279        | 1,066,520       |
| Small Demand                | 99,878,451              | 8,610,483                               | 8,287,162        | 8,930,840       | 8,706,945         | 8,790,473      | 8,806,768    | 7,970,826    | 8,650,402   | 8,019,578     | 8,144,760     | 7,207,579        | 7,752,635       |
| Large                       | 72,058,928              | 5,917,603                               | 6,140,795        | 6,364,082       | 6,031,079         | 6,328,596      | 6,026,050    | 5,952,146    | 6,344,614   | 5,914,002     | 5,983,823     | 5,273,740        | 5,782,397       |
| Street Lighting (Agencies)  | 8,658,990               | 270,787                                 | 652,963          | 864,275         | 711,804           | 864,386        | 763,574      | 710,958      | 838,818     | 763,841       | 710,856       | 791,792          | 714,935         |
| Sub-Total                   | 192,083,577             | 15,530,972                              | 15,820,854       | 16,937,791      | 16,183,177        | 16,776,096     | 16,342,261   | 15,858,964   | 17,099,740  | 15,892,823    | 16,032,021    | 14,292,390       | 15,316,487      |
| Total                       | 1,251,995,796           | 103,047,653                             | 104,340,948      | 106,343,856     | 101,829,822       | 106,182,735    | 111,206,280  | 111,620,826  | 112,156,776 | 105,312,468   | 103,092,475   | 88,790,044       | 98,071,914      |
| U.S. Navy                   | 312,405,502             | 25,910,039                              | 25,080,100       | 25,608,987      | 25,184,246        | 27,239,150     | 27,997,548   | 27,082,742   | 28,255,054  | 27,083,234    | 26,077,843    | 22,368,909       | 24,517,651      |
| Grand Total                 | 1,564,401,298           | 128,957,692                             | 129,421,048      | 131,952,844     | 127,014,068       | 133,421,884    | 139,203,828  | 138,703,568  | 140,411,830 | 132,395,702   | 129,170,318   | 111,158,952      | 122,589,564     |
| <b>REVENUE:</b>             |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Residential                 | 124,553,689             | 10,333,720                              | 10,464,359       | 10,521,241      | 10,007,200        | 10,470,951     | 11,397,991   | 11,569,285   | 11,457,009  | 10,559,992    | 10,171,326    | 8,491,117        | 9,109,499       |
| Small General Non Demand    | 21,156,369              | 1,544,644                               | 1,595,257        | 1,648,259       | 1,579,415         | 1,492,266      | 1,835,976    | 2,060,263    | 1,943,284   | 2,086,044     | 1,927,366     | 1,599,494        | 1,844,100       |
| Small General Demand        | 52,276,304              | 4,451,665                               | 4,449,885        | 4,534,471       | 4,422,371         | 4,572,505      | 4,665,289    | 4,374,426    | 4,442,708   | 4,275,919     | 4,237,399     | 3,714,204        | 4,135,462       |
| Large General               | 77,232,657              | 6,436,132                               | 6,456,820        | 6,497,279       | 6,283,768         | 6,671,085      | 6,607,718    | 6,673,278    | 6,615,844   | 6,321,363     | 6,456,767     | 5,778,637        | 6,433,966       |
| Private Outdoor Lighting    | 308,708                 | 25,341                                  | 25,875           | 25,867          | 25,616            | 26,038         | 25,412       | 26,200       | 25,670      | 25,155        | 25,651        | 25,784           | 26,100          |
| Independent Power Producer  | 109,968                 | 9,864                                   | 8,849            | 7,628           | 13,738            | 9,248          | 8,337        | 8,701        | 8,600       | 7,310         | 9,896         | 7,681            | 10,117          |
| Sub-Total                   | 275,637,696             | 22,801,366                              | 23,001,043       | 23,234,746      | 22,332,107        | 23,242,093     | 24,540,723   | 24,712,154   | 24,493,115  | 23,275,783    | 22,828,405    | 19,616,918       | 21,559,243      |
| <b>Government Service:</b>  |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Small Non Demand            | 3,556,761               | 232,560                                 | 236,107          | 246,239         | 232,567           | 250,901        | 235,628      | 373,461      | 383,585     | 361,853       | 364,404       | 311,171          | 328,284         |
| Small Demand                | 28,682,313              | 2,461,603                               | 2,407,924        | 2,553,302       | 2,491,735         | 2,527,222      | 2,494,451    | 2,319,401    | 2,465,281   | 2,284,016     | 2,363,416     | 2,065,940        | 2,248,023       |
| Large                       | 19,999,609              | 1,642,284                               | 1,709,248        | 1,754,498       | 1,671,314         | 1,754,837      | 1,655,430    | 1,659,702    | 1,743,611   | 1,632,794     | 1,668,683     | 1,492,275        | 1,614,932       |
| Street Lighting (Agencies)  | 5,641,150               | 342,012                                 | 459,553          | 503,228         | 471,713           | 503,316        | 482,461      | 471,543      | 497,965     | 482,529       | 472,435       | 488,836          | 465,560         |
| Sub-Total                   | 57,879,833              | 4,678,460                               | 4,812,832        | 5,057,267       | 4,867,330         | 5,036,276      | 4,867,971    | 4,824,107    | 5,090,441   | 4,761,191     | 4,868,938     | 4,358,222        | 4,656,799       |
| Total                       | 333,517,529             | 27,479,826                              | 27,813,875       | 28,292,013      | 27,199,437        | 28,278,369     | 29,408,694   | 29,536,261   | 29,583,556  | 28,036,974    | 27,697,343    | 23,975,139       | 26,216,042      |
| U.S. Navy                   | 63,714,643              | 5,433,030                               | 4,632,403        | 5,312,849       | 4,808,157         | 5,647,382      | 5,623,735    | 6,373,008    | 5,183,974   | 4,925,354     | 5,245,421     | 5,307,473        | 5,221,857       |
| Grand Total                 | 397,232,172             | 32,912,856                              | 32,446,278       | 33,604,862      | 32,007,594        | 33,925,751     | 35,032,429   | 35,909,269   | 34,767,531  | 32,962,328    | 32,942,764    | 29,282,613       | 31,437,899      |
| <b>NUMBER OF CUSTOMERS:</b> |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Residential                 | 44,350                  | 44,203                                  | 44,602           | 44,584          | 44,479            | 44,497         | 44,408       | 44,329       | 44,640      | 44,200        | 44,144        | 44,018           | 44,091          |
| Small General Non Demand    | 4,141                   | 3,953                                   | 4,092            | 4,091           | 4,087             | 4,122          | 4,197        | 4,211        | 4,213       | 4,185         | 4,183         | 4,173            | 4,180           |
| Small General Demand        | 1,027                   | 1,079                                   | 1,085            | 1,082           | 1,080             | 1,086          | 1,014        | 971          | 983         | 985           | 985           | 984              | 986             |
| Large General               | 120                     | 120                                     | 120              | 121             | 120               | 121            | 120          | 119          | 119         | 118           | 121           | 119              | 119             |
| Private Outdoor Lighting    | 520                     | 517                                     | 515              | 517             | 520               | 518            | 519          | 520          | 520         | 522           | 523           | 521              | 522             |
| Independent Power Producer  | 2                       | 2                                       | 2                | 2               | 2                 | 2              | 2            | 2            | 2           | 2             | 2             | 2                | 2               |
| Sub-Total                   | 50,158                  | 49,874                                  | 50,416           | 50,397          | 50,288            | 50,346         | 50,260       | 50,152       | 50,477      | 50,012        | 49,958        | 49,817           | 49,900          |
| <b>Government Service:</b>  |                         |   |                  |                 |                   |                |              |              |             |               |               |                  |                 |
| Small Non Demand            | 663                     | 644                                     | 644              | 645             | 644               | 648            | 671          | 676          | 676         | 672           | 675           | 678              | 679             |
| Small Demand                | 369                     | 384                                     | 383              | 383             | 382               | 382            | 381          | 356          | 355         | 356           | 357           | 357              | 356             |
| Large                       | 43                      | 44                                      | 44               | 44              | 44                | 44             | 43           | 43           | 42          | 42            | 42            | 42               | 42              |
| Street Lighting (Agencies)  | 621                     | 618                                     | 618              | 618             | 618               | 618            | 619          | 618          | 618         | 621           | 629           | 628              | 628             |
| Sub-Total                   | 1,696                   | 1,690                                   | 1,689            | 1,690           | 1,688             | 1,692          | 1,714        | 1,693        | 1,691       | 1,691         | 1,703         | 1,705            | 1,705           |
| Total                       | 51,854                  | 51,564                                  | 52,105           | 52,087          | 51,976            | 52,038         | 51,974       | 51,845       | 52,168      | 51,703        | 51,661        | 51,522           | 51,605          |
| U.S. Navy                   | 1                       | 1                                       | 1                | 1               | 1                 | 1              | 1            | 1            | 1           | 1             | 1             | 1                | 1               |
| Grand Total                 | 51,855                  | 51,565                                  | 52,106           | 52,088          | 51,977            | 52,039         | 51,975       | 51,846       | 52,169      | 51,704        | 51,662        | 51,523           | 51,606          |



GPA Work Session - February 20, 2020 - DIVISION REPORTS

GPA303

**GUAM POWER AUTHORITY  
ACCRUED REVENUE  
DECEMBER 2019**

| RATE                              | NUMBER<br>OF<br>CUSTOMERS | KWH<br>SALES         | TOTAL REVENUE         |                 | BASE RATE REVENUE |                       | AVERAGE PER CUSTOMER |                 | NON-FUEL        |                       | OIL             |                       |
|-----------------------------------|---------------------------|----------------------|-----------------------|-----------------|-------------------|-----------------------|----------------------|-----------------|-----------------|-----------------------|-----------------|-----------------------|
|                                   |                           |                      | AMOUNT                | C/KWH           | C/KWH             | AMOUNT                | KWH                  | REVENUE         | C/KWH           | AMOUNT                | C/KWH           | AMOUNT                |
| Month                             |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| R Residential                     | 44,203                    | 41,139,080           | \$ 10,333,720         | \$ 25.12        | \$ 25.12          | \$ 10,333,720         | 931                  | \$ 234          | \$ 9.69         | \$ 3,988,346          | \$ 15.42        | \$ 6,345,374          |
| G Small Gen. Non Demand           | 3,953                     | 5,151,158            | \$ 1,544,644          | \$ 29.99        | \$ 29.99          | \$ 1,544,644          | 1,303                | \$ 391          | \$ 14.56        | \$ 750,119            | \$ 15.42        | \$ 794,525            |
| J Small Gen. Demand               | 1,079                     | 16,007,245           | \$ 4,451,665          | \$ 27.81        | \$ 27.81          | \$ 4,451,665          | 14,835               | \$ 4,126        | \$ 12.39        | \$ 1,983,814          | \$ 15.42        | \$ 2,467,851          |
| P Large General                   | 120                       | 25,153,208           | \$ 6,436,132          | \$ 25.59        | \$ 25.59          | \$ 6,436,132          | 209,610              | \$ 53,634       | \$ 10.24        | \$ 2,575,109          | \$ 15.35        | \$ 3,861,023          |
| I Independent Power Producer      | 2                         | 34,266               | \$ 9,864              | \$ 28.79        | \$ 28.79          | \$ 9,864              | 17,133               | \$ 4,932        | \$ 13.90        | \$ 4,762              | \$ 14.89        | \$ 5,102              |
| H Private St. Lights              | 517                       | 31,725               | \$ 25,341             | \$ 79.88        | \$ 79.88          | \$ 25,341             | 61                   | \$ 49           | \$ 64.45        | \$ 20,448             | \$ 15.42        | \$ 4,893              |
| Sub-Total                         | 49,874                    | 87,516,681           | \$ 22,801,366         | \$ 26.05        | \$ 26.05          | \$ 22,801,366         | 1,755                | \$ 457          | \$ 10.65        | \$ 9,322,599          | \$ 15.40        | \$ 13,478,768         |
| Government Service:               |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| S Small Non Demand                | 644                       | 732,098              | \$ 232,560            | \$ 31.77        | \$ 31.77          | \$ 232,560            | 1,137                | \$ 361          | \$ 16.34        | \$ 119,640            | \$ 15.42        | \$ 112,920            |
| K Small Demand                    | 384                       | 8,610,483            | \$ 2,461,603          | \$ 28.59        | \$ 28.59          | \$ 2,461,603          | 22,423               | \$ 6,410        | \$ 13.16        | \$ 1,133,505          | \$ 15.42        | \$ 1,328,098          |
| L Large                           | 44                        | 5,917,603            | \$ 1,642,284          | \$ 27.75        | \$ 27.75          | \$ 1,642,284          | 134,491              | \$ 37,325       | \$ 12.52        | \$ 740,892            | \$ 15.23        | \$ 901,392            |
| * F Street Lighting (Agencies)    | 618                       | 270,787              | \$ 342,012            | \$ 126.30       | \$ 126.30         | \$ 342,012            | 438                  | \$ 553          | \$ 110.88       | \$ 300,245            | \$ 15.42        | \$ 41,767             |
| Sub-Total                         | 1,690                     | 15,530,972           | \$ 4,678,460          | \$ 30.12        | \$ 30.12          | \$ 4,678,460          | 9,190                | \$ 2,768        | \$ 14.77        | \$ 2,294,282          | \$ 15.35        | \$ 2,384,177          |
| U.S. Navy                         | 51,564                    | 103,047,653          | \$ 27,479,826         | \$ 26.67        | \$ 26.67          | \$ 27,479,826         | 1,998                | \$ 533          | \$ 40.78        | \$ 11,616,881         | \$ 15.39        | \$ 15,862,945         |
|                                   | 1                         | 25,910,039           | \$ 5,433,030          | \$ 20.97        | \$ 20.97          | \$ 5,433,030          |                      |                 | \$ 6.17         | \$ 1,598,842          | \$ 14.80        | \$ 3,834,187          |
| <b>TOTAL</b>                      | <b>51,565</b>             | <b>128,957,692</b>   | <b>\$ 32,912,856</b>  | <b>\$ 25.52</b> | <b>\$ 25.52</b>   | <b>\$ 32,912,856</b>  | <b>2,501</b>         | <b>\$ 638</b>   | <b>\$ 10.25</b> | <b>\$ 13,215,723</b>  | <b>\$ 15.27</b> | <b>\$ 19,697,133</b>  |
| Three Months Ended December 2019  |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| R Residential                     | 44,463                    | 124,979,220          | \$ 31,319,319         | \$ 25.06        | \$ 25.06          | \$ 31,319,319         | 2,811                | \$ 704          | \$ 9.64         | \$ 12,042,274         | \$ 15.42        | \$ 19,277,045         |
| G Small Gen. Non Demand           | 4,045                     | 16,111,373           | \$ 4,788,160          | \$ 29.72        | \$ 29.72          | \$ 4,788,160          | 3,983                | \$ 1,184        | \$ 14.29        | \$ 2,303,110          | \$ 15.42        | \$ 2,485,050          |
| J Small Gen. Demand               | 1,082                     | 48,748,270           | \$ 13,436,022         | \$ 27.56        | \$ 27.56          | \$ 13,436,022         | 45,054               | \$ 12,418       | \$ 12.14        | \$ 5,920,385          | \$ 15.42        | \$ 7,515,636          |
| P Large General                   | 120                       | 75,407,283           | \$ 19,390,231         | \$ 25.71        | \$ 25.71          | \$ 19,390,231         | 626,653              | \$ 161,138      | \$ 10.36        | \$ 7,813,706          | \$ 15.35        | \$ 11,576,525         |
| I Independent Power Producer      | 516                       | 97,342               | \$ 26,341             | \$ 27.06        | \$ 27.06          | \$ 26,341             | 189                  | \$ 51           | \$ 12.17        | \$ 11,843             | \$ 14.89        | \$ 14,498             |
| H Private St. Lights              | 2                         | 99,353               | \$ 77,083             | \$ 77.58        | \$ 77.58          | \$ 77,083             | 49,677               | \$ 38,541       | \$ 62.16        | \$ 61,758             | \$ 15.42        | \$ 15,324             |
| Sub-Total                         | 50,229                    | 265,442,842          | \$ 69,037,156         | \$ 26.01        | \$ 26.01          | \$ 69,037,156         | 5,285                | \$ 1,374        | \$ 10.61        | \$ 28,153,077         | \$ 15.40        | \$ 40,884,079         |
| Government Service:               |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| S Small Non Demand                | 644                       | 2,250,625            | \$ 714,906            | \$ 31.76        | \$ 31.76          | \$ 714,906            | 3,493                | \$ 1,110        | \$ 16.34        | \$ 367,765            | \$ 15.42        | \$ 347,141            |
| K Small Demand                    | 383                       | 25,828,484           | \$ 7,422,829          | \$ 28.74        | \$ 28.74          | \$ 7,422,829          | 67,379               | \$ 19,364       | \$ 13.31        | \$ 3,438,991          | \$ 15.42        | \$ 3,983,837          |
| L Large                           | 44                        | 18,422,481           | \$ 5,106,030          | \$ 27.72        | \$ 27.72          | \$ 5,106,030          | 418,693              | \$ 116,046      | \$ 12.48        | \$ 2,299,184          | \$ 15.24        | \$ 2,806,847          |
| F Street Lighting (Agencies)      | 618                       | 1,788,025            | \$ 1,304,793          | \$ 72.97        | \$ 72.97          | \$ 1,304,793          | 2,893                | \$ 2,111        | \$ 57.55        | \$ 1,029,005          | \$ 15.42        | \$ 275,789            |
| Sub-Total                         | 1,690                     | 48,289,616           | \$ 14,548,558         | \$ 30.13        | \$ 30.13          | \$ 14,548,558         | 28,579               | \$ 8,610        | \$ 14.78        | \$ 7,134,945          | \$ 15.35        | \$ 7,413,613          |
| U.S. Navy                         | 1                         | 76,599,126           | \$ 15,378,282         | \$ 20.08        | \$ 20.08          | \$ 15,378,282         |                      |                 | \$ 6.17         | \$ 4,725,481          | \$ 13.91        | \$ 10,652,801         |
| <b>TOTAL</b>                      | <b>51,920</b>             | <b>390,331,584</b>   | <b>\$ 98,963,996</b>  | <b>\$ 25.35</b> | <b>\$ 25.35</b>   | <b>\$ 98,963,996</b>  | <b>7,518</b>         | <b>\$ 1,906</b> | <b>\$ 10.25</b> | <b>\$ 40,013,503</b>  | <b>\$ 15.10</b> | <b>\$ 58,950,493</b>  |
| Twelve Months Ended December 2019 |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| R Residential                     | 44,350                    | 497,117,527          | \$ 124,553,689        | \$ 25.06        | \$ 25.06          | \$ 124,553,689        | 11,209               | \$ 2,808        | \$ 9.63         | \$ 47,877,288         | \$ 15.42        | \$ 76,676,402         |
| G Small Gen. Non Demand           | 4,141                     | 71,840,500           | \$ 21,156,369         | \$ 29.45        | \$ 29.45          | \$ 21,156,369         | 17,350               | \$ 5,110        | \$ 14.02        | \$ 10,075,546         | \$ 15.42        | \$ 11,080,822         |
| J Small Gen. Demand               | 1,027                     | 190,275,675          | \$ 52,276,304         | \$ 27.47        | \$ 27.47          | \$ 52,276,304         | 185,333              | \$ 50,918       | \$ 12.06        | \$ 22,940,925         | \$ 15.42        | \$ 29,335,380         |
| P Large General                   | 120                       | 299,882,909          | \$ 77,232,657         | \$ 25.75        | \$ 25.75          | \$ 77,232,657         | 2,504,241            | \$ 644,949      | \$ 10.40        | \$ 31,195,452         | \$ 15.35        | \$ 46,037,206         |
| I Independent Power Producer      | 2                         | 400,713              | \$ 109,968            | \$ 27.44        | \$ 27.44          | \$ 109,968            | 200,357              | \$ 54,984       | \$ 12.45        | \$ 49,885             | \$ 14.99        | \$ 60,083             |
| H Private St. Lights              | 520                       | 394,896              | \$ 308,708            | \$ 78.17        | \$ 78.17          | \$ 308,708            | 760                  | \$ 594          | \$ 62.86        | \$ 248,251            | \$ 15.31        | \$ 60,458             |
| Sub-Total                         | 50,158                    | 1,059,912,220        | \$ 275,637,696        | \$ 26.01        | \$ 26.01          | \$ 275,637,696        | 21,131               | \$ 5,495        | \$ 10.60        | \$ 112,387,347        | \$ 15.40        | \$ 163,250,349        |
| Government Service:               |                           |                      |                       |                 |                   |                       |                      |                 |                 |                       |                 |                       |
| S Small Non Demand                | 663                       | 11,487,208           | \$ 3,556,761          | \$ 30.96        | \$ 30.96          | \$ 3,556,761          | 17,335               | \$ 5,367        | \$ 15.54        | \$ 1,784,951          | \$ 15.42        | \$ 1,771,810          |
| K Small Demand                    | 369                       | 99,878,451           | \$ 28,682,313         | \$ 28.72        | \$ 28.72          | \$ 28,682,313         | 270,429              | \$ 77,660       | \$ 13.29        | \$ 13,276,861         | \$ 15.42        | \$ 15,405,452         |
| L Large                           | 43                        | 72,058,928           | \$ 19,999,609         | \$ 27.75        | \$ 27.75          | \$ 19,999,609         | 1,675,789            | \$ 465,107      | \$ 12.52        | \$ 9,020,168          | \$ 15.24        | \$ 10,979,440         |
| F Street Lighting (Agencies)      | 621                       | 8,658,990            | \$ 5,641,150          | \$ 65.15        | \$ 65.15          | \$ 5,641,150          | 13,945               | \$ 9,085        | \$ 49.72        | \$ 4,305,571          | \$ 15.42        | \$ 1,335,580          |
| Sub-Total                         | 1,696                     | 192,083,577          | \$ 57,879,833         | \$ 30.13        | \$ 30.13          | \$ 57,879,833         | 113,262              | \$ 34,129       | \$ 14.78        | \$ 28,387,551         | \$ 15.35        | \$ 29,492,282         |
| U.S. Navy                         | 51,854                    | 1,251,995,796        | \$ 333,517,529        | \$ 26.64        | \$ 26.64          | \$ 333,517,529        | 24,145               | \$ 6,432        | \$ 11.24        | \$ 140,774,897        | \$ 15.39        | \$ 192,742,632        |
|                                   | 1                         | 312,405,502          | \$ 63,714,643         | \$ 20.39        | \$ 20.39          | \$ 63,714,643         |                      |                 | \$ 6.36         | \$ 19,868,441         | \$ 14.04        | \$ 43,846,202         |
| <b>TOTAL</b>                      | <b>51,855</b>             | <b>1,564,401,298</b> | <b>\$ 397,232,172</b> | <b>\$ 25.39</b> | <b>\$ 25.39</b>   | <b>\$ 397,232,172</b> | <b>30,169</b>        | <b>\$ 7,660</b> | <b>\$ 10.27</b> | <b>\$ 160,643,339</b> | <b>\$ 15.12</b> | <b>\$ 236,588,833</b> |

\* Government Street Lighting KWH Sales and Revenue Yield is too high due to DPW Accounts adjustments per GIS St Light Counts Reconciliation

GPA Work Session - February 20, 2020 - DIVISION REPORTS

GPA-318  
318Dec19

ENERGY ACCOUNT  
FY 2020 Versus FY 2019

FOR INTERNAL USE ONLY

|   | December 2019 |          | December 2018 |          | Y T D 2020  |          | Y T D 2019  |          | MOVING TWELVE MONTHS |          |
|---|---------------|----------|---------------|----------|-------------|----------|-------------|----------|----------------------|----------|
| Gross Generation                              | 31            |          | 31            |          | 61          |          | 61          |          | 365                  |          |
| Number of days in Period                      | 236           |          | 237           |          | 247         |          | 245         |          | 255                  |          |
| Peak demand                                   | 12/03/19      |          | 12/06/18      |          | 10/23/19    |          | 11/04/19    |          | 06/06/19             |          |
| Date  | KWH           | % change | KWH           | % change | KWH         | % change | KWH         | % change | KWH                  | % change |
| Energy Account:                               |               |          |               |          |             |          |             |          |                      |          |
| Kilowatt hours GPA:                           |               |          |               |          |             |          |             |          |                      |          |
| Cabras 1 & 2                                  | 62,744,000    |          | 50,479,000    |          | 166,028,000 |          | 176,435,000 |          | 747,409,000          |          |
| Cabras No. 3                                  | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| Cabras No. 4                                  | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| MEC (ENRON) Piti 8 (IPP)                      | 27,440,500    |          | 29,539,700    |          | 84,034,500  |          | 72,707,300  |          | 289,775,400          |          |
| MEC (ENRON) Piti 9 (IPP)                      | 26,851,100    |          | 29,349,600    |          | 83,946,200  |          | 76,795,000  |          | 298,232,570          |          |
| TEMES Piti 7 (IPP)                            | 2,139,094     |          | 6,281,944     |          | 17,851,050  |          | 24,003,522  |          | 43,204,723           |          |
| Tanguisson 2                                  | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| Tanguisson 1                                  | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| Diesels/CT's & Others:                        |               |          |               |          |             |          |             |          |                      |          |
| MDI 10MW                                      | 0             |          | 0             |          | 101,736     |          | 68,932      |          | 735,494              |          |
| NRG Solar Dandan                              | 3,930,000     |          | 3,380,595     |          | 11,628,685  |          | 11,492,083  |          | 48,107,126           |          |
| Dededo CT #1                                  | 0             |          | 159,100       |          | 1,376,910   |          | 2,644,980   |          | 3,623,740            |          |
| Dededo CT #2                                  | 227,630       |          | 319,680       |          | 2,471,280   |          | 3,409,930   |          | 6,739,590            |          |
| Macheche CT                                   | 4,439,390     |          | 4,244,186     |          | 16,618,158  |          | 14,450,134  |          | 56,042,208           |          |
| Yigo CT (Leased)                              | 4,428,786     |          | 4,774,403     |          | 13,446,535  |          | 15,290,941  |          | 47,426,019           |          |
| Tenjo   | 4,507,890     |          | 129,320       |          | 14,449,190  |          | 7,893,740   |          | 34,798,820           |          |
| Talofofo 10 MW                                | 7,620         |          | 1,609,120     |          | 1,059,020   |          | 1,609,120   |          | 8,265,790            |          |
| Aggreko                                       | 6,713,400     |          | 15,653,538    |          | 19,181,225  |          | 28,929,141  |          | 139,671,730          |          |
| Wind Turbine*                                 | 0             |          | 0             |          | 12,221      |          | 10,431      |          | 146,588              |          |
| Orote   | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| Marbo   | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
|   | 143,429,410   |          | 145,920,185   |          | 432,204,710 |          | 435,740,254 |          | 1,724,178,799        |          |
| Ratio to last year                            |               | 98.29    |               | 96.22    |             | 99.19    |             | 97.55    |                      | 100.97   |
| Station use                                   | 5,661,925     |          | 5,241,350     |          | 16,482,421  |          | 16,551,681  |          | 66,821,202           |          |
| Ratio to Gross generation                     |               | 3.95     |               | 3.59     |             | 3.81     |             | 3.80     |                      | 3.88     |
| Net send out                                  | 137,767,485   |          | 140,678,836   |          | 415,722,290 |          | 419,188,573 |          | 1,657,357,597        |          |
| Ratio to last year                            |               | 97.93    |               | 96.38    |             | 99.17    |             | 97.52    |                      | 100.74   |
| KWH deliveries:                               |               |          |               |          |             |          |             |          |                      |          |
| Sales to Navy (@34.5kv)                       | 25,910,039    |          | 26,518,827    |          | 76,599,126  |          | 77,991,690  |          | 312,405,503          |          |
| Ratio to last year                            |               | 97.70    |               | 94.48    |             | 98.21    |             | 97.31    |                      | 102.66   |
| GPA-metered                                   | 111,857,446   |          | 114,160,009   |          | 339,123,164 |          | 341,196,883 |          | 1,344,952,094        |          |
| Ratio to last year                            |               | 97.98    |               | 96.83    |             | 99.39    |             | 97.57    |                      | 100.31   |
| Power factor adj.                             | 0             |          | 0             |          | 0           |          | 0           |          | 0                    |          |
| Adjusted                                      | 111,857,446   |          | 114,160,009   |          | 339,123,164 |          | 341,196,883 |          | 1,344,952,094        |          |
| GPA KWH Accountability:                       |               |          |               |          |             |          |             |          |                      |          |
| Sales to civilian customers-<br>accrual basis | 103,047,653   |          | 105,671,074   |          | 313,732,457 |          | 316,224,347 |          | 1,251,995,797        |          |
| Ratio to last year                            |               | 97.52    |               | 95.61    |             | 99.21    |             | 96.49    |                      | 100.23   |
| GPA use-KWH                                   | 350,384       |          | 338,948       |          | 1,036,015   |          | 1,012,809   |          | 4,162,998            |          |
| Unaccounted For                               | 8,459,409     |          | 8,149,987     |          | 24,354,692  |          | 23,959,726  |          | 88,793,298           |          |
| Ratio to deliveries                           |               | 7.56     |               | 7.14     |             | 7.18     |             | 7.02     |                      | 6.60     |
| Ratio to Gross Generation                     |               | 5.90     |               | 5.59     |             | 5.63     |             | 5.50     |                      | 5.15     |
| Ratio to Net Send Out                         |               | 6.14     |               | 5.79     |             | 5.86     |             | 5.72     |                      | 5.36     |

GPA-317Dec19

**Guam Power Authority  
Fuel Consumption  
FY 2020**

| Description                     | December 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                             | 172,187        | \$12,130,475         | 386,994        | \$ 25,894,340        | 1,528,187        | \$ 108,797,738        |
| Diesel                          | 46,162         | \$4,054,285          | 184,872        | \$ 16,412,307        | 709,502          | \$ 64,733,188         |
| Low Sulfur                      | 7,859          | \$515,257            | 126,173        | \$ 8,615,884         | 525,672          | \$ 38,839,125         |
| Deferred Fuel Costs             | 0              | \$1,414,471          | 0              | \$ 3,471,094         | 0                | \$ 5,902,252          |
| Fuel Adjustments                | 0              | \$0                  |                | \$ -                 | 0                | \$ 230,610            |
| Fuel Handling Costs             | 0              | \$1,582,644          | 0              | \$ 4,556,867         | 0                | \$ 18,085,920         |
|                                 | <b>226,208</b> | <b>\$19,697,132</b>  | <b>698,039</b> | <b>\$ 58,950,492</b> | <b>2,763,361</b> | <b>\$ 236,588,833</b> |
| <b>IWPS:</b>                    |                |                      |                |                      |                  |                       |
| GPA RFO                         | 172,187        | \$12,130,475         | 386,994        | \$ 25,894,340        | 1,528,187        | \$ 108,797,738        |
| Diesel                          | 46,162         | \$4,054,285          | 184,872        | \$ 16,412,307        | 709,502          | \$ 64,733,188         |
| Low Sulfur                      | 7,859          | \$515,257            | 126,173        | \$ 8,615,884         | 525,672          | \$ 38,839,125         |
| Deferred Fuel Costs             | 0              | \$1,414,471          | 0              | \$ 3,471,094         | 0                | \$ 5,902,252          |
| Fuel Variance                   | 0              | \$0                  | 0              | \$ -                 |                  | \$ 230,610            |
| Fuel Handling Costs             | 0              | \$1,582,644          | 0              | \$ 4,556,867         | 0                | \$ 18,085,920         |
|                                 | <b>226,208</b> | <b>\$19,697,132</b>  | <b>698,039</b> | <b>\$ 58,950,492</b> | <b>2,763,361</b> | <b>\$ 236,588,833</b> |
| <b>AVERAGE COST/Bbl.</b>        |                |                      |                |                      |                  |                       |
| GPA RFO                         |                | <b>\$70.45</b>       |                | <b>\$66.91</b>       |                  | <b>\$71.19</b>        |
| Diesel                          |                | <b>\$87.83</b>       |                | <b>\$88.78</b>       |                  | <b>\$91.24</b>        |
| Low Sulfur                      |                | <b>\$65.56</b>       |                | <b>\$68.29</b>       |                  | <b>\$73.88</b>        |
| <b>AS BURNED</b>                |                |                      |                |                      |                  |                       |
| <b>Cabras 1 &amp; 2</b>         |                |                      |                |                      |                  |                       |
| RFO                             | 102,290        | \$ 7,221,591         | 210,337        | \$ 14,207,013        | 925,280          | \$ 66,339,086         |
| Low Sulfur                      | 3,928          | \$ 257,533           | 75,395         | \$ 5,143,479         | 337,999          | \$ 24,987,692         |
| Diesel                          | 165            | \$ 15,458            | 271            | \$ 25,118            | 1,655            | \$ 152,914            |
|                                 | 106,383        | \$ 7,494,582         | 286,002        | \$ 19,375,610        | 1,264,933        | \$ 91,479,692         |
| <b>Cabras 3 &amp; 4</b>         |                |                      |                |                      |                  |                       |
| RFO                             | 0              | \$ -                 | 0              | \$ -                 | 0                | \$ -                  |
| Low Sulfur                      | 0              | \$ -                 | 0              | \$ -                 | 0                | \$ -                  |
| Diesel                          | 0              | \$ -                 | 0              | \$ -                 | 0                | \$ -                  |
|                                 | 0              | \$ -                 | 0              | \$ -                 | 0                | \$ -                  |
| <b>MEC (Piti Units 8&amp;9)</b> |                |                      |                |                      |                  |                       |
| RFO                             | 69,897         | \$ 4,908,884         | 176,657        | \$ 11,687,327        | 602,907          | \$ 42,458,652         |
| Low Sulfur                      | 3,931          | \$ 257,724           | 50,778         | \$ 3,472,405         | 187,674          | \$ 13,851,433         |
| Diesel                          | 3              | \$ 236               | 6              | \$ 394               | 40               | \$ 2,806              |
|                                 | 73,831         | \$ 5,166,844         | 227,441        | \$ 15,160,126        | 790,620          | \$ 56,312,891         |
| <b>Diesel &amp; CT's - GPA:</b> |                |                      |                |                      |                  |                       |
| MDI Dsl                         | 0              | \$ -                 | 164            | \$ 15,509            | 1,128            | \$ 96,637             |
| Macheche CT                     | 9,857          | \$ 859,263           | 36,366         | \$ 3,181,844         | 122,748          | \$ 11,055,234         |
| Yigo CT                         | 9,722          | \$ 845,754           | 29,201         | \$ 2,555,015         | 104,244          | \$ 9,359,914          |
| Talofofo 10 MW                  | 13             | \$ 1,168             | 1,856          | \$ 162,054           | 14,615           | \$ 1,320,364          |
| Aggreko                         | 12,470         | \$ 1,085,258         | 35,213         | \$ 3,080,432         | 258,260          | \$ 23,305,743         |
| Tenjo                           | 7,677          | \$ 700,002           | 24,579         | \$ 2,305,019         | 60,109           | \$ 6,087,800          |
| TEMES (IPP)                     | 5,689          | \$ 497,633           | 45,507         | \$ 4,016,866         | 114,177          | \$ 10,292,293         |
| GWA Generators                  | 5              | \$ 631               | 209            | \$ 27,855            | 1,007            | \$ 130,765            |
|                                 | 45,993         | \$ 4,038,591         | 184,596        | \$ 16,386,795        | 707,808          | \$ 64,577,469         |
| Deferred Fuel Costs             | 0              | \$ 1,414,471         |                | \$ 3,471,094         |                  | \$ 5,902,252          |
| Adjustment                      |                | \$ -                 |                | \$ -                 |                  | \$ 230,610            |
| Fuel Handling Costs             | 0              | \$ 1,582,644         |                | \$ 4,556,867         |                  | \$ 18,085,920         |
| <b>TOTAL</b>                    | <b>226,207</b> | <b>\$ 19,697,132</b> | <b>698,039</b> | <b>\$ 58,950,492</b> | <b>2,763,361</b> | <b>\$ 236,588,833</b> |

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

|  | 2016             | Restated<br>2017 | Audited<br>2018  | YTD<br>Unaudited<br>2019 | YTD<br>Unaudited<br>2020 |
|--|------------------|------------------|------------------|--------------------------|--------------------------|
| <b>Funds Available for Debt Service</b>              |                  |                  |                  |                          |                          |
| Earnings from Operations                             | \$ 37,981        | \$ 36,522        | \$ 38,164        | \$ 44,818                | \$ 11,643                |
| Interest Income                                      | 57               | 122              | 620              | 5,008                    | 606                      |
| Depreciation Expense                                 | 44,240           | 44,292           | 37,184           | 37,344                   | 9,116                    |
| Balance Available for Debt Service                   | <u>\$ 82,278</u> | <u>\$ 80,936</u> | <u>\$ 75,968</u> | <u>\$ 87,170</u>         | <u>\$ 21,365</u>         |
| <b>IPP - Capital Costs</b>                           |                  |                  |                  |                          |                          |
| Principal  | \$ 14,819        | \$ 20,796        | \$ 23,210        | \$ 13,470                | \$ 2,100                 |
| Interest   | 5,970            | 5,609            | 3,159            | 1,068                    | 133                      |
| Total IPP Payments                                   | <u>\$ 20,789</u> | <u>\$ 26,405</u> | <u>\$ 26,369</u> | <u>\$ 14,538</u>         | <u>\$ 2,233</u>          |
| <b>Bond Debt Service</b>                             |                  |                  |                  |                          |                          |
| Principal (1993 & 1999 Revenue Bond)                 | \$ -             | \$ -             | \$ -             | \$ -                     | \$ -                     |
| Interest (1993 & 1999 Revenue Bond)                  | -                | -                | -                | -                        | -                        |
| Principal and Interest (2010 Subordinate Bond)       | -                | -                | -                | -                        | -                        |
| Principal and Interest (2010 Senior TE Bond)         | 7,999            | 7,999            | 2,000            | -                        | -                        |
| Principal and Interest (2012 Senior TE Bond)         | 17,098           | 17,449           | 17,086           | 31,467                   | 8,808                    |
| Principal and Interest (2014 Senior TE Bond)         | 10               | 5,084            | 5,083            | 5,084                    | 1,272                    |
| Principal and Interest (2017 Senior TE Bond)         | -                | -                | 5,916            | 7,607                    | 1,854                    |
| Total  | <u>\$ 25,107</u> | <u>\$ 30,532</u> | <u>\$ 30,086</u> | <u>\$ 44,158</u>         | <u>\$ 11,934</u>         |
| <b>Debt Service Coverage (DSC) Calculation</b>       |                  |                  |                  |                          |                          |
| Existing DSC Methodology (Senior)                    | 2.45 x           | 1.79 x           | 1.65 x           | 1.64 x                   | 1.60 x                   |
| Existing DSC Methodology (Senior+Subordinate)        | 2.45 x           | 1.79 x           | 1.65 x           | 1.64 x                   | 1.60 x                   |
| Bond Covenant DSC                                    | 3.28 x           | 2.65 x           | 2.53 x           | 1.97 x                   | 1.79 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:**

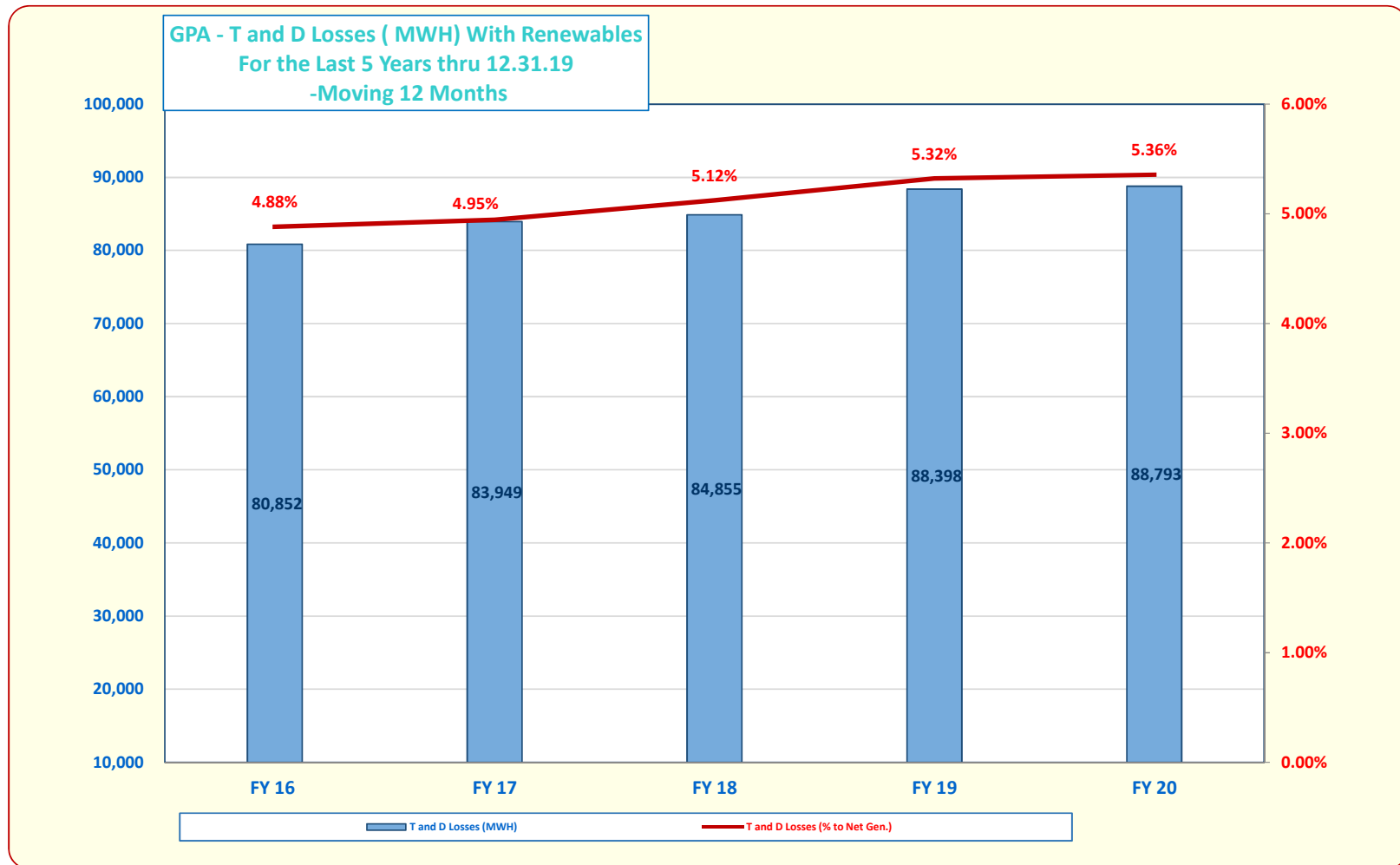
- (1) Source: Guam Power Authority, 2014 - 2018 Audited Financial Statements
- (2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit.
- (3) Existing DSC Methodology (Rating Agency Method):  
 (Operating Earnings + Depreciation Expense - IPP Principal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

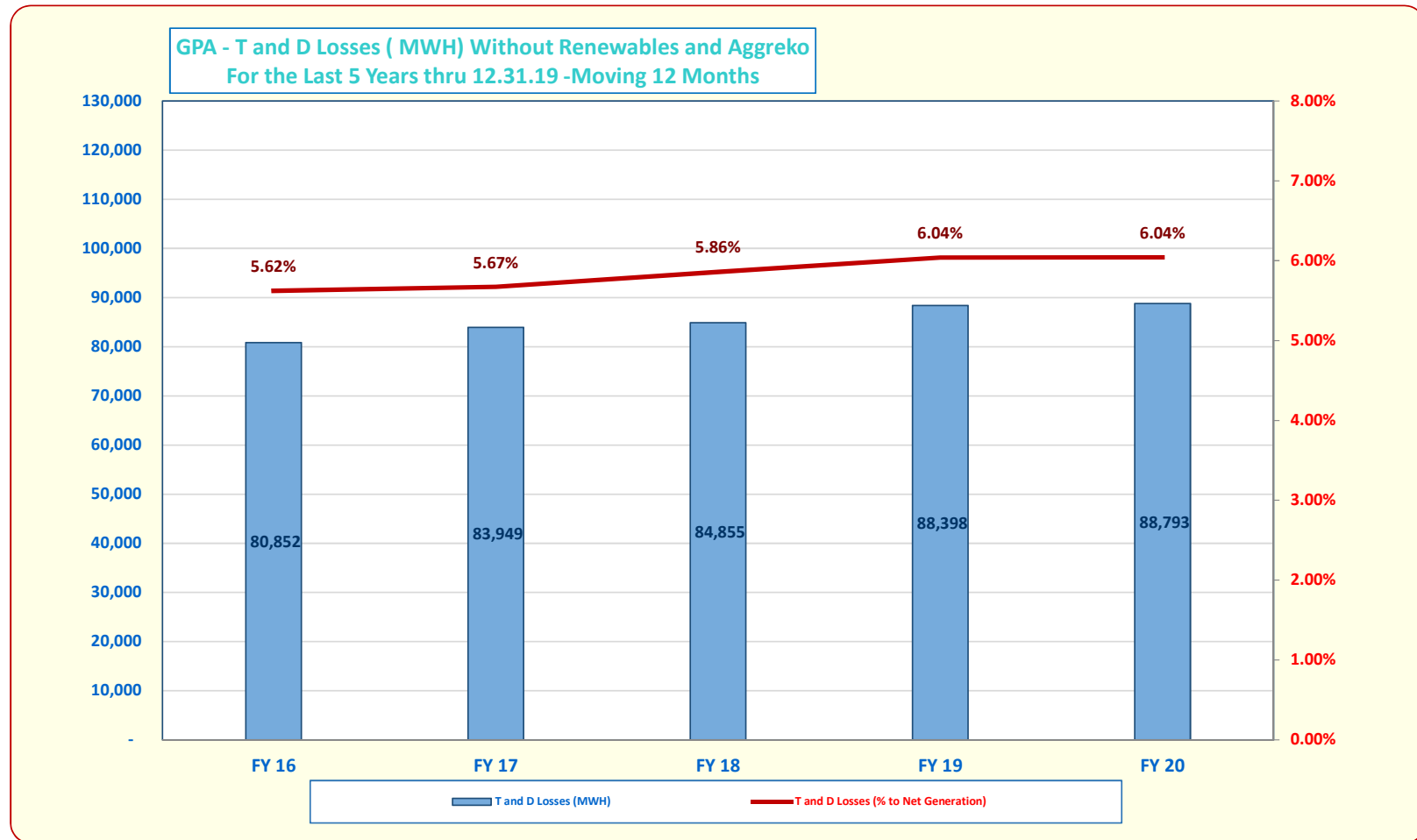
GPA Work Session - February 20, 2020 - DIVISION REPORTS

| REVENUES-ACTUAL VS PROJECTIONS |             |             |             |            |                   |             |              |            |
|--------------------------------|-------------|-------------|-------------|------------|-------------------|-------------|--------------|------------|
| MONTHLY - DECEMBER 2019        |             |             |             |            | YTD THRU 12/31/19 |             |              |            |
|                                | PROJECTIONS | ACTUAL      | VARIANCE    | % VARIANCE | PROJECTIONS       | ACTUAL      | VARIANCE     | % VARIANCE |
| KWH                            |             |             |             |            |                   |             |              |            |
| Residential                    | 43,239,998  | 41,139,080  | (2,100,919) | -4.86%     | 130,516,771       | 124,979,220 | (5,537,551)  | -4.24%     |
| Small General-Non-Demand       | 7,499,314   | 5,151,158   | (2,348,156) | -31.31%    | 22,232,159        | 16,111,373  | (6,120,786)  | -27.53%    |
| Small General-Demand           | 15,294,878  | 16,007,245  | 712,367     | 4.66%      | 45,721,679        | 48,748,270  | 3,026,591    | 6.62%      |
| Large                          | 26,932,983  | 25,153,208  | (1,779,775) | -6.61%     | 80,205,634        | 75,407,283  | (4,798,351)  | -5.98%     |
| Independent Power Producers    | 34,013      | 34,266      | 252         | 0.74%      | 101,291           | 97,342      | (3,949)      | -3.90%     |
| Private St. Lites              | 5,149       | 31,725      | 26,576      | 516.15%    | 15,557            | 99,353      | 83,797       | 538.65%    |
| Sub-total                      | 93,006,335  | 87,516,681  | (5,489,654) | -5.90%     | 278,793,091       | 265,442,842 | (13,350,250) | -4.79%     |
| Government                     |             |             |             |            |                   |             |              |            |
| Small_Non Demand               | 1,293,383   | 732,098     | (561,285)   | -43.40%    | 3,750,814         | 2,250,625   | (1,500,189)  | -40.00%    |
| Small-Demand                   | 7,875,627   | 8,610,483   | 734,857     | 9.33%      | 23,168,327        | 25,828,484  | 2,660,157    | 11.48%     |
| Large                          | 6,673,660   | 5,917,603   | (756,056)   | -11.33%    | 20,082,825        | 18,422,481  | (1,660,344)  | -8.27%     |
| Public St. Lites               | 779,810     | 270,787     | (509,023)   | -65.28%    | 2,294,502         | 1,788,025   | (506,477)    | -22.07%    |
| Sub-total                      | 16,622,479  | 15,530,972  | (1,091,508) | -6.57%     | 49,296,469        | 48,289,616  | (1,006,853)  | -2.04%     |
| Total-Civilian                 | 109,628,814 | 103,047,653 | (6,581,162) | -6.00%     | 328,089,560       | 313,732,458 | (14,357,102) | -4.38%     |
| USN                            | 25,713,700  | 25,910,039  | 196,339     | 0.76%      | 75,623,815        | 76,599,126  | 975,311      | 1.29%      |
| Grand Total                    | 135,342,514 | 128,957,692 | (6,384,822) | -4.72%     | 403,713,375       | 390,331,584 | (13,381,791) | -3.31%     |
|                                |             |             |             |            |                   |             |              |            |
| Non-Oil Yield                  |             |             |             |            |                   |             |              |            |
| Residential                    | 0.096264    | 0.096948    | 0.000683    | 0.71%      | 0.096264          | 0.096354    | 0.000090     | 0.09%      |
| Small General-Non-Demand       | 0.136877    | 0.145621    | 0.008745    | 6.39%      | 0.136877          | 0.142949    | 0.006073     | 4.44%      |
| Small General-Demand           | 0.120054    | 0.123932    | 0.003879    | 3.23%      | 0.120054          | 0.121448    | 0.001395     | 1.16%      |
| Large                          | 0.104208    | 0.102377    | (0.001831)  | -1.76%     | 0.104208          | 0.103620    | (0.000588)   | -0.56%     |
| Independent Power Producers    | 0.626461    | 0.138986    | (0.487476)  | 0.00%      | 0.626461          | 0.121668    | (0.504794)   | 0.00%      |
| Private St. Lites              | 0.114929    | 0.644531    | 0.529602    | 460.81%    | 0.114929          | 0.621604    | 0.506675     | 440.86%    |
| Sub-total                      | 0.105946    | 0.106524    | 0.000577    | 0.54%      | 0.105883          | 0.106061    | 0.000177     | 0.17%      |
| Government                     |             |             |             |            |                   |             |              |            |
| Small_Non Demand               | 0.150486    | 0.163421    | 0.012935    | 8.60%      | 0.150486          | 0.163406    | 0.012920     | 8.59%      |
| Small-Demand                   | 0.135060    | 0.131642    | (0.003417)  | -2.53%     | 0.135060          | 0.133147    | (0.001913)   | -1.42%     |
| Large                          | 0.127855    | 0.125201    | (0.002654)  | -2.08%     | 0.127855          | 0.124803    | (0.003052)   | -2.39%     |
| Public St. Lites               | 0.473421    | 1.108787    | 0.635367    | 134.21%    | 0.473421          | 0.575498    | 0.102077     | 21.56%     |
| Sub-total                      | 0.149241    | 0.147723    | (0.001518)  | -1.02%     | 0.149047          | 0.147753    | (0.001294)   | -0.87%     |
| Total-Civilian                 | 0.112511    | 0.112733    | 0.000222    | 0.20%      | 0.154242          | 0.112478    | (0.041764)   | -27.08%    |
| USN                            | 0.062452    | 0.061707    | (0.000744)  | -1.19%     | 0.062452          | 0.061691    | (0.000761)   | -1.22%     |
| Grand Total                    | 0.103000    | 0.102481    | (0.000519)  | -0.50%     | 0.103018          | 0.102512    | (0.000507)   | -0.49%     |
|                                |             |             |             |            |                   |             |              |            |
| Non-Oil Revenues               |             |             |             |            |                   |             |              |            |
| Residential                    | 4,162,476   | 3,988,346   | (174,130)   | -4.18%     | 12,564,130        | 12,042,274  | (521,856)    | -4.15%     |
| Small General-Non-Demand       | 1,026,481   | 750,119     | (276,362)   | -26.92%    | 3,043,063         | 2,303,110   | (739,953)    | -24.32%    |
| Small General-Demand           | 1,836,204   | 1,983,814   | 147,610     | 8.04%      | 5,489,050         | 5,920,385   | 431,335      | 7.86%      |
| Large                          | 2,806,629   | 2,575,109   | (231,520)   | -8.25%     | 8,358,059         | 7,813,706   | (544,354)    | -6.51%     |
| Independent Power Producers    | 21,308      | 4,762       | (16,546)    | -77.65%    | 63,455            | 11,843      | (51,611)     | -81.34%    |
| Private St. Lites              | 592         | 20,448      | 19,856      | 3355.43%   | 1,788             | 61,758      | 59,971       | 3354.21%   |
| Sub-total                      | 9,853,690   | 9,322,599   | (531,092)   | -5.39%     | 29,519,545        | 28,153,077  | (1,366,468)  | -4.63%     |
| Government                     |             |             |             |            |                   |             |              |            |
| Small_Non Demand               | 194,636     | 119,640     | (74,996)    | -38.53%    | 564,444           | 367,765     | (196,679)    | -34.84%    |
| Small-Demand                   | 1,063,681   | 1,133,505   | 69,824      | 6.56%      | 3,129,110         | 3,438,991   | 309,881      | 9.90%      |
| Large                          | 853,261     | 740,892     | (112,369)   | -13.17%    | 2,567,689         | 2,299,184   | (268,505)    | -10.46%    |
| Public St. Lites               | 369,178     | 300,245     | (68,933)    | -18.67%    | 1,086,265         | 1,029,005   | (57,260)     | -5.27%     |
| Sub-total                      | 2,480,755   | 2,294,282   | (186,473)   | -7.52%     | 7,347,508         | 7,134,945   | (212,563)    | -2.89%     |
| Total-Civilian                 | 12,334,446  | 11,616,881  | (717,565)   | -5.82%     | 36,867,053        | 35,288,022  | (1,579,032)  | -4.28%     |
| USN                            | 1,605,862   | 1,598,842   | (7,020)     | -0.44%     | 4,722,830         | 4,725,481   | 2,651        | 0.06%      |
| Grand Total                    | 13,940,308  | 13,215,723  | (724,585)   | -5.20%     | 41,589,884        | 40,013,503  | (1,576,381)  | -3.79%     |
| % of Total Revenues            | 40.04%      | 40.15%      |             |            | 40.04%            | 40.43%      |              |            |
| Oil Revenues                   |             |             |             |            |                   |             |              |            |
| Residential                    | 6,669,424   | 6,345,374   | (324,050)   | -4.86%     | 20,131,168        | 19,277,045  | (854,123)    | -4.24%     |
| Small General-Non-Demand       | 1,156,709   | 794,525     | (362,184)   | -31.31%    | 3,429,133         | 2,485,050   | (944,082)    | -27.53%    |
| Small General-Demand           | 2,359,113   | 2,467,851   | 108,738     | 4.61%      | 7,052,203         | 7,515,636   | 463,433      | 6.57%      |
| Large                          | 4,154,197   | 3,861,023   | (293,174)   | -7.06%     | 12,371,077        | 11,576,525  | (794,552)    | -6.42%     |
| Independent Power Producers    | 5,246       | 5,102       | (144)       | -2.75%     | 15,623            | 14,498      | (1,126)      | -7.20%     |
| Private St. Lites              | 794         | 4,893       | 4,099       | 516.15%    | 2,400             | 15,324      | 12,925       | 538.65%    |
| Sub-total                      | 14,345,483  | 13,478,768  | (866,715)   | -6.04%     | 43,001,604        | 40,884,079  | (2,117,525)  | -4.92%     |
| Government                     |             |             |             |            |                   |             |              |            |
| Small_Non Demand               | 199,494     | 112,920     | (86,574)    | -43.40%    | 578,533           | 347,141     | (231,392)    | -40.00%    |
| Small-Demand                   | 1,214,752   | 1,328,098   | 113,346     | 9.33%      | 3,573,529         | 3,983,837   | 410,308      | 11.48%     |
| Large                          | 1,029,359   | 901,392     | (127,966)   | -12.43%    | 3,097,615         | 2,806,847   | (290,769)    | -9.39%     |
| Public St. Lites               | 120,279     | 41,767      | (78,513)    | -65.28%    | 353,909           | 275,789     | (78,120)     | -22.07%    |
| Sub-total                      | 2,563,884   | 2,384,177   | (179,707)   | -7.01%     | 7,603,586         | 7,413,613   | (189,973)    | -2.50%     |
| Total-Civilian                 | 16,909,368  | 15,862,945  | (1,046,423) | -6.19%     | 50,605,190        | 48,297,692  | (2,307,498)  | -4.56%     |
| USN                            | 3,966,132   | 3,834,187   | (131,945)   | -3.33%     | 11,664,368        | 10,652,801  | (1,011,568)  | -8.67%     |
| Grand Total                    | 20,875,500  | 19,697,133  | (1,178,368) | -5.64%     | 62,269,558        | 58,950,493  | (3,319,065)  | -5.33%     |
| % of Total Revenues            | 59.96%      | 59.85%      |             |            | 59.96%            | 59.57%      |              |            |
|                                |             |             |             |            |                   |             |              |            |
| Grand Total                    |             |             |             |            |                   |             |              |            |
| Residential                    | 10,831,900  | 10,333,720  | (498,180)   | -4.60%     | 32,695,298        | 31,319,319  | (1,375,979)  | -4.21%     |
| Small General-Non-Demand       | 2,183,190   | 1,544,644   | (638,546)   | -29.25%    | 6,472,196         | 4,788,160   | (1,684,036)  | -26.02%    |
| Small General-Demand           | 4,195,317   | 4,451,665   | 256,348     | 6.11%      | 12,541,253        | 13,436,022  | 894,768      | 7.13%      |
| Large                          | 6,960,826   | 6,436,132   | (524,695)   | -7.54%     | 20,729,137        | 19,390,231  | (1,338,906)  | -6.46%     |
| Independent Power Producers    | 26,554      | 9,864       | (16,690)    | -62.85%    | 79,078            | 26,341      | (52,737)     | -66.69%    |
| Private St. Lites              | 1,386       | 25,341      | 23,955      | 1728.45%   | 4,187             | 77,083      | 72,895       | 1740.82%   |
| Sub-total                      | 24,199,174  | 22,801,366  | (1,397,807) | -5.78%     | 72,521,149        | 69,037,156  | (3,483,994)  | -4.80%     |
| Government                     |             |             |             |            |                   |             |              |            |
| Small_Non Demand               | 394,129     | 232,560     | (161,569)   | -40.99%    | 1,142,977         | 714,906     | (428,071)    | -37.45%    |
| Small-Demand                   | 2,278,433   | 2,461,603   | 183,170     | 8.04%      | 6,702,640         | 7,422,829   | 720,189      | 10.74%     |
| Large                          | 1,882,619   | 1,642,284   | (240,335)   | -12.77%    | 5,665,304         | 5,106,030   | (559,274)    | -9.87%     |
| Public St. Lites               | 489,458     | 342,012     | (147,445)   | -30.12%    | 1,440,173         | 1,304,793   | (135,380)    | -9.40%     |
| Sub-total                      | 5,044,640   | 4,678,460   | (366,180)   | -7.26%     | 14,951,094        | 14,548,558  | (402,536)    | -2.69%     |
| Total-Civilian                 | 29,243,813  | 27,479,826  | (1,763,987) | -6.03%     | 87,472,243        | 83,585,714  | (3,886,530)  | -4.44%     |
| USN                            | 5,571,995   | 5,433,030   | (138,965)   | -2.49%     | 16,387,199        | 15,378,282  | (1,008,917)  | -6.16%     |
| Grand Total                    | 34,815,808  | 32,912,856  | (1,902,952) | -5.47%     | 103,859,442       | 98,963,996  | (4,895,447)  | -4.71%     |

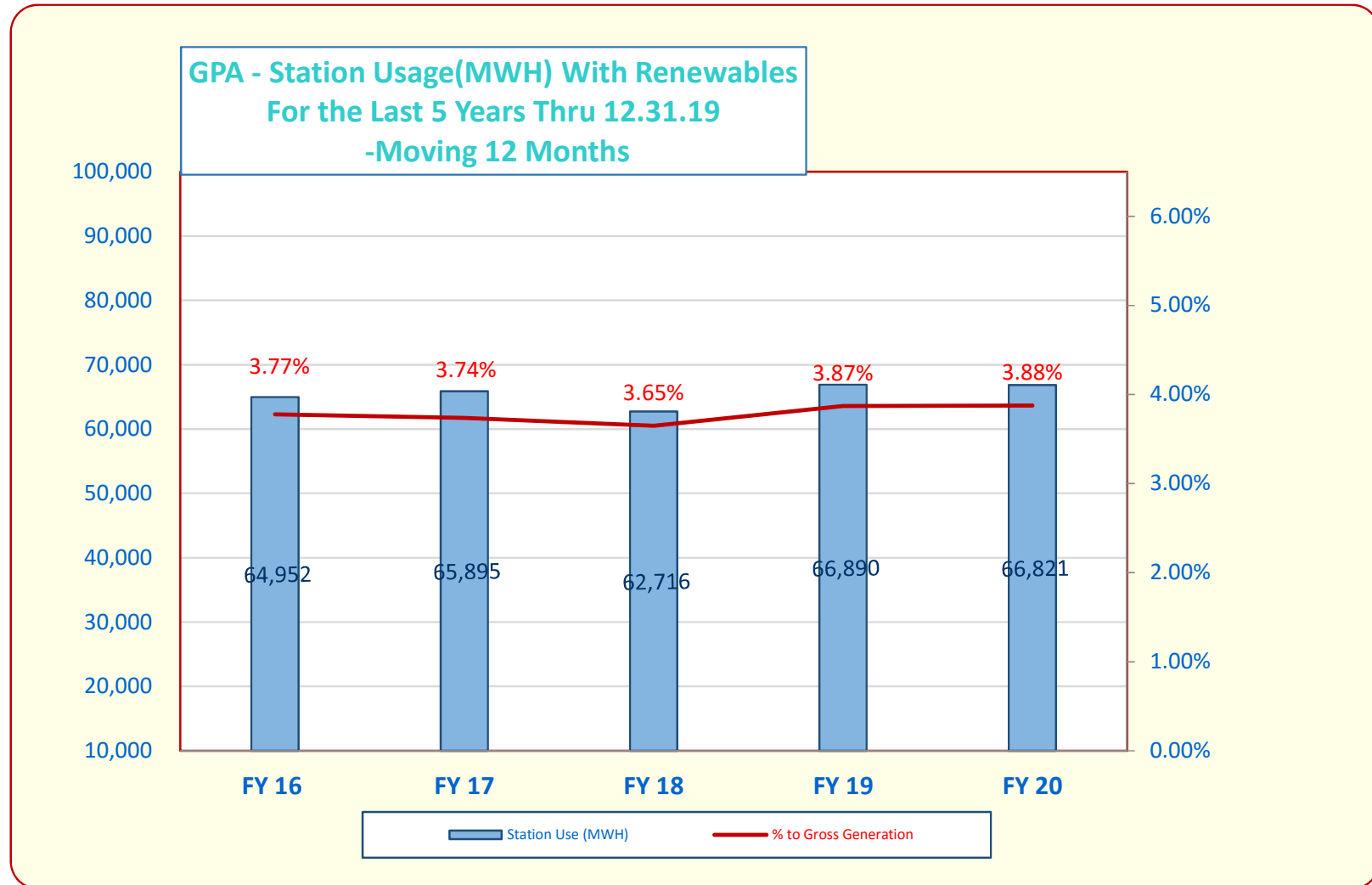
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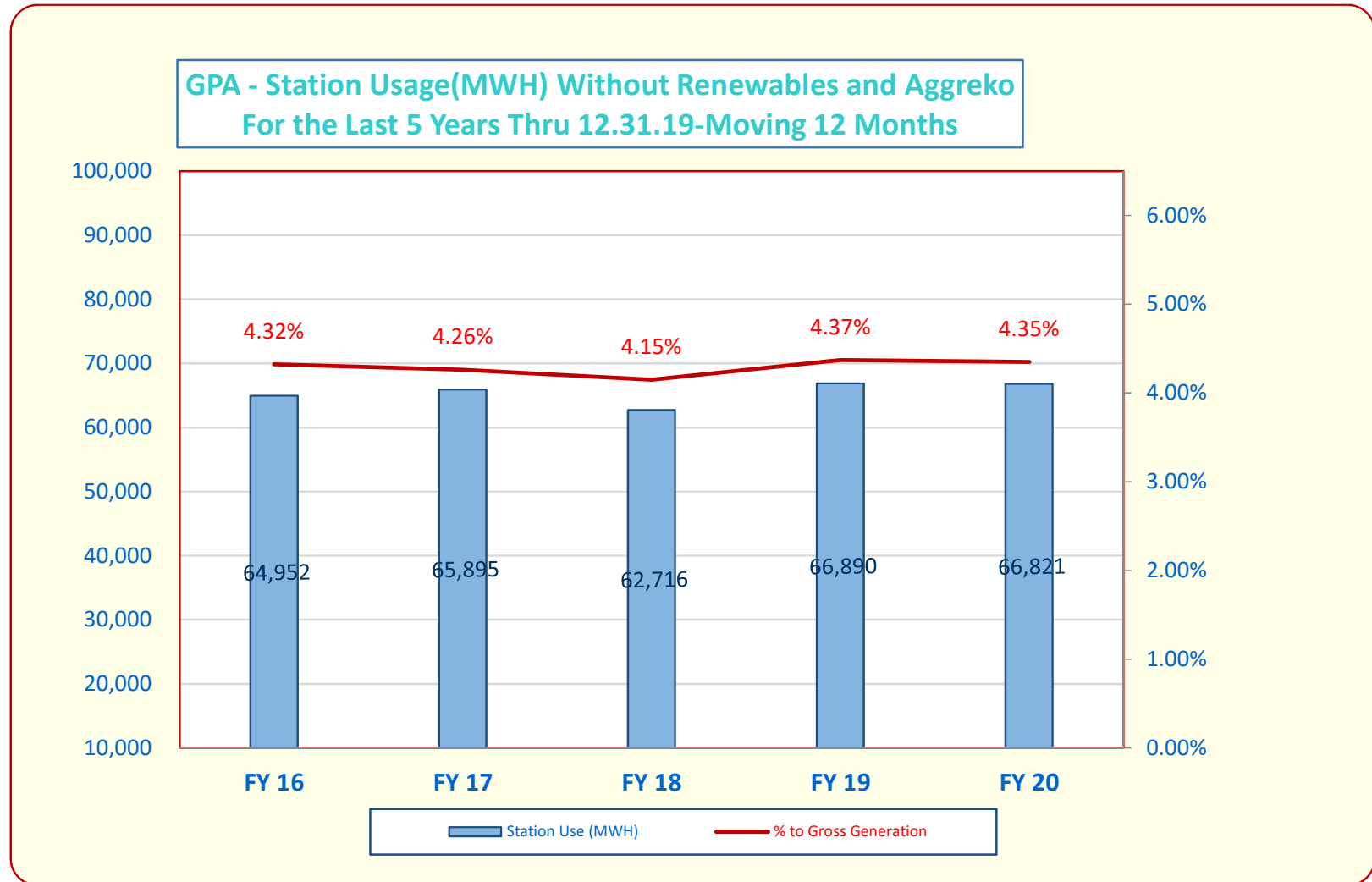
|                             | YTD REVENUES - CURRENT YEAR VS PRIOR YEAR |                    |                    |               | MTD REVENUES - CURRENT YEAR VS PRIOR YEAR |                    |                    |               |
|-----------------------------|---|--------------------|--------------------|---------------|---|--------------------|--------------------|---------------|
|                             | ACTUALS - 3 MONTHS ENDED DECEMBER 31      |                    |                    |               | ACTUALS - MONTH ENDED DECEMBER 31         |                    |                    |               |
|                             | 2019                                      | 2018               | VARIANCE           | % VARIANCE    | 2019                                      | 2018               | VARIANCE           | % VARIANCE    |
| <b>KWH</b>                  |   |                    |                    |               |   |                    |                    |               |
| Residential                 | 124,979,220                               | 124,634,320        | 344,900            | 0.28%         | 41,139,080                                | 41,291,151         | (152,072)          | -0.37%        |
| Small General-Non-Demand    | 16,111,373                                | 20,371,824         | (4,260,451)        | -20.91%       | 5,151,158                                 | 6,871,789          | (1,720,631)        | -25.04%       |
| Small General-Demand        | 48,748,270                                | 46,112,669         | 2,635,601          | 5.72%         | 16,007,245                                | 15,425,672         | 581,573            | 3.77%         |
| Large                       | 75,407,283                                | 76,803,303         | (1,396,020)        | -1.82%        | 25,153,208                                | 25,790,483         | (637,275)          | -2.47%        |
| Independent Power Producers | 97,342                                    | 94,886             | 2,456              | 2.59%         | 34,266                                    | 28,494             | 5,772              | 20.26%        |
| Private St. Lites           | 99,353                                    | 100,916            | (1,563)            | -1.55%        | 31,725                                    | 33,401             | (1,676)            | -5.02%        |
| <b>Sub-total</b>            | <b>265,442,842</b>                        | <b>268,117,917</b> | <b>(2,675,076)</b> | <b>-1.00%</b> | <b>87,516,681</b>                         | <b>89,440,990</b>  | <b>(1,924,309)</b> | <b>-2.15%</b> |
| Government                  |   |                    |                    |               |   |                    |                    |               |
| Small_Non Demand            | 2,250,625                                 | 3,533,772          | (1,283,147)        | -36.31%       | 732,098                                   | 1,218,540          | (486,443)          | -39.92%       |
| Small-Demand                | 25,828,484                                | 23,851,095         | 1,977,390          | 8.29%         | 8,610,483                                 | 8,107,721          | 502,763            | 6.20%         |
| Large                       | 18,422,481                                | 18,350,931         | 71,550             | 0.39%         | 5,917,603                                 | 6,098,140          | (180,536)          | -2.96%        |
| Public St. Lites            | 1,788,025                                 | 2,370,632          | (582,607)          | -24.58%       | 270,787                                   | 805,684            | (534,896)          | -66.39%       |
| <b>Sub-total</b>            | <b>48,289,616</b>                         | <b>48,106,430</b>  | <b>183,186</b>     | <b>0.38%</b>  | <b>15,530,972</b>                         | <b>16,230,084</b>  | <b>(699,113)</b>   | <b>-4.31%</b> |
| <b>Total-Civilian</b>       | <b>313,732,458</b>                        | <b>316,224,348</b> | <b>(2,491,890)</b> | <b>-0.79%</b> | <b>103,047,653</b>                        | <b>105,671,074</b> | <b>(2,623,421)</b> | <b>-2.48%</b> |
| USN                         | 76,599,126                                | 77,991,690         | (1,392,564)        | -1.79%        | 25,910,039                                | 26,518,827         | (608,788)          | -2.30%        |
| <b>Grand Total</b>          | <b>390,331,584</b>                        | <b>394,216,038</b> | <b>(3,884,454)</b> | <b>-0.99%</b> | <b>128,957,692</b>                        | <b>132,189,902</b> | <b>(3,232,210)</b> | <b>-2.45%</b> |
| <b>Non-Oil Yield</b>        |   |                    |                    |               |   |                    |                    |               |
| Residential                 | 0.096354                                  | 0.096345           | 0.000009           | 0.01%         | 0.096948                                  | 0.096357           | 0.000591           | 0.61%         |
| Small General-Non-Demand    | 0.142949                                  | 0.137202           | 0.005747           | 4.19%         | 0.145621                                  | 0.137182           | 0.008440           | 6.15%         |
| Small General-Demand        | 0.121448                                  | 0.119666           | 0.001782           | 1.49%         | 0.123932                                  | 0.120323           | 0.003610           | 3.00%         |
| Large                       | 0.103620                                  | 0.102999           | 0.000621           | 0.60%         | 0.102377                                  | 0.103115           | -0.000739          | -0.72%        |
| Independent Power Producers | 0.121668                                  | 0.131125           | -0.009457          | -7.21%        | 0.138986                                  | 0.109002           | 0.029983           | 27.51%        |
| Private St. Lites           | 0.621604                                  | 0.619492           | 0.002111           | 0.34%         | 0.644531                                  | 0.620002           | 0.024528           | 3.96%         |
| <b>Sub-total</b>            | <b>0.106061</b>                           | <b>0.105575</b>    | <b>0.000485</b>    | <b>0.46%</b>  | <b>0.106524</b>                           | <b>0.105775</b>    | <b>0.000748</b>    | <b>0.71%</b>  |
| Government                  |   |                    |                    |               |   |                    |                    |               |
| Small_Non Demand            | 0.163406                                  | 0.150507           | 0.012899           | 8.57%         | 0.163421                                  | 0.152134           | 0.011286           | 7.42%         |
| Small-Demand                | 0.133147                                  | 0.133888           | -0.000740          | -0.55%        | 0.131642                                  | 0.138333           | -0.006691          | -4.84%        |
| Large                       | 0.124803                                  | 0.123884           | 0.000919           | 0.74%         | 0.125201                                  | 0.124588           | 0.000613           | 0.49%         |
| Public St. Lites            | 0.575498                                  | 0.467190           | 0.108308           | 23.18%        | 1.108787                                  | 0.465067           | 0.643720           | 138.41%       |
| <b>Sub-total</b>            | <b>0.147753</b>                           | <b>0.147717</b>    | <b>0.000036</b>    | <b>0.02%</b>  | <b>0.147723</b>                           | <b>0.150425</b>    | <b>-0.002702</b>   | <b>-1.80%</b> |
| <b>Total-Civilian</b>       | <b>0.112478</b>                           | <b>0.111986</b>    | <b>0.000492</b>    | <b>0.44%</b>  | <b>0.112733</b>                           | <b>0.112633</b>    | <b>0.000100</b>    | <b>0.09%</b>  |
| USN                         | 0.061691                                  | 0.061827           | -0.000136          | -0.22%        | 0.061707                                  | 0.059022           | 0.002686           | 4.55%         |
| <b>Grand Total</b>          | <b>0.102512</b>                           | <b>0.102063</b>    | <b>0.000449</b>    | <b>0.44%</b>  | <b>0.102481</b>                           | <b>0.101878</b>    | <b>0.000603</b>    | <b>0.59%</b>  |
| <b>Non-Oil Revenues</b>     |   |                    |                    |               |   |                    |                    |               |
| Residential                 | 12,042,274                                | 12,007,900         | 34,374             | 0.29%         | 3,988,346                                 | 3,978,685          | 9,661              | 0.24%         |
| Small General-Non-Demand    | 2,303,110                                 | 2,795,065          | (491,955)          | -17.60%       | 750,119                                   | 942,684            | (192,565)          | -20.43%       |
| Small General-Demand        | 5,920,385                                 | 5,518,113          | 402,273            | 7.29%         | 1,983,814                                 | 1,856,059          | 127,755            | 6.88%         |
| Large                       | 7,813,706                                 | 7,910,631          | (96,925)           | -1.23%        | 2,575,109                                 | 2,659,398          | (84,289)           | -3.17%        |
| Independent Power Producers | 11,843                                    | 12,442             | (599)              | -4.81%        | 4,762                                     | 3,106              | 1,657              | 53.34%        |
| Private St. Lites           | 61,758                                    | 62,517             | (758)              | -1.21%        | 20,448                                    | 20,709             | (261)              | -1.26%        |
| <b>Sub-total</b>            | <b>28,153,077</b>                         | <b>28,306,667</b>  | <b>(153,590)</b>   | <b>-0.54%</b> | <b>9,322,599</b>                          | <b>9,460,641</b>   | <b>(138,042)</b>   | <b>-1.46%</b> |
| Government                  |   |                    |                    |               |   |                    |                    |               |
| Small_Non Demand            | 367,765                                   | 531,858            | (164,093)          | -30.85%       | 119,640                                   | 185,382            | (65,742)           | -35.46%       |
| Small-Demand                | 3,438,991                                 | 3,193,364          | 245,628            | 7.69%         | 1,133,505                                 | 1,121,568          | 11,937             | 1.06%         |
| Large                       | 2,299,184                                 | 2,273,389          | 25,795             | 1.13%         | 740,892                                   | 759,757            | (18,865)           | -2.48%        |
| Public St. Lites            | 1,029,005                                 | 1,107,535          | (78,530)           | -7.09%        | 300,245                                   | 374,697            | (74,452)           | -19.87%       |
| <b>Sub-total</b>            | <b>7,134,945</b>                          | <b>7,106,145</b>   | <b>28,799</b>      | <b>0.41%</b>  | <b>2,294,282</b>                          | <b>2,441,404</b>   | <b>(147,121)</b>   | <b>-6.03%</b> |
| <b>Total-Civilian</b>       | <b>35,288,022</b>                         | <b>35,412,813</b>  | <b>(124,791)</b>   | <b>-0.35%</b> | <b>11,616,881</b>                         | <b>11,902,044</b>  | <b>(285,163)</b>   | <b>-2.40%</b> |
| USN                         | 4,725,481                                 | 4,822,013          | (96,532)           | -2.00%        | 1,598,842                                 | 1,565,181          | 33,661             | 2.15%         |
| <b>Grand Total</b>          | <b>40,013,503</b>                         | <b>40,234,826</b>  | <b>(221,323)</b>   | <b>-0.55%</b> | <b>13,215,723</b>                         | <b>13,467,226</b>  | <b>(251,502)</b>   | <b>-1.87%</b> |
| % of Total Revenues         |   |                    |                    |               |   |                    |                    |               |
| <b>Oil Revenues</b>         |   |                    |                    |               |   |                    |                    |               |
| Residential                 | 19,277,045                                | 19,223,847         | 53,198             | 0.28%         | 6,345,374                                 | 6,368,830          | (23,456)           | -0.37%        |
| Small General-Non-Demand    | 2,485,050                                 | 3,142,191          | (657,140)          | -20.91%       | 794,525                                   | 1,059,918          | (265,393)          | -25.04%       |
| Small General-Demand        | 7,515,636                                 | 7,109,515          | 406,121            | 5.71%         | 2,467,851                                 | 2,378,284          | 89,567             | 3.77%         |
| Large                       | 11,576,525                                | 11,790,256         | (213,731)          | -1.81%        | 3,861,023                                 | 3,959,108          | (98,085)           | -2.48%        |
| Independent Power Producers | 14,498                                    | 14,119             | 378                | 2.68%         | 5,102                                     | 4,249              | 852                | 20.06%        |
| Private St. Lites           | 15,324                                    | 15,565             | (241)              | -1.55%        | 4,893                                     | 5,152              | (258)              | -5.02%        |
| <b>Sub-total</b>            | <b>40,884,079</b>                         | <b>41,295,493</b>  | <b>(411,414)</b>   | <b>-1.00%</b> | <b>13,478,768</b>                         | <b>13,775,542</b>  | <b>(296,774)</b>   | <b>-2.15%</b> |
| Government                  |   |                    |                    |               |   |                    |                    |               |
| Small_Non Demand            | 347,141                                   | 545,056            | (197,915)          | -36.31%       | 112,920                                   | 187,950            | (75,030)           | -39.92%       |
| Small-Demand                | 3,983,837                                 | 3,678,841          | 304,997            | 8.29%         | 1,328,098                                 | 1,250,551          | 77,547             | 6.20%         |
| Large                       | 2,806,847                                 | 2,796,331          | 10,515             | 0.38%         | 901,392                                   | 929,029            | (27,637)           | -2.97%        |
| Public St. Lites            | 275,789                                   | 365,651            | (89,862)           | -24.58%       | 41,767                                    | 124,270            | (82,503)           | -66.39%       |
| <b>Sub-total</b>            | <b>7,413,613</b>                          | <b>7,385,879</b>   | <b>27,734</b>      | <b>0.38%</b>  | <b>2,384,177</b>                          | <b>2,491,801</b>   | <b>(107,623)</b>   | <b>-4.32%</b> |
| <b>Total-Civilian</b>       | <b>48,297,692</b>                         | <b>48,681,372</b>  | <b>(383,680)</b>   | <b>-0.79%</b> | <b>15,862,945</b>                         | <b>16,267,342</b>  | <b>(404,397)</b>   | <b>-2.49%</b> |
| USN                         | 10,652,801                                | 12,548,437         | (1,895,637)        | -15.11%       | 3,834,187                                 | 3,701,436          | 132,751            | 3.59%         |
| <b>Grand Total</b>          | <b>58,950,493</b>                         | <b>61,229,810</b>  | <b>(2,279,317)</b> | <b>-3.72%</b> | <b>19,697,133</b>                         | <b>19,968,778</b>  | <b>(271,646)</b>   | <b>-1.36%</b> |
| % of Total Revenues         |   |                    |                    |               |   |                    |                    |               |
| <b>Grand Total</b>          |   |                    |                    |               |   |                    |                    |               |
| Residential                 | 31,319,319                                | 31,231,747         | 87,572             | 0.28%         | 10,333,720                                | 10,347,514         | (13,794)           | -0.13%        |
| Small General-Non-Demand    | 4,788,160                                 | 5,937,256          | (1,149,095)        | -19.35%       | 1,544,644                                 | 2,002,603          | (457,958)          | -22.87%       |
| Small General-Demand        | 13,436,022                                | 12,627,628         | 808,394            | 6.40%         | 4,451,665                                 | 4,234,344          | 217,321            | 5.13%         |
| Large                       | 19,390,231                                | 19,700,887         | (310,656)          | -1.58%        | 6,436,132                                 | 6,618,506          | (182,374)          | -2.76%        |
| Independent Power Producers | 26,341                                    | 26,561             | (220)              | -0.83%        | 9,864                                     | 7,355              | 2,509              | 34.11%        |
| Private St. Lites           | 77,083                                    | 78,082             | (999)              | -1.28%        | 25,341                                    | 25,860             | (519)              | -2.01%        |
| <b>Sub-total</b>            | <b>69,037,156</b>                         | <b>69,602,160</b>  | <b>(565,005)</b>   | <b>-0.81%</b> | <b>22,801,366</b>                         | <b>23,236,182</b>  | <b>(434,816)</b>   | <b>-1.87%</b> |
| Government                  |   |                    |                    |               |   |                    |                    |               |
| Small_Non Demand            | 714,906                                   | 1,076,914          | (362,008)          | -33.62%       | 232,560                                   | 373,332            | (140,772)          | -37.71%       |
| Small-Demand                | 7,422,829                                 | 6,872,204          | 550,624            | 8.01%         | 2,461,603                                 | 2,372,119          | 89,484             | 3.77%         |
| Large                       | 5,106,030                                 | 5,069,721          | 36,310             | 0.72%         | 1,642,284                                 | 1,688,786          | (46,502)           | -2.75%        |
| Public St. Lites            | 1,304,793                                 | 1,473,186          | (168,393)          | -11.43%       | 342,012                                   | 498,967            | (156,955)          | -31.46%       |
| <b>Sub-total</b>            | <b>14,548,558</b>                         | <b>14,492,024</b>  | <b>56,534</b>      | <b>0.39%</b>  | <b>4,678,460</b>                          | <b>4,933,204</b>   | <b>(254,745)</b>   | <b>-5.16%</b> |
| <b>Total-Civilian</b>       | <b>83,585,714</b>                         | <b>84,094,185</b>  | <b>(508,471)</b>   | <b>-0.60%</b> | <b>27,479,826</b>                         | <b>28,169,387</b>  | <b>(689,561)</b>   | <b>-2.45%</b> |
| USN                         | 15,378,282                                | 17,370,451         | (1,992,169)        | -11.47%       | 5,433,030                                 | 5,266,617          | 166,412            | 3.16%         |
| <b>Grand Total</b>          | <b>98,963,996</b>                         | <b>101,464,636</b> | <b>(2,500,640)</b> | <b>-2.46%</b> | <b>32,912,856</b>                         | <b>33,436,004</b>  | <b>(523,148)</b>   | <b>-1.56%</b> |

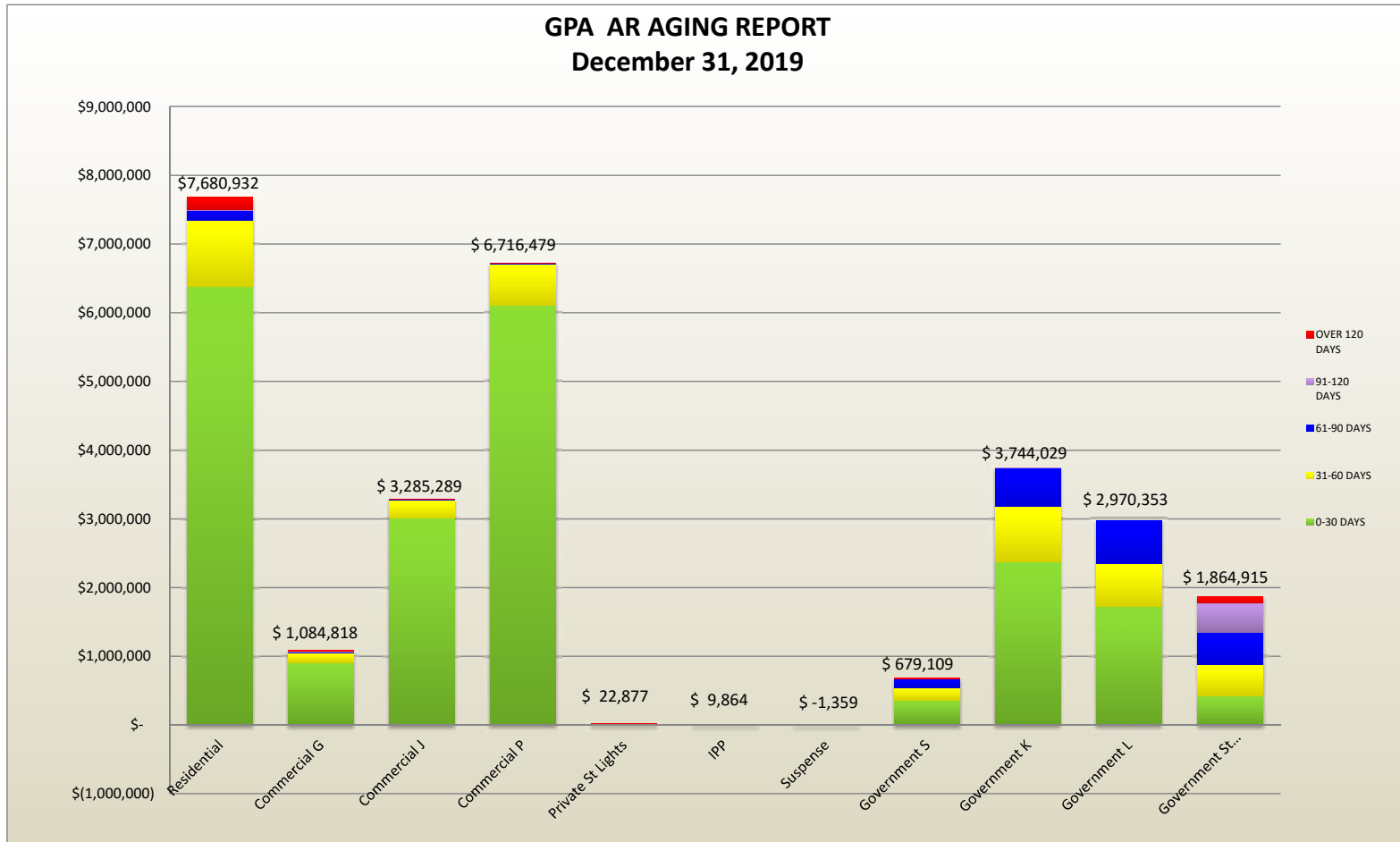












**GPA Work Session - February 20, 2020 - DIVISION REPORTS**

**GUAM POWER AUTHORITY  
GOVERNMENT ACCOUNTS RECEIVABLE**

Billing up to January 31, 2020 and payments as of 02/17/2020

|  |   |
|--|---|
|  | Current (01/20 Billing due 02/28/20)                  |
|  | 30 days Arrears (12/19 due 01/31/20)                  |
|  | 60 days and over Arrears (11/19 billing due 12/31/19) |

| CC&B ACCT NUMBER                  | CC&B New Acct Number | DEPARTMENT  | CC&B BALANCE 01/31/2020 | CANCEL/REBILL/ SPEC CHARGE 02/17/2020 | BILLING 01/31/2020     | PAYMENT UP TO 02/17/2020 | CC&B BALANCE 02/17/2019 |
|-----------------------------------|----------------------|---|-------------------------|---------------------------------------|------------------------|--------------------------|-------------------------|
| <b>Line Agencies</b>              |                      |   |                         |                                       |                        |                          |                         |
| 0237100000                        | 1073430238           | Dept. of Corrections                                    | 159,583.68              | 1,196.87                              | 76,740.74              | (159,583.68)             | 77,937.61               |
| 0437100000                        | 0040515913           | Dept. of Parks & Rec.                                   | 22,027.94               | (1,169.89)                            | 20,606.91              | (22,027.94)              | 19,437.02               |
| 0537100000                        | 0453170939           | Guam Fire Department                                    | 34,742.97               | 1.92                                  | 15,539.16              | (34,486.78)              | 15,797.27               |
| 6995000000                        | 8564647941           | DOA Supply Mgmt (NET METERED)                           | 829.53                  |                                       | 729.27                 | (829.53)                 | 729.27                  |
| 7895000000                        | 4211873236           | Dept. of Administration                                 | 2,997.20                |                                       | 2,854.50               | (2,997.20)               | 2,854.50                |
| 1337100000                        | 4554808900           | Nieves Flores Library                                   | 11,609.51               |                                       | 11,510.14              | (11,609.51)              | 11,510.14               |
| 2206200000                        | 9541109130           | General Services Agency                                 | 246.33                  |                                       | 267.48                 | (246.33)                 | 267.48                  |
| 2237100000                        | 1621790133           | DOA-Data Processing                                     | 9,791.08                | 73.43                                 | 9,263.58               |                          | 19,128.09               |
| 2337100000                        | 1896187753           | Dept. of PH&SS  | 212,633.71              | (19,776.46)                           | 56,130.19              | (209,476.89)             | 39,510.55               |
| 3237100000                        | 7252821074           | Dept. of Education                                      | 3,264,232.75            | 5,890.68                              | 1,015,636.23           | (1,181,738.92)           | 3,104,020.74            |
| 3337100000                        | 0266069082           | Guam Police Department                                  | 50,747.74               |                                       | 46,589.62              | (50,747.74)              | 46,589.62               |
| 3569100000                        | 6069461950           | Dept of Youth Affairs (Federal)                         | 608.23                  |                                       | 505.09                 | (608.23)                 | 505.09                  |
| 4437100000                        | 2913461537           | Dept. of Youth Affairs* (Local)                         | 13,574.09               |                                       | 12,322.48              | (13,574.09)              | 12,322.48               |
| 4737100000                        | 3404311949           | Guam Environmental Protect                              | 13,940.45               | 0.77                                  | 6,666.54               | (13,837.12)              | 6,770.64                |
| 5437100000                        | 3227759982           | Mental Health/Subst.                                    | 141,438.81              | 357.90                                | 43,245.70              | (92,595.44)              | 92,446.97               |
|                                   | 6841080463           | Guam Behavioral Health & Wellness                       | 5,619.91                | 15.46                                 | 1,712.82               | (3,558.91)               | 3,789.28                |
| 7200300000                        | 0070861777           | Veteran Affairs   | 4,043.23                | 30.32                                 | 1,832.90               | (2,015.91)               | 3,890.54                |
|                                   | 6243861917           | Guam Veterans Affairs Office                            | 0.00                    |                                       |                        |                          | 0.00                    |
| 7437100000                        | 8300435373           | Civil Defense (Military Affairs)                        | 37,997.28               | 284.98                                | 12,003.07              | (37,809.67)              | 12,475.66               |
| 7463300000                        | 7813165805           | Pacific Energy Resource Center                          | 2,142.26                | 16.07                                 | 698.51                 | (2,142.26)               | 714.58                  |
| 8137100000                        | 1595188609           | Dept. of Agriculture                                    | 19,639.51               | 72.56                                 | 8,993.09               | (9,966.34)               | 18,738.82               |
| 8337100000                        | 2535900089           | DPW-FAC Adm Account                                     | 63,645.66               | 256.61                                | 29,059.16              | (63,005.48)              | 29,955.95               |
| 8437100000                        | 7928924534           | Guam Visitors Bureau                                    | 4,990.84                |                                       | 4,326.04               | (9,316.88)               |                         |
| 8446300000                        | 7663706771           | Yona Senior Citizen Center                              | 3,044.21                | 22.83                                 | 788.81                 | (3,044.21)               | 811.64                  |
| 9437100000                        | 4129948191           | Dept of Chamorro Affairs/Chamorro Village               | 3,842.40                |                                       | 3,230.65               | (3,842.40)               | 3,230.65                |
|                                   | 3558733700           | Dept of Chamorro Affairs/Chamorro Village (NET METERED) | 140.85                  |                                       | 140.85                 | (140.85)                 | 140.85                  |
| 5247210000                        | 5247210000           | Mayors Council  | 20,107.97               | 200.81                                | 6,185.54               |                          | 26,494.32               |
| 6293410000                        | 6293410000           | Office of the Governor                                  | 27,293.13               |                                       | 23,992.04              | (27,293.13)              | 23,992.04               |
| 8555858369                        | 8555858369           | Dept of Chamorro Affairs (Guam Museum)                  | 68,512.90               | 513.85                                | 21,391.86              |                          | 90,418.61               |
|                                   | 1099514147           | Dept of Chamorro Affairs/Repository                     | 1,287.92                | 9.66                                  | 420.06                 |                          | 1,717.64                |
|                                   |                      | <b>Sub Total</b>  | <b>4,201,312.09</b>     | <b>(12,001.63)</b>                    | <b>1,433,383.03</b>    | <b>(1,956,495.44)</b>    | <b>3,666,198.05</b>     |
| <b>MAYORS</b>                     |                      |   |                         |                                       |                        |                          |                         |
| 0637100000                        | 3832327736           | Santa Rita Mayor  | 11,715.91               | 76.99                                 | 3,533.74               | (11,715.91)              | 3,610.73                |
| 0737100000                        | 9351070242           | Ordof/Chalan Pago Mayor                                 | 2,946.13                | 22.09                                 | 819.11                 | (2,946.13)               | 841.20                  |
| 1537100000                        | 6393530237           | Hagatna Mayor   | 1,793.23                | 13.45                                 | 557.42                 | (1,793.23)               | 670.87                  |
| 1637100000                        | 3293808984           | Piti Mayor  | 3,459.26                | 25.95                                 | 1,116.35               | (3,459.26)               | 1,142.30                |
| 1737100000                        | 8715052935           | Mongmong/Toto/Maite Mayor                               | 5,095.75                | 38.22                                 | 1,539.32               | (5,242.53)               | 1,430.76                |
| 2637100000                        | 0492244686           | Asan/Maina/Adelup Mayor                                 | 2,241.47                | 16.80                                 | 639.00                 | (2,241.47)               | 655.80                  |
| 2737100000                        | 8433959204           | Sinajana Mayor  | 11,775.97               | 88.31                                 | 3,391.82               | (11,775.97)              | 3,480.13                |
| 3637100000                        | 8041715847           | Dededo Mayor  | 20,637.63               | 154.79                                | 6,105.43               | (20,637.63)              | 6,260.22                |
| 4637100000                        | 7037924246           | Yigo Mayor  | 13,086.20               | 98.14                                 | 4,071.44               | (13,086.20)              | 4,169.58                |
| 5637100000                        | 7202265287           | Umatac Mayor  | 4,386.72                | 32.90                                 | 1,222.39               | (4,386.72)               | 1,255.29                |
| 6537100000                        | 8472200165           | Agana Hts. Mayor  | 12,800.62               | 96.02                                 | 4,301.85               | (12,800.62)              | 4,397.87                |
| 6637100000                        | 4469579988           | Merizo Mayor  | 4,377.72                | 32.84                                 | 1,278.90               | (4,377.72)               | 1,311.74                |
| 6737100000                        | 5763167341           | Barrigada Mayors Office                                 | 8,213.68                | 61.60                                 | 2,537.06               | (8,213.68)               | 2,598.66                |
| 7537100000                        | 7247791682           | Agat Mayor  | 10,479.32               | 80.10                                 | 2,839.38               | (10,479.02)              | 2,919.78                |
| 7637100000                        | 6078244037           | Inarajan Mayor  | 7,713.90                | 57.86                                 | 2,338.17               | (7,713.90)               | 2,396.03                |
| 8537100000                        | 6957205325           | Tamuning Mayor  | 19,981.81               | 149.86                                | 5,881.38               | (19,981.81)              | 6,031.24                |
| 8637100000                        | 1880297633           | Talofoto Mayor  | 6,510.26                | (378.58)                              | 2,393.14               | (6,510.26)               | 2,014.56                |
| 9537100000                        | 3631627996           | Mangilao Mayor  | 13,303.26               | 99.77                                 | 4,133.01               | (1,303.26)               | 16,232.78               |
| 9637100000                        | 1837525565           | Yona Mayor  | 4,140.91                | 31.06                                 | 1,447.34               | (4,140.91)               | 1,478.40                |
|                                   |                      | <b>Sub Total</b>  | <b>\$ 164,659.75</b>    | <b>\$ 798.17</b>                      | <b>\$ 50,146.25</b>    | <b>\$ (152,806.23)</b>   | <b>\$ 62,797.94</b>     |
| <b>DPW ACCOUNTS</b>               |                      |   |                         |                                       |                        |                          |                         |
| 4337100000                        | 3045433600           | DPW-Village St. Lights                                  | 1,391,687.61            | 30,846.09                             | 338,564.57             |                          | 1,761,098.27            |
| 5337100000                        | 0930959866           | DPW- Primary St. Lights                                 | 405,243.47              | 12,867.04                             | 74,743.00              |                          | 492,853.51              |
| 6337100000                        | 3088040552           | DPW-Sec/Colt St. Lights                                 | 87,922.30               | 2,667.49                              | 20,534.39              |                          | 111,124.18              |
| 7337100000                        | 0832698062           | DPW-Signal Lights                                       | 22,433.96               | 336.83                                | 10,574.30              | (22,445.04)              | 10,900.05               |
|                                   |                      | <b>Sub Total</b>  | <b>\$ 1,907,287.34</b>  | <b>\$ 46,717.45</b>                   | <b>\$ 444,416.26</b>   | <b>\$ (22,445.04)</b>    | <b>\$ 2,375,976.01</b>  |
| <b>(B) AUTONOMOUS/PUBLIC CORP</b> |                      |   |                         |                                       |                        |                          |                         |
| 1437100000                        | 1540692986           | Retirement Fund   | 6,995.23                |                                       | 6,458.16               | (13,453.39)              | -                       |
| 1915500000                        | 0563872892           | Guam Housing Corp Rental Division                       | 2,824.44                | (77.42)                               | 1,045.56               | (3,894.53)               | (101.95)                |
| 2437100000                        | 5434075703           | University of Guam                                      | 186,242.51              |                                       | 162,920.11             | (186,242.51)             | 162,920.11              |
| 4237100000                        | 7736362694           | Guam Airport Authority                                  | 533,907.05              | (5,157.71)                            | 533,733.31             | (547,758.27)             | 514,724.38              |
| 5357510000                        | 5357510000           | University of Guam (NET METERED)                        | 79,479.62               |                                       | 75,126.86              | (79,479.62)              | 75,126.86               |
| 6237100000                        | 1699407298           | G H U R A   | 15,115.50               | (240.32)                              | 23,514.17              | (26,659.76)              | 11,729.59               |
| 6437100000                        | 6518220019           | Guam Community College                                  | 51,291.47               |                                       | 49,178.81              | (51,291.47)              | 49,178.81               |
| 7237100000                        | 8302337726           | Guam Memorial Hospital                                  | 41,691.17               |                                       | 39,160.09              | (41,691.17)              | 39,160.09               |
| 8426836906                        | 8426836906           | Guam Memorial Hospital (NET METERED)                    | 154,175.43              |                                       | 136,746.63             | (154,175.43)             | 136,746.63              |
| 9137100000                        | 4474308144           | Port Authority of Guam                                  | 102,533.04              |                                       | 89,623.13              | (102,533.04)             | 89,623.13               |
| 9157510000                        | 9157510000           | Guam Community College (NET METERED)                    | 35,791.44               |                                       | 34,599.30              | (35,791.44)              | 34,599.30               |
| 9173210000                        | 9173210000           | Guam Solid Waste Authority                              | 7,400.91                | 0.21                                  | 6,461.01               | (7,372.28)               | 6,489.85                |
| 9337100000                        | 0838495949           | Guam Waterworks Authority                               | 1,431,014.35            | (10,615.66)                           | 1,354,406.39           | (1,431,014.35)           | 1,343,790.73            |
| 8237100000                        | 4075914809           | GPA   | 99,358.24               | (195,628.43)                          | 96,270.19              |                          | -                       |
|                                   |                      | <b>Sub Total</b>  | <b>\$ 2,747,820.40</b>  | <b>\$ (211,719.33)</b>                | <b>\$ 2,609,243.72</b> | <b>\$ (2,681,357.26)</b> | <b>\$ 2,463,987.53</b>  |
| <b>(C) OTHERS</b>                 |                      |   |                         |                                       |                        |                          |                         |
| 0337100000                        | 7541928173           | Guam Legislature  | 458.43                  |                                       | 361.62                 | (820.05)                 | -                       |
| 9503154359                        | 9503154359           | Guam Legislature (NET METERED)                          | 8,478.79                |                                       | 8,137.35               | (16,616.14)              | -                       |
| 1237100000                        | 8353274954           | Superior Court of Guam                                  | 64,948.29               | (110.94)                              | 59,554.45              | (124,391.80)             | -                       |
| 2537100000                        | 8108458168           | Guam Post Office (Agana)                                | 7,176.73                |                                       | 6,407.67               | (13,584.40)              | -                       |
| 2570200000                        | 8972267005           | Customs & Quarantine Agency                             | 639.62                  |                                       | 543.98                 | (1,183.60)               | -                       |
| 3537100000                        | 4530787043           | U.S. Post Office  | 40,039.57               |                                       | 37,715.53              | (40,039.57)              | 37,715.53               |
| 5537100000                        | 8607446612           | Dept. of Military Affairs                               | 157,640.78              | 616.92                                | 70,729.77              | (75,386.52)              | 153,600.95              |
| 3209463043                        | 3209463043           | Dept. of Military Affairs (NET METERED)                 | 34,179.14               | 136.91                                | 16,106.36              | (15,923.90)              | 34,498.51               |
| 5737100000                        | 6000770566           | KGTF  | 20,479.08               | 153.59                                | 6,401.22               | (20,479.08)              | 6,554.81                |
| 7281000000                        | 6602566745           | Tamuning Post Office                                    | 5,506.20                |                                       | 4,964.77               | (5,506.20)               | 4,964.77                |
|                                   |                      | <b>Sub Total</b>  | <b>\$ 339,546.63</b>    | <b>\$ 796.48</b>                      | <b>\$ 210,922.72</b>   | <b>\$ (313,931.26)</b>   | <b>\$ 237,334.57</b>    |
| <b>GRAND TOTAL</b>                |                      |   | <b>\$ 9,360,626.21</b>  | <b>\$ (175,408.86)</b>                | <b>\$ 4,748,111.98</b> | <b>\$ (5,127,035.23)</b> | <b>\$ 8,806,294.10</b>  |