



CONSOLIDATED COMMISSION ON UTILITIES

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

GUAM POWER AUTHORITY WORK SESSION

*CCU Conference Room
4:30 p.m., Thursday, May 23, 2019*

AGENDA

1. ISSUES FOR DECISION
 - 1.1 [Tank Farm New ULSD Pipeline System / Resolution 2019- 0 6](#)
 - 1.2 [Approval of Utility Energy Service Contract \(UESC\) Costs / Resolution 2019-07](#)
2. GM REPORT
 - 2.1 [Updates](#)
3. ISSUES FOR DISCUSSION
 - 3.1 [LEAC Filing](#)
 - 3.2 USDA Grants and Revolving Loan Fund (RLF)
4. DIVISION REPORTS
 - 4.1 [Administration: Customer Service, HR, Procurement, Safety](#)
 - 4.2 [Engineering & Technical: Engineering, IT, Planning & Regulatory, SPORD](#)
 - 4.3 [Finance Reports](#)
 - 4.4 Operations: Facilities, Generation, PSCC, T&D, Transportation
 - 4.5 Public Information Office
5. ANNOUNCEMENTS
 - 5.1 Next Meeting: CCU Meeting – May 28, 2019
6. ADJOURNMENT



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

Issues for Decision

Resolution No. 2019-06:

Relative to Authorizing Expenditure for the Tank Farm New ULSD Pipeline System (Design-Build)

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

The project's objective is to comply with USEPA's requirement for GPA to significantly reduce power plant emissions. GPA will comply with USEPA's requirement by procuring services for the design and construction of the Tank Farm New ULSD Pipeline System to supply ULSD oil to the Piti Tank Farm, and Power Plants TEMES 7, MEC 8 and MEC 9. The ULSD pipeline system consists of 8-inch, 12-inch, and 24-inch diameter pipes with supports/pedestals, pipe manifolds, valves, and pumping station to include motor, pumps, concrete roof, berms and pads. The 24-inch ULSD pipeline will be interconnected from the US Navy tie-in to tanks 1934 and 1935, the 12-inch pipeline will be interconnected from tanks 1934 and 1935 to the pumping station and the 6-inch pipeline will be interconnected from the pumping station to the Power Plants TEMES 7, MEC 8 and MEC 9. The ULSD pipeline system will be operated and maintained under USEPA and American Petroleum Institute (API) guidelines and regulations.

GPA seeks to comply with USEPA's Consent Decree.

Where is at?

GPA Tank Farm in Piti with pipe connections to Power Plants TEMES 7, MEC 8 and MEC 9.

How much will it Cost?

The anticipated cost is as follows

Engineering/Construction Management	\$ 100,000.00
AYM Contract (Design-Build)	<u>\$3,495,944.00</u>
Total	\$3,595,944.00

What is its funding Source?

Cabras 3&4 Insurance Proceeds

When will it be completed?

The anticipated schedule is as follows:

Planned Start:	July, 2019
Planned Finish:	July, 2020
Duration:	12 months



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GPA RESOLUTION NO. 2019 - 06

**RELATIVE TO AUTHORIZING EXPENDITURE FOR THE TANK FARM NEW ULSD PIPELINE SYSTEM
(DESIGN – BUILD)**

WHEREAS, the Guam Power Authority (GPA) is mandated by United States Environmental Protection Agency (USEPA) to significantly reduce power plant emissions; and

WHEREAS, GPA seeks to comply with the USEPA requirement through the use of Ultra Low Sulfur Diesel (ULSD) oil to fuel power plants; and

WHEREAS, GPA intends to build and use a pipeline system to supply ULSD oil to the Piti Tank Farm and Power Plants TEMES 7, MEC 8 and MEC 9; and

WHEREAS, the ULSD pipeline system consists of 8-inch, 12-inch, and 24-inch diameter pipes with supports/pedestals, pipe manifolds, valves, and pumping station to include motor, pumps, concrete roof, berms and pads; and

WHEREAS, the 24-inch ULSD pipeline will be interconnected from the US Navy tie-in to tanks 1934 and 1935, the 12-inch pipeline will be interconnected from tanks 1934 and 1935 to pumping station and the 6-inch pipeline will be interconnected from pumping station to the Power Plants TEMES 7, MEC 8 and MEC 9; and

WHEREAS, the ULSD pipeline system will be operated and maintained under USEPA, GEPA and American Petroleum Institute (API) guidelines and regulations; and

WHEREAS, the Procurement Officer has provided adequate public announcement for the Design-Build of GPA Tank Farm New ULSD Pipeline System through Bid Invitation No. GPA-027-19; and,

WHEREAS, three (3) qualified bidders submitted bids for GPA's consideration (Attached **Exhibit "A"**); and

WHEREAS, GPA's Evaluation Committee has determined AYM International, Inc. to be the lowest responsive bidder at a cost of \$3,495,944.00.

WHEREAS, the award of the Purchase Order to AYM International, Inc. has been made pursuant to a written finding by the Procurement Officer that the AYM International, Inc.'s offer meets the requirements of GPA and has been determined to be fair and reasonable.

1 **WHEREAS**, GPA has allocated \$5.9M from GPA's proceeds from the Cabras 3&4
2 Insurance Settlement to fund this expenditure; and

3 **WHEREAS**, the total cost exceeds the \$ 1.5M threshold requiring GPA to seek contract
4 approval and authorization from PUC; and

5 **WHEREAS**, GPA is requesting the approval of the CCU to petition the PUC for approval
6 to issue a Purchase Order for the Tank Farm New ULSD Pipeline System; and,
7

8 **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on Utilities,
9 subject to the review and approval of the Public Utilities Commission, as follows:

- 10 1. GPA's request to award the Contract for the Tank Farm New ULSD Pipeline System is
11 reasonable and prudent.
- 12 2. GPA is authorized to petition the Public Utilities Commission for approval to issue a
13 Purchase Order in the amount of \$ 3,495,944.00 for the design and construction of
14 the Tank Farm New ULSD Pipeline System utilizing Cabras 3&4 Insurance Proceeds.
- 15 3. Upon PUC approval, the General Manager is hereby authorized obligating authority
16 of \$3,495,944 for the purpose of securing design-build services for the GPA Tank
17 Farm New ULSD Pipeline System.

18
19 **RESOLVED**, that the Chairman certifies and the Board Secretary attests the adoption of
20 this Resolution.

21 **DULY AND REGULARLY ADOPTED AND APPROVED THIS 28th DAY OF MAY, 2019.**

22
23 Certified by:

23 Attested by:

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27 _____
28 JOSEPH T. DUENAS

27 _____
28 MICHAEL T. LIMTIACO

29 Chairperson

29 Secretary

30 Consolidated Commission on Utilities

30 Consolidated Commission on Utilities

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34 **SECRETARY'S CERTIFICATE**
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I, Michael T. Limtiaco, Secretary for the Consolidated Commission on Utilities (CCU), as

evidenced by my signature above do certify as follows:

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






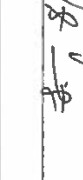


Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

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

PRINT NAME:	COMPANY NAME:	SIGNATURE:	DATE:
1 NIVER KANNA	TRISTAR TERMINALS huamda		04/02/19
2 Brian Park			
3 Harold W	AVM Int'l Inc		4/2/19
4 ROBERT W. THAYER JR	RWB & Sons Inc.		04/02/19.
5 NOEL LOPEZ	J&B modern tech		4.2.19
6 Honorable JUAN ESTRADA	GPA ENG'g / PM		4/2/19
7manuel minas	GPA eng'g / pm		04/02/19
8 Sharlyne Tainetony	GPM		4/2/19
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NUMBER OF INVITATIONS ISSUED:

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NUMBER OF BIDS RECEIVED:

3

INVITATION NUMBER:

ITB GA-027-19

OPENING TIME:

04/02/2019 2:00 PM

PROCUREMENT DIVISION

GUAM POWER AUTHORITY

ABSTRACT OF BIDS

DESCRIPTION OF SUPPLIES OR SERVICES: GA Tank Farm new USDPipeline System Design-Build

DESCRIPTION CITY UNIT	LINE ITEM 1	LINE ITEM 2	LINE ITEM 3	LINE ITEM 4	LINE ITEM 5
Complete	360 Calendar Days from issuance of RFP				
BASIC					
UNIT COST					
PART NUMBER					
CATALOG NUMBER					
MANUFACTURER					
DELIVERY	270 Calendar days				
TOTAL LUMP SUM	6,794,811.52				
ALTERNATE					
UNIT COST					
PART NUMBER					
CATALOG NUMBER					
MANUFACTURER					
DELIVERY					
TOTAL LUMP SUM					

Bids For Award	
<input type="checkbox"/>	Lowest Responsive Bidder
<input type="checkbox"/>	Tie Bid
<input type="checkbox"/>	Only Bid
<input type="checkbox"/>	Other Than Lowest Responsive Bidder

PAGE 3 OF 3

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

[Signature] SIGNATURE

TABULATED BY: [Signature] DATE: 4/2/19

NAMES OF PERSONS PRESENT AT THE BID OPENING AND WHOM THEY REPRESENT			
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GUAM POWER AUTHORITY
ATURIDÂT ILEKTRESEDÂT GUAHAN
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Issues for Decision

Resolution No. 2019-07:

RELATIVE TO AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) PETITION THE PUC FOR APPROVAL OF THE UTILITY ENERGY SERVICE CONTRACT COSTS

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

This resolution seeks authorization to petition the PUC for the contract increase approval of Siemens to \$1,933,374 for projects related to demand side management and energy efficiency programs. Siemens was awarded the contract from the Request for Proposal No. GPA-RFP-16-013 issued in May 2016 for Partnering Opportunities for the Development of Demand-Side Energy Conservation Programs and Utility Energy Services Contract Programs. The Utility Energy Services Contract supports GPA's demand side management program in the implementation or execution of energy efficiency and renewable projects for our large customers which may include financing as well as technical support.

The tasks include energy efficiency projects at GDOE and potentially other schools on the island. The opportunity for the projects at Carbullido, George Washington and Southern schools will be during this summer while school is out of session. The majority of the contract cost, approximately 68%, is to be funded by grants.

Where is the location?

Most of the current contract costs will be used for energy efficiency projects at Carbullido Elementary School and the George Washington and Southern High Schools. In addition, some funds will be used at other schools, yet to be determined, for energy audits and an energy efficiency conference through the Guam Energy Office grant award.

How much will it cost?

Current contract costs are totaling \$1,933,374.

When will it be completed?

The projects for Carbullido, GW and Southern schools are expected to be completed by Summer 2019. The project under the Guam Energy Office must be completed before December 2020.

What is its funding source?

Of the total contract cost, \$1,311,100 or 68% is grant funded. \$500,000 is from the bond refinancing savings which was approved by CCU and PUC in January 2018. The balance of funds which would dependent on the grant award for the Electric Bus will be paid through CIP in FY 2020.



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RESOLUTION NO. 2019-07

**AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO PETITION THE PUC
FOR APPROVAL OF THE UTILITY ENERGY SERVICE CONTRACT COSTS**

WHEREAS, GPA issued GPA-RFP-16-013 for Partnering Opportunities for the Development of Demand-Side Energy Conservation Programs and Utility Energy Services Contract Programs; and

WHEREAS, Siemens was selected for the above solicitation and signed into a contract on May 15, 2017 for a base contract of 5 years with an optional renewal for 5 additional years (see Contract in **Exhibit A**); and

WHEREAS, the Utility Energy Services Contract supports GPA's demand side management program in the implementation or execution of energy efficiency and renewable projects for our large customers which may include financing as well as technical support; and

WHEREAS, Siemens' initial task was to provide energy efficient products for the UOG Sea Grant Office in a joint effort with UOG to promote Demand Side Management and provide a model reference for energy consumption and cost savings to similar buildings located in the UOG Dean Circle; and

WHEREAS, under this contract GPA also tasked Siemens to conduct a Feasibility Study on Guam Department of Education (GDOE) schools for energy efficiency and renewable projects and to execute a pilot project demonstrating cost savings through these programs; and

WHEREAS, the GDOE Feasibility Study and Pilot project is part of the Bringing Energy Solutions to Schools that was initially presented for the use of a portion of FY 18 bond refinancing savings; and

WHEREAS, during the evaluation of the GDOE schools, GPA, Siemens, and GDOE collaborated in developing grant proposals for several lighting retrofit projects at various schools as part of a Demand Side Management Program Expansion Project grant submittal for the FY2018 Energizing Insular Communities Program (EIC) under the Department of Interior, Office of Insular Affairs; and

WHEREAS, in September 2018, GPA received notice of award for \$1.2 M of grant funds for lighting retrofit at the George Washington and Southern High Schools (see Notice of Award in **Exhibit B**); and

WHEREAS, GPA and Siemens continue to collaborate on other grant opportunities to include Electric School Bus grant submittal which is anticipating an initial announcement of award selection end of May 2019; and

WHEREAS, the Guam Energy Office (GEO) has requested for GPA to execute a portion of their grant for Smart Energy Schools requiring energy audits and conference support to educate schools on the smart use of energy; and

WHEREAS, the GEO's grant scope is to be tasked to Siemens under their contract as well; and

WHEREAS, Siemens and GPA have met with other large commercial customers to include University of Guam and Navy to provide services as needed which would be at the expense of the customer, however no formal task requests have been received; and

Resolution No.: 2019-08

36 **WHEREAS**, the tasks for Siemens total more than \$1.8 M which exceeds the General Manager
37 approval authority and under the PUC Contract Protocol also requires PUC approval; and

38 **WHEREAS**, of the \$1.8M for current tasks, \$1.3M is to be funded through grant funds as shown in
39 **Exhibit C**; and

40 **WHEREAS**, the total contract costs may increase to \$1.93M should GPA be awarded the grant for
41 the Electric Bus to be announced in May 2019.

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

- 44
- 45 1. The General Manager is authorized to petition for approval of contract for Siemens for up
46 to \$1,933,374.
- 47

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

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52 **DULY and REGULARY ADOPTED this 28th day of May 2019.**

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Certified by:

Attested by:

JOSEPH T. DUENAS
CHAIRMAN

MICHAEL T. LIMTIACO
SECRETARY

Resolution No.: 2019-08

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SECRETARY'S CERTIFICATE

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

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

Resolution No.: 2019 - 08

EXHIBIT A

Contract

Resolution No.: 2019-08

EXHIBIT B

Notice of Award

EIC Grant (DOI/OIA)

Resolution No.: 2019-08

EXHIBIT C**Summary of Contract Costs**

	Task Description	Fund Source	Task Cost	Running Total	Status
1	DSM Model House @ UOG Sea Grant Office	GPA - DSM Funds	\$ 12,274	\$ 12,274	Completed
2	GDOE Feasibility Study & Carbullido Pilot	GPA - Bond Refinancing Savings	\$ 500,000	\$ 512,274	Study Completed / Pilot to start in June
3	GW Lighting Retrofit	Grant (DOI)	\$ 295,315	\$ 807,589	Scheduled for June
4	SHS Lighting Retrofit	Grant (DOI)	\$ 954,685	\$ 1,762,274	Scheduled for June
5	Guam Energy Office Energy Smart School Grant	DOE Grant (thru GEO)	\$ 61,100	\$ 1,823,374	Assigned to GPA / MOU in review

Subtotal \$ 1,823,374**Total to be funded by Grant Funds: \$ 1,311,100****Future Scope**

6	Electric School Bus Pilot Program	GPA (55%) / EPA DERA Grant (45%)	\$ 110,000	\$ 1,933,374	Grant submitted. Pending award announcement. Of a \$853K Grant, \$110K is for Siemens Scope.
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CONTRACT FOR TECHNICAL SERVICES

This CONTRACT is made and entered into on the 15th day of May, 2017, by **SIEMENS INDUSTRY, INC.**, hereinafter called the CONSULTANT, and the Guam Power Authority, hereinafter called GPA.

GPA engages the CONSULTANT to perform technical services for a project known and described as **Partnering Opportunities for the Development of Demand-Side Energy Conservation Programs and Utility Energy Services Contract Programs, GPA-RFP-16-013**, hereinafter called the "Project."

SECTION I - SERVICES OF THE CONSULTANT

The CONSULTANT shall perform the following technical services in accordance with the degree of care and skill that a registered professional in Guam would exercise under similar conditions:

- A. GPA and the CONSULTANT have entered into this contract, wherein GPA will call upon a task and discuss scope and schedule with the CONSULTANT. The CONSULTANT shall provide services as described in the task list provided in Exhibit A. This list is not all-inclusive; GPA can negotiate tasks so long as it falls under the scope of Demand-Side Energy Conservation Programs and Utility Energy Services Contracts.
- B. The CONSULTANT has assigned Mike Hubbard, SIEMENS' Senior Project Manager, as the Project Manager for this CONTRACT. Prior written approval is required in the event the CONSULTANT needs to change the Project Manager. The CONSULTANT shall submit the qualifications of the proposed substituted personnel to GPA for approval.
- C. The CONSULTANT shall submit all final documents in both hard copy and electronic format. The software version used shall be compatible to current GPA standards.

SECTION II – CONTRACT PERIOD

GPA and the CONSULTANT have agreed that this CONTRACT will be effective June 1st, 2017 for a base contract period of five years or until all of the tasks in Exhibit A are completed. Upon mutual agreement, the CONTRACT may be extended for a period no more than five years beyond the base contract term. GPA shall, at its sole discretion, determine task completion.

SECTION III - CONSULTANT'S COMPENSATION

The CONSULTANT's compensation for this CONTRACT shall be obtained from the customer, through savings generated from the effective implementation of demand-side energy conservation programs and Utility Energy Services Contracts. A portion of the savings generated through these programs and contracts shall be allocated to pay for the services the CONSULTANT has provided.

Compensation structure shall be developed by CONSULTANT for each project implemented, based on generated savings, and shall be included in the proposal during the design and construction of each

project. Compensation structure should meet the approval of GPA and DoD or any other federal agency to whom GPA and the CONSULTANT shall provide the programs and contracts.

SECTION IV – CONSULTANT’S STATUS

The CONSULTANT agrees that there shall be no employee benefits occurring from this CONTRACT, such as:

- A. Insurance coverage provided by GPA;
- B. Participation in the Government of Guam retirement system;
- C. Accumulation of vacation or sick leave;
- D. There shall be no withholding of taxes by GPA;
- E. That it is expressly understood and agreed that, in the performance of services under this CONTRACT, the CONSULTANT and its employees shall at all times act as independent CONSULTANTS with respect to GPA, and not as an employee or agent of GPA. Further, it is expressly understood and agreed by the parties that nothing contained in this CONTRACT shall be construed to create a joint venture, partnership, association, or other affiliation or like relationship and shall remain that of independent parties to a contractual relationship set forth in this CONTRACT.

SECTION V – GUAM POWER AUTHORITY’S RESPONSIBILITIES

- A. GPA shall designate a project manager during the term of this CONTRACT. The project manager has the authority to administer this CONTRACT and shall monitor compliance with all terms and conditions stated herein. All requests for information from or a decision by GPA on any aspect of the work shall be directed to the project manager.
- B. GPA shall review submittals by the CONSULTANT and provide prompt response to questions and rendering of decisions pertaining thereto, to minimize delay in the progress of the CONSULTANT’S work. GPA will keep the CONSULTANT advised concerning the progress of GPA’s review of the work. The CONSULTANT agrees that GPA’s inspection, review, acceptance or approval of CONSULTANT’S work shall not relieve CONSULTANT’S responsibility for errors or omissions of the CONSULTANT or its sub-consultant(s).
- C. Unless included in the CONSULTANT’S Services as identified in Section I, GPA shall furnish the CONSULTANT gratis, the following information or services for this Project:
 - 1. Available GPA data relative to policies, regulations, standards, criteria, studies, etc., relevant to the Project.

SECTION VI – INVOICING AND PAYMENT TERMS & CONDITIONS

This is a revenue-neutral, zero-cost contract, and GPA shall not be invoiced for any services provided by the CONSULTANT related to Demand-Side Management Program and Utility Energy Services Contract activities.

Upon the finalization of the contract for this RFP, GPA and the CONSULTANT shall create Demand-Side Energy Conservation and UESC Programs that shall be proposed to the DoD and any other federal agency. These programs shall include Invoicing and Payment Terms based on Energy Savings realized by

DoD or the federal agency through the implementation of the Demand-Side Energy Programs and UESC Programs. The CONSULTANT shall properly keep track of all invoices including supporting documents (i.e. timesheets, shipping invoices, consumable listings). All supporting documents must be regularly reviewed and approved by the GPA Project Manager prior to invoice submittal for charges. Once DoD has approved the programs proposed by GPA and the CONSULTANT, invoicing shall commence based on the Payment Terms and Conditions proposed by the CONSULTANT. All invoices will be paid net 30 days from date invoice is received at the GPA Accounting Department. Payment shall be made using a method mutually agreed upon by GPA and the CONSULTANT.

SECTION VII - TERMINATION

The Procurement Officer may, when the interest of GPA or the Territory so require, terminate this contract in whole or in part, for the Convenience of the Territory. The Procurement Officer shall give written notice of the termination to the CONSULTANT specifying the part of the contract terminated and when termination becomes effective. **[GSA Procurement Regulations 6-101.10.]**

Immediately after receiving such notice, the CONSULTANT shall discontinue advancing the services under this CONTRACT and proceed to close said operations under this CONTRACT. The CONSULTANT shall appraise the services it has completed and submit an appraisal to GPA for evaluation. GPA shall have the right to inspect the CONSULTANT'S work to appraise the services completed.

CONSULTANT shall deliver to GPA all drawings, special provisions, field survey notes, reports, estimates and any and all other documents or work product generated by the CONSULTANT under the CONTRACT, entirely or partially completed, together with all unused materials supplied by GPA.

In the event of such termination or abandonment, the CONSULTANT shall be paid for services performed prior to receipt of said notice of termination including reimbursable expenses then incurred.

If the remuneration scheduled hereunder is based upon a fixed fee or definitely ascertainable sum, the portion of such sum payable shall be proportionate to the percentage of services completed by the CONSULTANT based upon the scope of work set forth in Exhibit A, and shall be agreed upon mutually by the CONSULTANT and GPA. However, in no event shall the fee exceed that set forth in Section III.

GPA shall make final payment within thirty (30) days after the CONSULTANT has delivered the last of the partially completed items and the final fee has been agreed upon.

In the event this CONTRACT is terminated, GPA shall have the option of completing the work, or entering into a contract with another party for the completion of the work according to the provisions and agreements herein.

SECTION VIII – CHANGES

GPA may at any time, by written order ("Change Order"), make any changes or deletions in the services to be performed hereunder. If such changes or deletions cause an increase or decrease in the costs of doing work under this CONTRACT, or in the time required for this performance, an equitable adjustment shall be made as agreed to by the parties and the CONTRACT shall be modified in writing accordingly. CONSULTANT shall have no obligation to perform any Change Order work until the parties reached an agreement on the equitable adjustment of CONSULTANT's compensation and/or time for performance.

SECTION IX – ASSIGNMENT OF AGREEMENT

The CONSULTANT may not assign this CONTRACT, or any sum becoming due to under the provisions of this CONTRACT, without the prior written consent of GPA which consent shall not be unreasonably withheld, provided, however, that no consent will be required if, as a result of a corporate reorganization an affiliate of the CONSULTANT becomes the CONSULTANT's successor in interest.

SECTION X – FORCE MAJEURE

Neither party shall be liable for any delay in meeting or failure to meet its obligations under this CONTRACT due to a *Force Majeure*.

Force Majeure referred to herein shall mean an occurrence beyond the control and without the fault or negligence of the party affected including, but not limited to, acts of God or the public enemy, expropriation or confiscation; changes in law procedures, war, rebellion, or riots; floods, unusually severe weather that could not reasonably have been anticipated; fires, explosions, epidemics, catastrophes, or other similar occurrences which are not within the control of the party affected. However, the following shall not be considered as *Force Majeure*:

- a) Delay caused by lack or inability to obtain raw materials, congestion at CONSULTANT's or its subcontractor's facilities, or elsewhere; market shortages, or similar occurrences, or
- b) Delay, either on the part of THE CONSULTANT or its subcontractors, caused by shortages of supervisors or labor, inefficiency, or similar occurrences, or
- c) Sabotage, strikes, or any other concerted acts of workmen, which occur only in the facilities of THE CONSULTANT or its subcontractors.

Should the circumstances of *Force Majeure* continue over a period of ninety (90) days, GPA has the right, if no other understanding is reached, to terminate the whole Agreement or any part thereof. Any delay or failure in performing the obligations under the Contract Documents of the parties hereto shall not constitute default under this CONTRACT or give rise to any claim for damages or loss or anticipated profits if, and to the extent, such delay or failure is caused by Force Majeure, and if a claim is made therefore.

SECTION XI - TAXES

The CONSULTANT shall be liable for Guam Gross Receipt Taxes and all other applicable taxes and duties. GPA shall have no tax liability under this order. Specific information on taxes may be obtained from the Director of Revenue and Taxation.

GPA is a government agency exempted from ALL government taxes as stipulated in the Guam Code Annotated.

SECTION XII – NOTICES

Any notice, demand or other document required or permitted to be delivered hereunder shall be in writing and may be delivered personally (not to include facsimile transmission) or shall be deemed to be delivered when received postage prepaid, registered or certified mail, return receipt requested, addressed to the parties at their respective address as specified herein:

TO: Siemens Industry, Inc.
Building Technologies Division

Contract for Technical Services
GPA-RFP-16-013

15900 SE Eastgate Way, Suite 200
Bellevue, WA 98008
ATTN: Vice President - Pacific Zone
FAX: (866) 394-2237

COPY: Siemens Industry, Inc.
Building Technologies Division
5333 Fairbanks Street, Suite B
Anchorage, AK 99518
ATTN: Branch Manager / Account Executive - Guam
FAX: (907) 563-6139

TO: Guam Power Authority
P.O. Box 2977
Hagatna, Guam 96932-2977
ATTN: General Manager
FAX: (671) 649-6942

SECTION XIII – GOVERNING LAW

The validity of this CONTRACT and any of its terms or provisions, as well as the rights and duties of the parties to this CONTRACT, shall be governed by the laws of Guam, and the Federal Acquisition Regulation (FAR), in cases where FAR preempts the laws of Guam.

SECTION XIV - SUPPLEMENTAL CONTRACT PROVISIONS

There are no supplemental contract provisions to this Contract.

SECTION XV – INDEMNIFICATION

The CONSULTANT shall indemnify and hold GPA harmless from any claim, liability or product liability, loss, damage, demand, cause of action or suit, expense, or reasonable fee of legal counsel to the extent resulting from negligent acts or omissions of the CONSULTANT, including its employees, agents and subcontractors.

SECTION XVI - LIMITATION OF LIABILITY

UNLESS OTHERWISE PROVIDED IN THE APPLICABLE TASK ORDER, NEITHER PARTY IS LIABLE TO THE OTHER, WHETHER BASED IN CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, INDEMNITY OR ANY OTHER LEGAL OR EQUITABLE THEORY, FOR: LOSS OF USE, REVENUE, SAVINGS, PROFIT, INTEREST, GOODWILL OR OPPORTUNITY, COSTS OF CAPITAL, COSTS OF REPLACEMENT OR SUBSTITUTE USE OR PERFORMANCE, LOSS OF INFORMATION AND DATA, LOSS OF POWER, VOLTAGE IRREGULARITIES OR FREQUENCY FLUCTUATION, CLAIMS ARISING FROM BUYER'S THIRD PARTY CONTRACTS, OR FOR ANY TYPE OF INDIRECT, SPECIAL, LIQUIDATED, PUNITIVE, EXEMPLARY, COLLATERAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR FOR ANY OTHER LOSS OR COST OF A SIMILAR TYPE.

UNLESS OTHERWISE PROVIDED IN THE APPLICABLE TASK ORDER, CONSULTANT'S MAXIMUM LIABILITY UNDER THIS CONTRACT SHALL BE LIMITED TO THE AMOUNT PAID TO THE CONSULTANT UNDER THAT TASK ORDER.

SECTION XVII – WORK PRODUCT DELIVERABLES

A. For the purposes of this Article "Intellectual Property" shall mean all trade secrets, patents and patent applications, trademarks (whether registered or unregistered and including any goodwill acquired in such trademarks), services marks, trade names, internet domain names, copyrights (including rights in computer software), moral rights, database rights, design rights, rights in know-how, rights in inventions (whether patentable or not) including, but not limited to, any and all renewals or extensions thereof, and all other proprietary rights (whether registered or unregistered, and any application for the foregoing), and all other equivalent or similar rights which may subsist anywhere in the world, including, but not limited to, any and all renewals or extensions thereof.

B. For the purposes of this Article, "CONSULTANT's Pre-Existing Intellectual Property" shall mean any Intellectual Property: (i) that has been conceived or developed by an employee or subcontractor of CONSULTANT before CONSULTANT performs any services under this CONTRACT; (ii) that is conceived or developed by such employee or subcontractor at any time wholly independently of CONSULTANT performing services under this Contract.

C. All reports, drawings, field survey notes, special provisions, estimates and any other documents commissioned by or deliverable to GPA under this CONTRACT ("Work Product Deliverables") shall become GPA's property upon receipt by GPA. CONSULTANT may retain file copies of such Work Product Deliverables. All CONSULTANT's Pre-existing Intellectual Property that may be included in the Work Product Deliverables provided to GPA under this CONTRACT shall also remain CONSULTANT's property. CONSULTANT hereby grants GPA a royalty-free, non-transferable, perpetual, nonexclusive license to use any CONSULTANT's Pre-existing Intellectual Property solely as incorporated into the Work Product Deliverables provided to GPA under this CONTRACT. Under such license, GPA and the customer shall have a right to:

- (a) Use, in object code form only, any software that is owned or licensed by the CONSULTANT and that is included in the Work Product Deliverables ("Software Deliverables"); and
- (b) Use all such Work Product Deliverables, provided however, that such use shall be limited to the particular project and location for which the Deliverables are provided. Any reuse of such Deliverables for other projects or locations without the written consent of the CONSULTANT will be at user's risk and without liability to the CONSULTANT.
- (c) In consideration of such license, GPA agrees not to reverse engineer any Work Product Deliverables to discover any source code, object code, firmware, underlying ideas, or algorithms of such Deliverables.

SECTION XVIII - HAZARDOUS MATERIALS

A. For the purposes of this Article, "Hazardous Materials" means any material, substance, or waste, that, by reason of its composition or characteristics, is hazardous to human health and/or the environment, including any "solid waste" or "hazardous waste," as those terms are defined by the Resource Conservation and Recovery Act of 1976, as amended, any "hazardous substance," as that term is defined by the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, and any other hazardous, toxic or radioactive chemical, waste, byproduct, pollutant, contaminant, compound, product, material or substance, including without limitation, Asbestos, Asbestos containing materials ("ACM"),

polychlorinated biphenyls, petroleum (including crude oil or any fraction or byproduct thereof), hydrocarbons, radon, urea, urea formaldehyde, and any other material that is prohibited, controlled, limited or regulated in any manner under any Environmental Laws.

B. CONSULTANT's services under this CONTRACT shall not include, either directly or indirectly, performing or arranging for the detection, monitoring, handling, storage, removal, transportation, disposal, or treatment of Hazardous Materials. In the event that CONSULTANT encounters any Hazardous Materials or other hazardous conditions at a project site, CONSULTANT shall immediately stop work in the area affected and report the condition to customer and GPA. CONSULTANT shall not have any liability arising from pre-existing Hazardous Materials present or howsoever occurring at, on or under a project site. To the extent that such Hazardous Materials impact CONSULTANT's schedule or cost to complete the work, CONSULTANT shall be entitled to a scope Change Order for such impact.

SECTION XIX – DISPUTES

All controversies between GPA and the CONSULTANT which arise under, or are by virtue of, this CONTRACT and which are not resolved by mutual agreement, shall be resolved under Guam Procurement Law and the Government Claims Act, and pursuant to the laws of Guam.

SECTION XX – RELEASE OF INFORMATION

The CONSULTANT shall not release any information, including the contract price; concerning this project or any part thereof in any form, including advertising, news releases, or professional articles, without written permission from GPA.

SECTION XXI – INSURANCE

The CONSULTANT shall not commence work under this CONTRACT until he has obtained reasonable insurance for Auto Liability and Worker's Compensation and Employer's Liability up to the statutory limits. The CONSULTANT shall maintain all insurance required during the course of the work.

SECTION XXII – LICENSING

CONSULTANTS are reminded that GPA will not consider for award any offer submitted by a CONSULTANT who has not complied with the Guam Licensing Law. Specific information on licenses may be obtained from the Director of Revenue and Taxation.

SECTION XXIII – COVENANT AGAINST CONTINGENT FEES

The CONSULTANT warrants that it has not employed any person to solicit or secure any resultant contract upon agreement for a commission, percentage, brokerage, or contingent fee. Breach of this warranty shall give the Guam Power Authority the right to terminate the CONSULTANT, or in its discretion, to deduct from the Contract price or consideration the amount of such commission, percentage, brokerage, or contingent fees. This warranty shall not apply to commission payable by CONSULTANTS upon contracts or sales secured or made through, bona fide established commercial or selling agencies maintained by the CONSULTANT for the purpose of securing business.

GPA-RFP-16-013

**Partnering Opportunities for the Development of Demand-Side Energy Conservation
Programs and Utility Energy Services Contract Program**

EXHIBIT A: Potential Scopes of Work

Potential Project Scope
Potential Renewable Energy Project Development/Construction
Solar PV Ground Mounted Systems
Rooftop PV Systems
Wind Turbine Generator Systems
Core Energy Services
Energy audits including recommendations for energy efficiency measures (EEM)
Investment Grade Audits
Project scope development
Engineering and design
Financing
Equipment selection and purchasing
Construction management
Commissioning
Project documentation
Training owner's operating staff
Guarantee of savings through ongoing monitoring and verification activities
Other Services
Operations and maintenance of equipment
Energy management services
Chauffage: supplying end-use heating, air-conditioning, lighting, etc. for an agreed-upon rate and period of time.
Measurement and Verification (M&V)
Other Services as required to serve GPA's Federal Client



United States Department of the Interior

OFFICE OF THE SECRETARY
Washington, DC 20240

SEP 28 2018

Mr. John M. Benavente, P.E.
General Manager
Guam Power Authority
Post Office Box 2977
Hagåtña, Guam, 96932

Dear Mr. Benavente:

I am pleased to award the Guam Power Authority a total of \$1,250,000 in Fiscal Year 2018 grant funding through the Office of Insular Affairs' Energizing Insular Communities (EIC) program. Due to budget constraints, I am not able to fund other grant proposals submitted by the Guam Power Authority. Funding is awarded for the following two projects, as outlined in the proposals dated May 25, 2018:

- \$954,685 – GUAM-EIC-2018-1, Bringing Energy Savings To (BEST) Schools, Southern High School LED Lighting Retrofit
- \$295,315 – GUAM-EIC-2018-2, Bringing Energy Savings To (BEST) Schools, George Washington High School LED Lighting Retrofit

Please feel free to contact me directly if you have any questions or concerns. You may also have your staff contact Krystina Alfano by e-mail at krystina_alfano@ios.doi.gov or by phone at 202-219-8536, should there be any issues regarding these grants.

Sincerely,

Nikolao I. Pula
Director
Office of Insular Affairs

cc: Mr. Jon J.P. Fernandez, Superintendent of Educationp



GUAM POWER AUTHORITY

**ATURIDAT ILEKTRESEDAT GUAHAN
P O BOX 2977, HAGATNA, GUAM 96932-2977**

May 25, 2018

The Honorable Douglas W. Dumanech
Assistant Secretary of Insular and International Affairs
U.S. Department of the Interior
1849 C Street, N.W.
Mail-Stop 2429
Washington, D.C. 20240

PROJECT TITLE: GPA Demand Side Management Expansion Program
SUBJECT: Empowering Insular Communities Program (EIC)
CFDA No. 15.875
Fiscal Year 2018 Grant Application

Dear Honorable Douglas W. Dumanech:

Hafa Adai! The Guam Power Authority (GPA) submits for this grant opportunity its Demand-Side Management Program Expansion Project. Our Demand-Side Management program, also known as the Energy Sense Program has Energy Efficiency Initiatives that GPA offers as rebate incentives for our customers. The Program currently offers rebates for Energy Star Washer & Dryer Units, Energy Star Window-Type Air Conditioning, and qualifying AHRI-certified Ducted and Ductless-Split Air Conditioning.

Since the re-launch of the rebate program, GPA has paid out over \$M1 in rebates for over 3,200 submitted applications as of March 2018. With the anticipated population boom on-island due to the import of Marine Soldiers to Guam, the Authority has embarked on DSM efforts in able to manage the expected increase in load with the replacement of inefficient and near-obsolete appliances and equipment with those that are third-party certified to be energy-efficient.

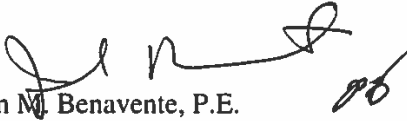
The Authority would like to increase impacts of Demand-Side Management by extending the current Rebate Program to other types of electrical equipment like lighting and water heating to both residential and commercial customers. This will allow Guam to reduce power costs, debilitate the increasing trend of the Island Wide Power System peak, and thereby save the utility and its ratepayers money in the form of avoided peak generation and avoided energy that would otherwise serve the load differential.

PROJECT TITLE: GPA Demand Side Management Expansion Program
SUBJECT: Empowering Insular Communities Program (EIC)
CFDA No. 15.875
Fiscal Year 2018 Grant Application

Ultimately, the program expansion will pose benefits to GPA's ratepayers by lowering their utility bills, catalyze reduction in fuel imports due to higher efficiency products, lower greenhouse gas emissions, as well as lowering the demand needed to serve the island the power its needs.

We look forward to your consideration of this request and appreciate this funding opportunity.

Si Yu'os Ma'ase,


John M. Benavente, P.E.
General Manager

cc: Krystina Alfano, EIC Grant Manager

GENERAL MANAGER'S REPORT

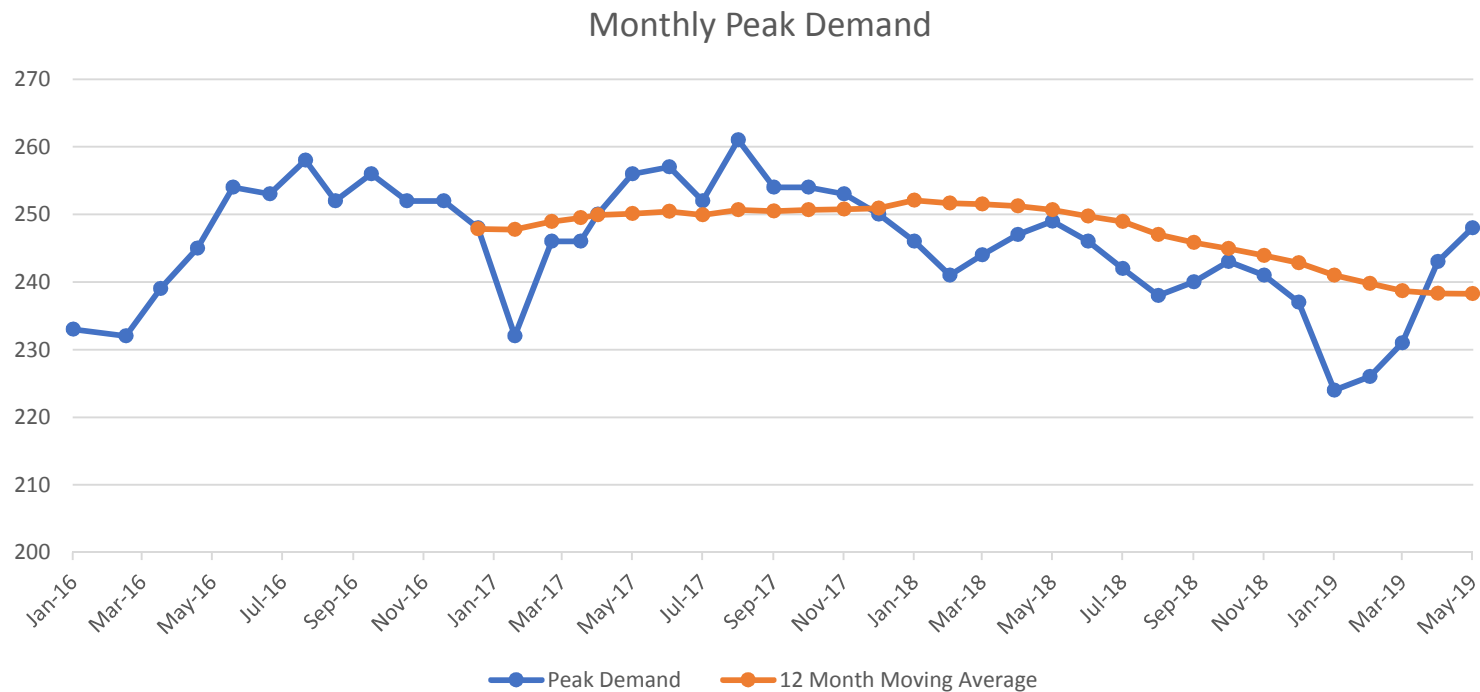
MAY 2019



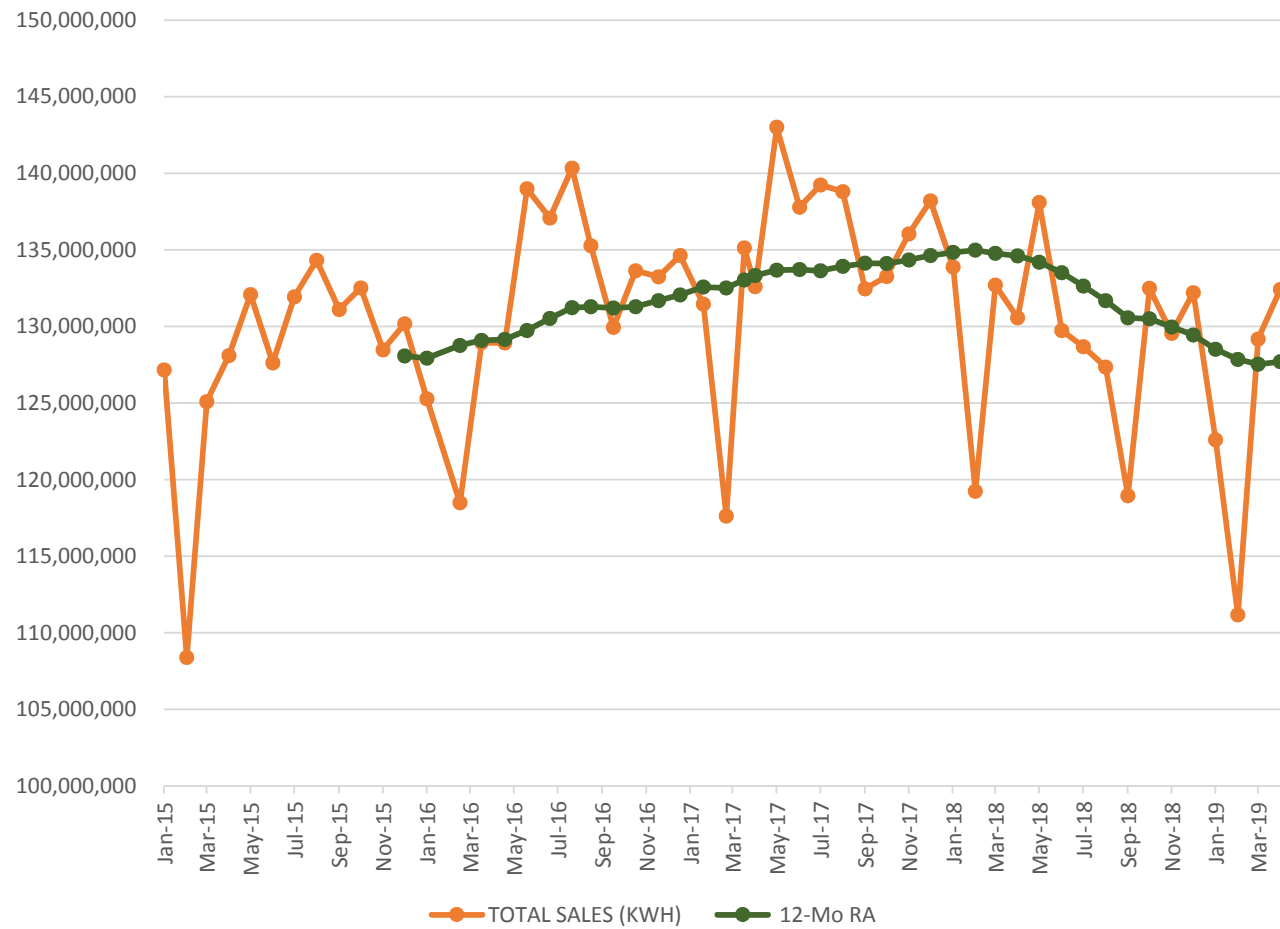
1. **Generation System:** The following summarizes the generation forecast for June 2019:

Projected Available Capacity: 397 MW
 Projected Demand: 245 MW
 Anticipated Reserve Margin: 152 MW

Peak Demand Trend. The following shows the Peak demand from January 2017 to May 2019 and the running 12-months trend:



Monthly Energy Sales



Demand Side Management (DSM)

2. Program directly reduces energy cost to customer at a one time fixed rebate. GPA currently funded \$3.9M from base rate. Program growing exponentially and GPA base rate not able to fund the growth.

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19 thru 4/30/19*	Total to Date
Regular/OT Pay	\$11,348.80	\$22,256.00	\$26,121.83	\$ 28,166.28	\$ 87,892.91
Other Contractual	\$28,278.50	\$85,550.05	\$116,977.50	\$ 3,025.00	\$ 233,831.05
Ads & Radio Announcements	-	-	-	\$ 4,000.00	\$ 4,000.00
Paid Rebates-Split AC	\$ 154,700.00	\$ 557,275.00	\$ 1,247,000.00	\$ 624,700.00	\$ 2,583,675.00
Paid Rebates- Central AC	\$ 3,400.00	\$ 8,200.00	\$ 4,400.00	\$ 3,400.00	\$ 19,400.00
Paid Rebates- Washer/Dryer	\$ 2,800.00	\$ 7,425.00	\$ 48,800.00	\$ 60,000.00	\$ 119,025.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,443,299.33	\$ 723,291.28	\$3,047,823.96

3. Net Metering (NEM) Credit Adjustment:

CCU approved GPA filing a petition to the PUC to consider changes to the existing net metering credit. GPA filed with PUC for adjustment of net metering credits from retail to avoided cost with a grandfather phase-out approach over 5 years to the GPA avoided cost credit. PUC engaged its consultant Daymark to review the petition. The PUC has conducted three public hearings on the petition. A decision by the PUC is anticipated soon. The following summarizes Net Metering Customers as of April 2019:

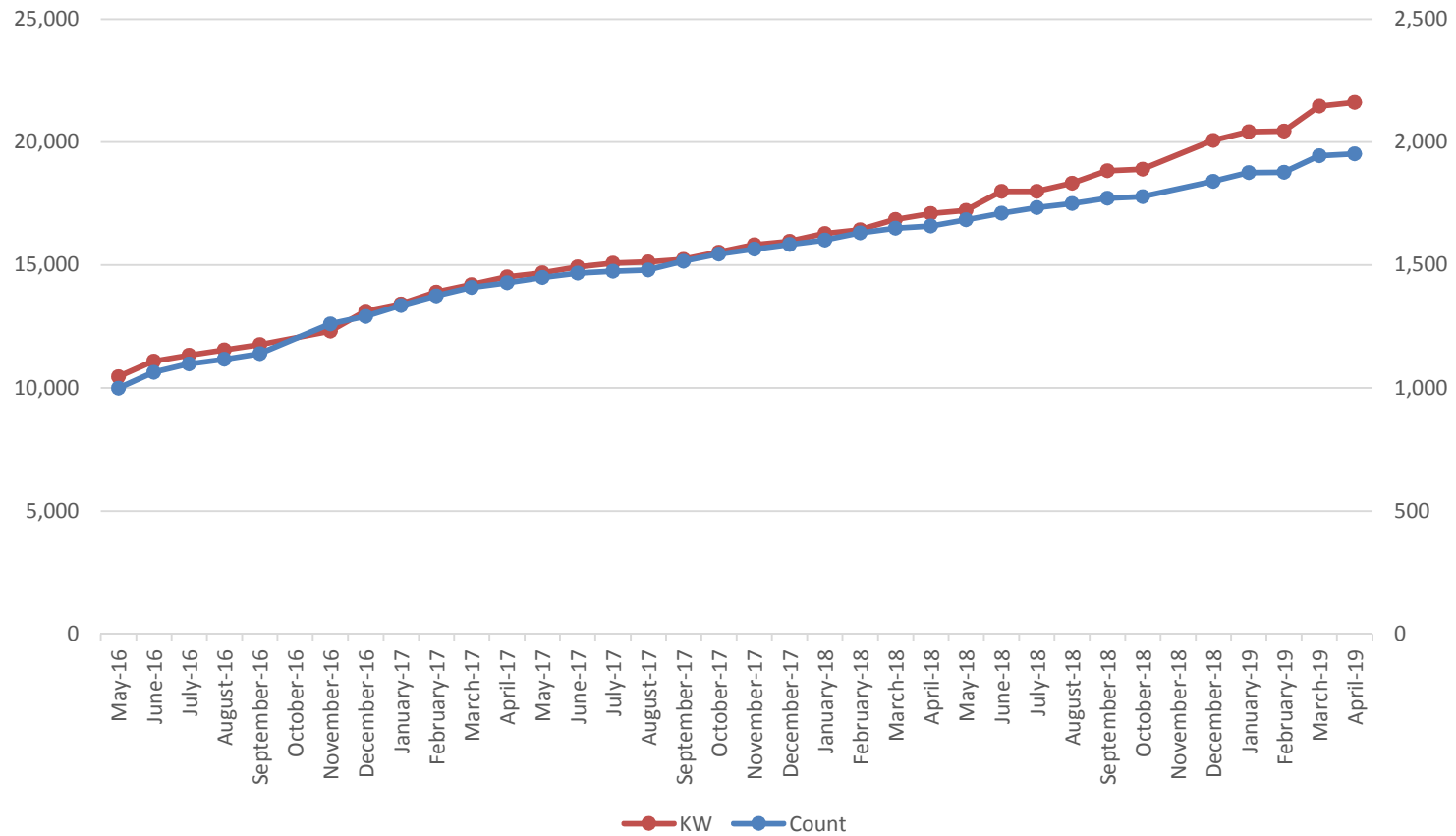
Net Metering Summary Ending April 2019:

Description:	Count	Kw
Active	1,951	21,611
Pending	1	7
Totals:	1,952	21,618

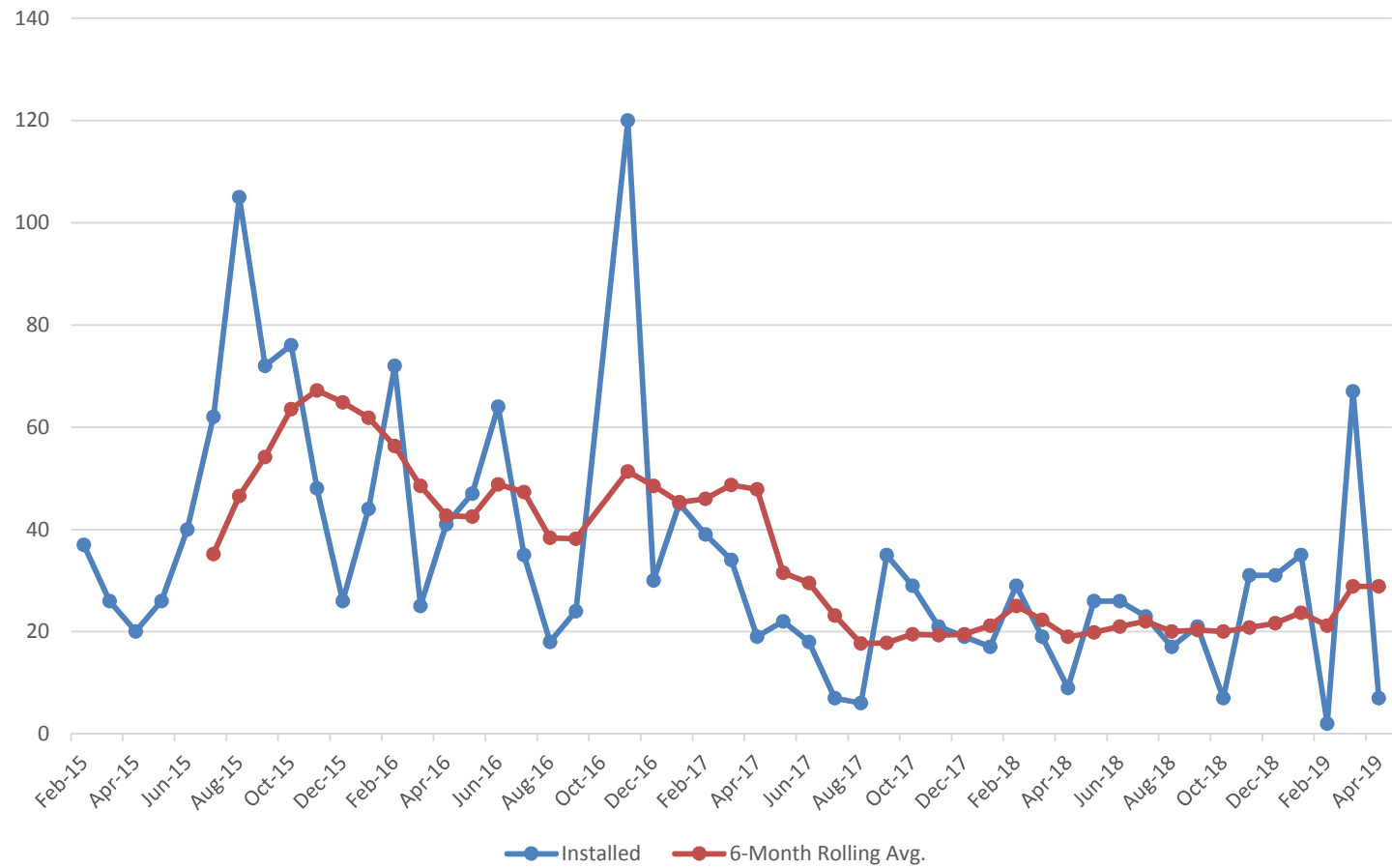
Service:	Count	KW	Kw/Customer
Residential	1,846	17,291	9.4
Others	105	4,320	41.1
Total:	1,951	21,611	11.1
% Residential	94.6%	80.0%	
Estimated 12 Months Revenue Impact:	\$3,424,495		



NEM KW Capacity and Count Ending April 2019



NEM Installed Monthly



4. PUC NEM Public Hearings:

Three NEM public hearings were held by the Public Utilities Commission between March 26th to April 4th regarding GPA's petition for Modification of Current Net Metering Rider (GPA Docket No. 19-04). The May PUC Agenda is pending.

5. GPA's Village Management Program (VMP):

The program with the village Mayors of Asan, Piti, Agana-Heights, Mongmong-Toto, Ordot-Chalan Pago, Mangilao, Yona, Talofofo and Inarajan is showing progress in these villages. A drive thru the main road of these villages would show vegetation being cleared away from lines and poles painted with traffic yellow for safety. The program actually helps to beautify the island.



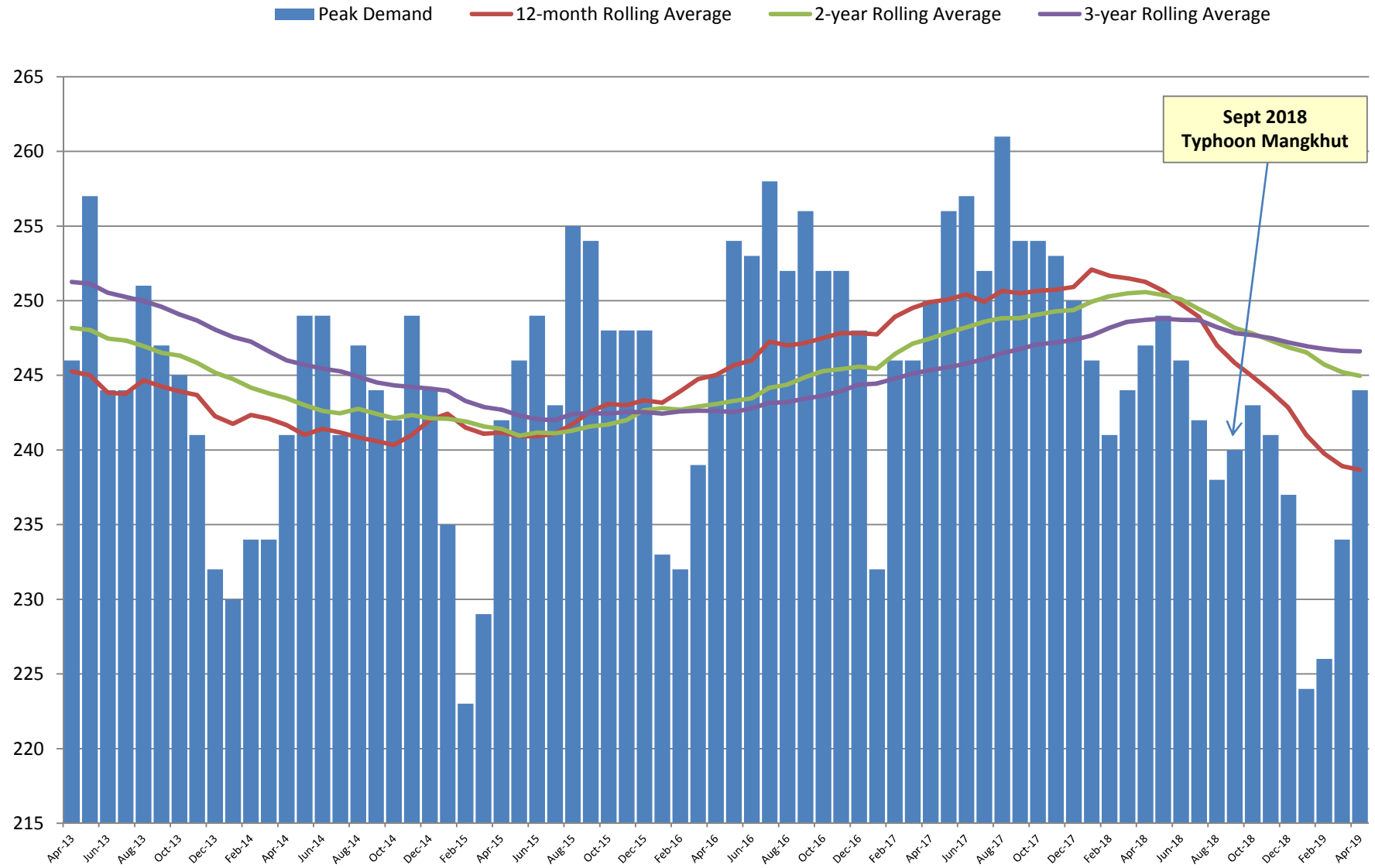
6. Update on New Power Plant Bid Opening:

- The technical proposals for the new power plant were reviewed and the following bidders have been qualified to submit their pricing by May 31, 2019:
 - Powerflex LLC (c/o Wartsila Development and Financial Services)
 - Hanwha Energy Corporation
 - Korea Electric Power Corporation
- **Updated Schedule:**
 - May 31, 2019 - Deadline to receive price proposal from acceptable bidders
 - June 3, 2019 - Public bid pricing opening date is at 9am at the GPA Procurement Conference Room
 - June 19, 2019 - Complete initial evaluation of price submittals
 - September 18, 2019 - GPA's targeted date to have a contract ready for CCU and PUC approvals

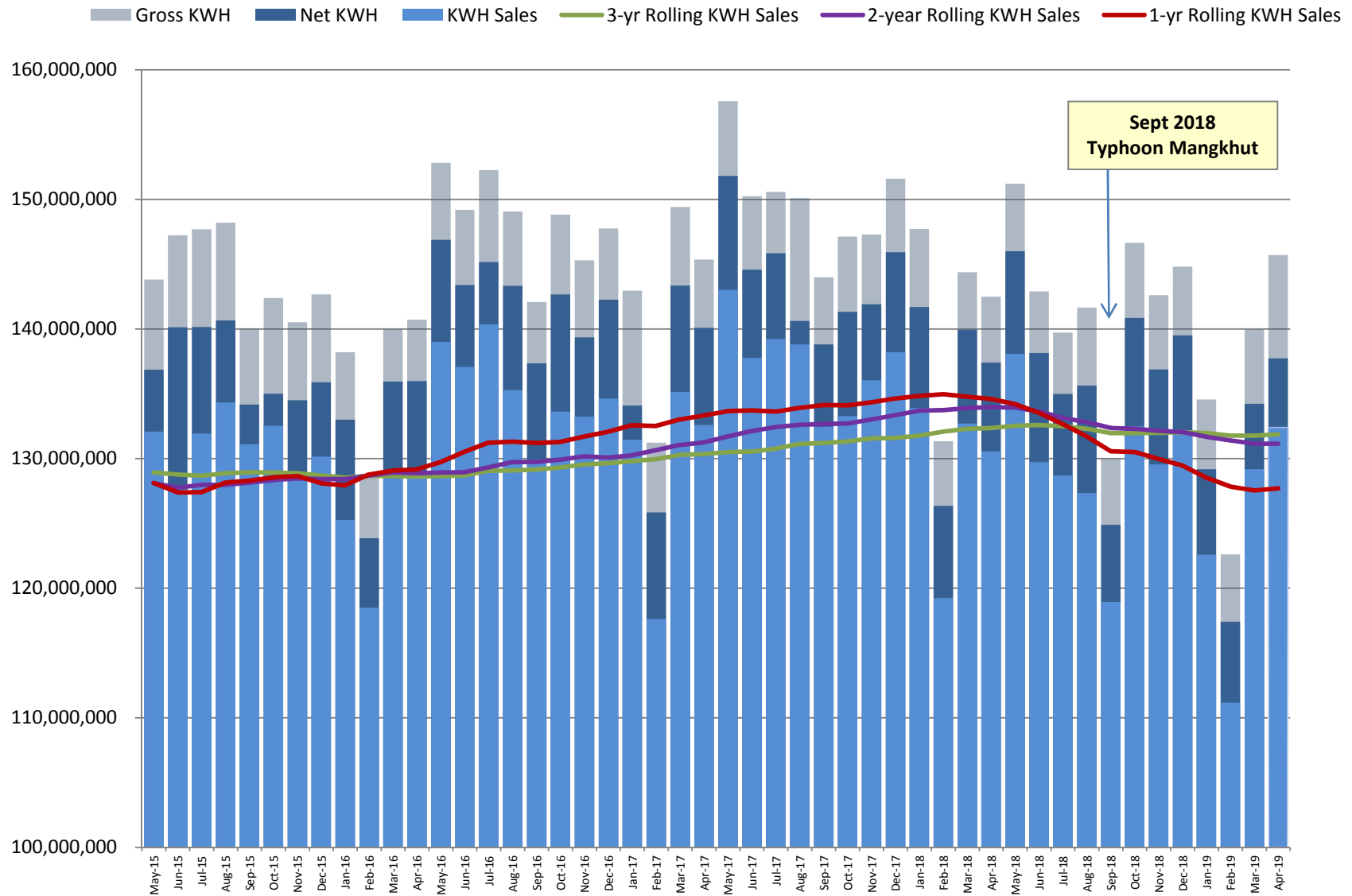
7. Generation KPI's - April 2019



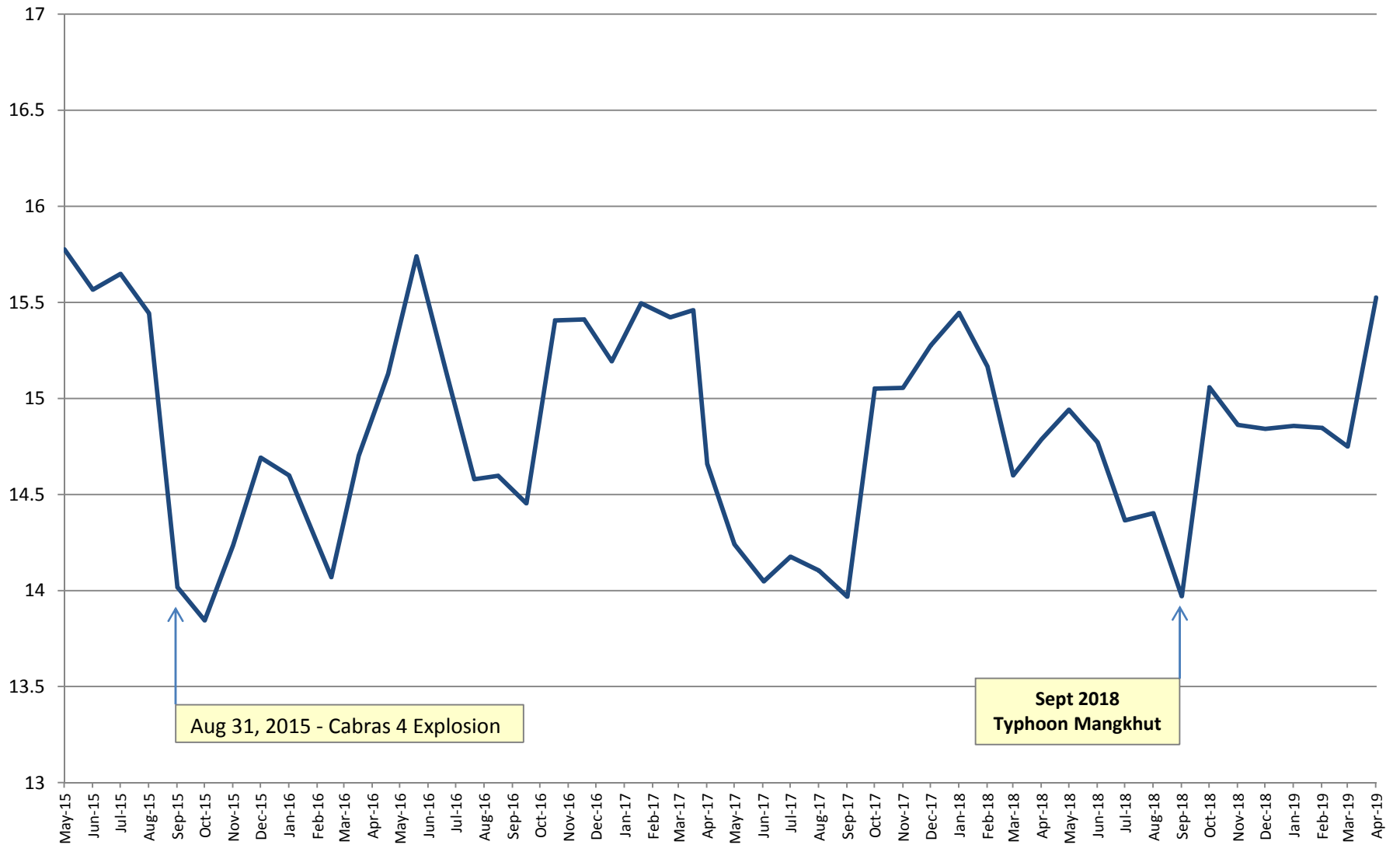
Historical Monthly Peak Demand April 2013 - April 2019



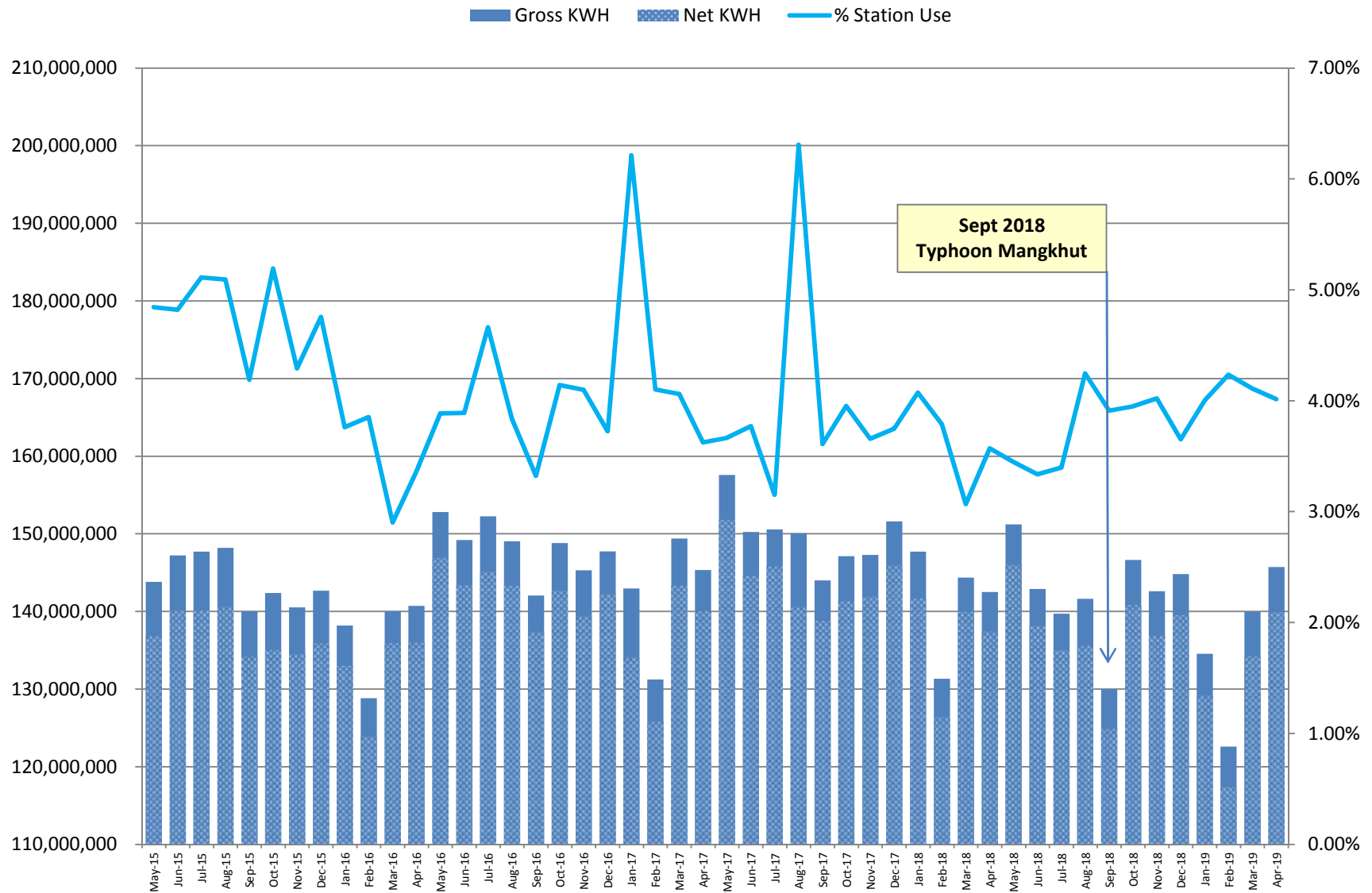
Historical KWH Sales May 2015 - April 2019



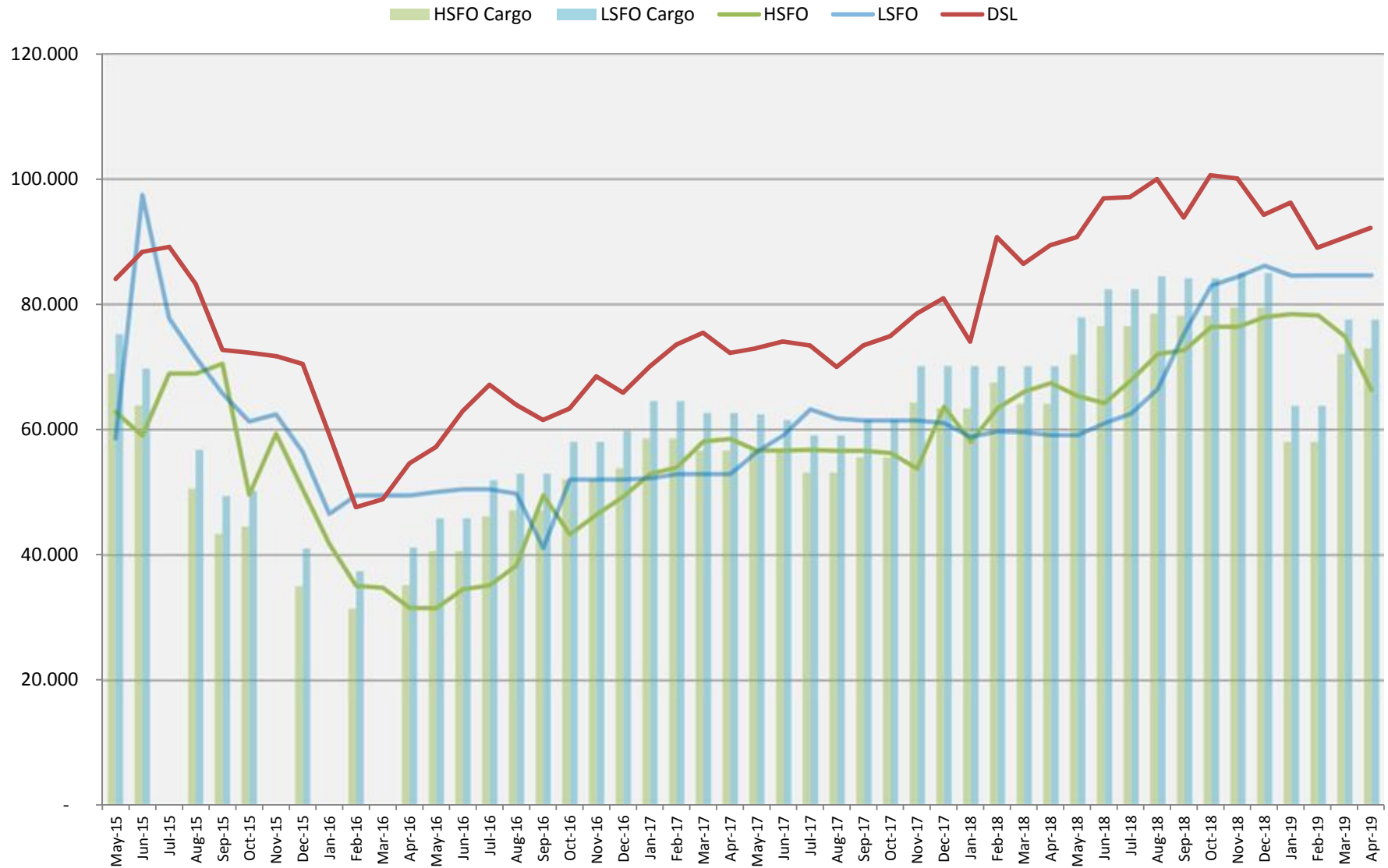
SYSTEM GROSS HEAT RATE (KWH/Gal) May 2015 - April 2019



Gross and Net Generation (KWH) May 2015 - April 2019



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



CFO

FINANCIAL HIGHLIGHTS

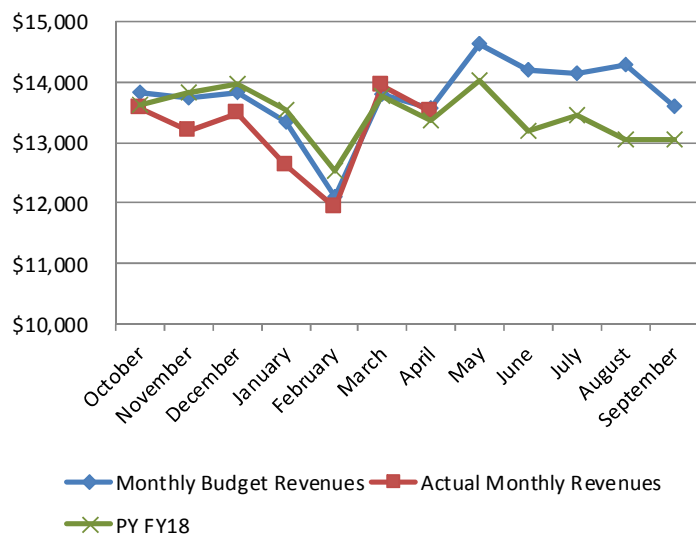
April 2019



April 2019 Monthly Financial Highlights

17

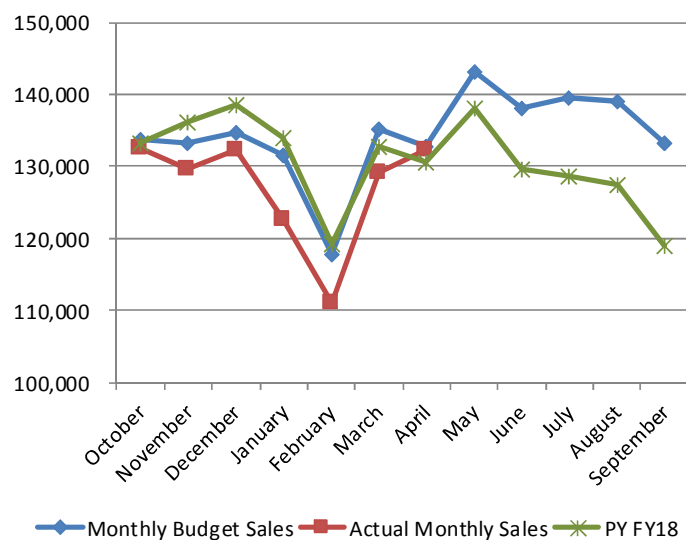
Base Rate Revenue \$000



Through April 30, 2019

	Monthly Budget Revenues \$000	Actual Monthly Revenues	Variance		PY FY18	CY vs PY Variance	
October	\$ 13,811	\$ 13,564	\$ (246)	↓	\$ 13,625	\$ (61)	↓
November	13,723	13,203	\$ (519)	↓	13,827	\$ (624)	↓
December	13,833	13,467	\$ (365)	↓	13,968	\$ (501)	↓
January	13,321	12,616	\$ (705)	↓	13,534	\$ (918)	↓
February	12,114	11,915	\$ (199)	↓	12,522	\$ (607)	↓
March	13,790	13,926	\$ 135	↑	13,776	\$ 150	↑
April	13,562	13,520	\$ (42)	↓	13,351	\$ 169	↑
May	14,630				14,011		
June	14,196				13,201		
July	14,152				13,446		
August	14,280				13,041		
September	13,590				13,041		
Total	\$ 165,002	\$ 92,212	\$ (1,941)		\$ 161,343	\$ (2,391)	

MWh Sales



Through April 30, 2019

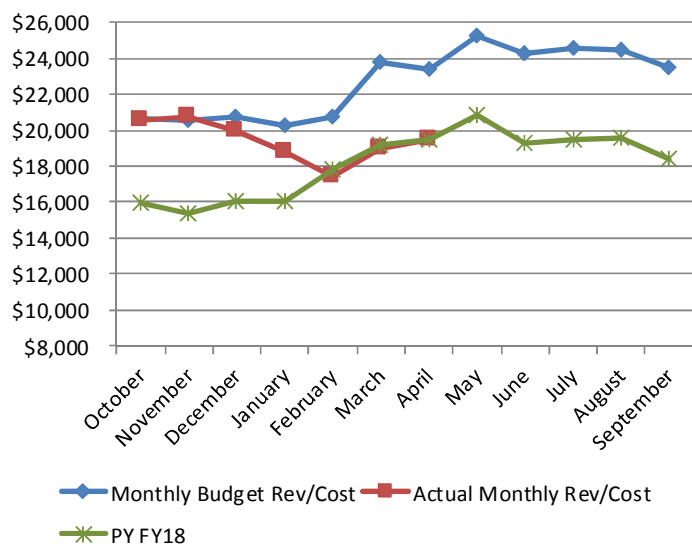
	Monthly Budget Sales gwh	Actual Monthly Sales	Variance		PY FY18	CY vs PY Variance	
October	133,797	132,489	(1,308)	↓	133,262	(773)	↓
November	133,346	129,537	(3,809)	↓	136,044	(6,506)	↓
December	134,715	132,190	(2,525)	↓	138,587	(6,397)	↓
January	131,547	122,590	(8,958)	↓	133,882	(11,292)	↓
February	117,775	111,159	(6,616)	↓	119,241	(8,082)	↓
March	135,196	129,170	(6,026)	↓	132,693	(3,523)	↓
April	132,763	132,396	(367)	↓	130,565	1,830	↑
May	143,236				138,085		
June	138,016				129,728		
July	139,434				128,681		
August	139,030				127,348		
September	133,149				118,935		
Total	1,612,003	889,531	(29,608)		1,567,052	(34,745)	



April 2019 Monthly Financial Highlights (Continued)

18

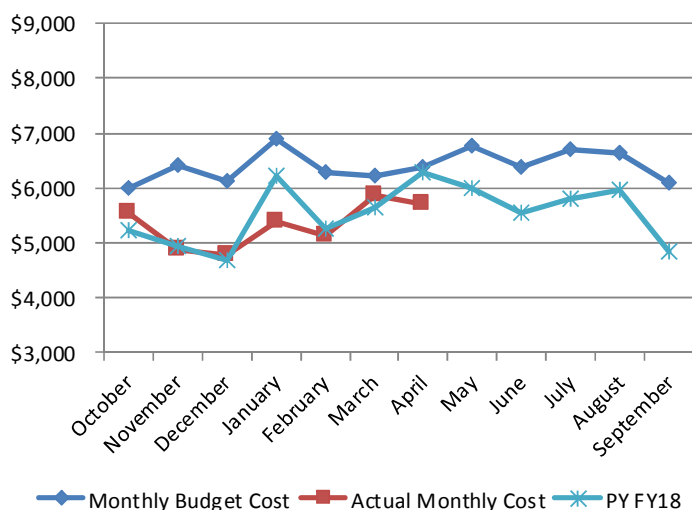
Fuel Revenue/ Cost \$000



Through April 30, 2019

	Monthly Budget Rev/Cost \$000	Actual Monthly Rev/Cost	Variance		PY FY18	CY vs PY Variance	
October	\$ 20,637	\$ 20,550	\$ (87)	↓	\$ 15,936	\$ 4,615	↑
November	20,568	20,711	\$ 143	↑	15,400	\$ 5,310	↑
December	20,779	19,969	\$ (810)	↓	16,007	\$ 3,961	↑
January	20,290	18,822	\$ (1,468)	↓	16,036	\$ 2,785	↑
February	20,718	17,368	\$ (3,350)	↓	17,763	\$ (395)	↓
March	23,783	19,017	\$ (4,765)	↓	19,180	\$ (163)	↓
April	23,354	19,442	(3,912)	↓	19,441	\$ 2	↑
May	25,197				20,854		
June	24,279				19,252		
July	24,528				19,457		
August	24,457				19,608		
September	23,422				18,390		
Total	\$ 272,011	\$ 135,879	\$ (14,250)		\$ 217,324	\$ 16,115	

O&M Cost \$000



Through April 30, 2019

	Monthly Budget Cost \$000	Actual Monthly Cost	Variance		PY FY18	CY vs PY Variance	
October	\$ 5,986	5,551	435	↑	5,239	(312)	↓
November	6,419	4,875	1,544	↑	4,941	66	↑
December	6,119	4,762	1,358	↑	4,694	(68)	↓
January	6,882	5,399	1,483	↑	6,204	805	↑
February	6,291	5,114	1,177	↑	5,252	138	↑
March	6,231	5,869	362	↑	5,638	(231)	↓
April	6,374	5,704	670	↑	6,269	565	↑
May	6,753				6,005		
June	6,373				5,558		
July	6,710				5,797		
August	6,648				5,961		
September	6,079				4,836		
Total	\$ 76,866	\$ 37,274	\$ 7,029		\$ 66,394	\$ 963	



April 2019 Monthly Financial Highlights (Continued)

19

Through April 30, 2019

	2Q2018	3Q2018	4Q2018	1Q2019	2Q2019	3Q2019
Residential	44,065	44,074	43,887	43,920	44,144	44,200
Commercial	5,262	5,278	5,261	5,273	5,291	5,290
Government	1,086	1,092	1,077	1,090	1,074	1,070
Streetlights	1,005	1,091	1,152	1,151	1,152	1,143
Navy	1	1	1	1	1	1
	51,419	51,536	51,378	51,435	51,662	51,704

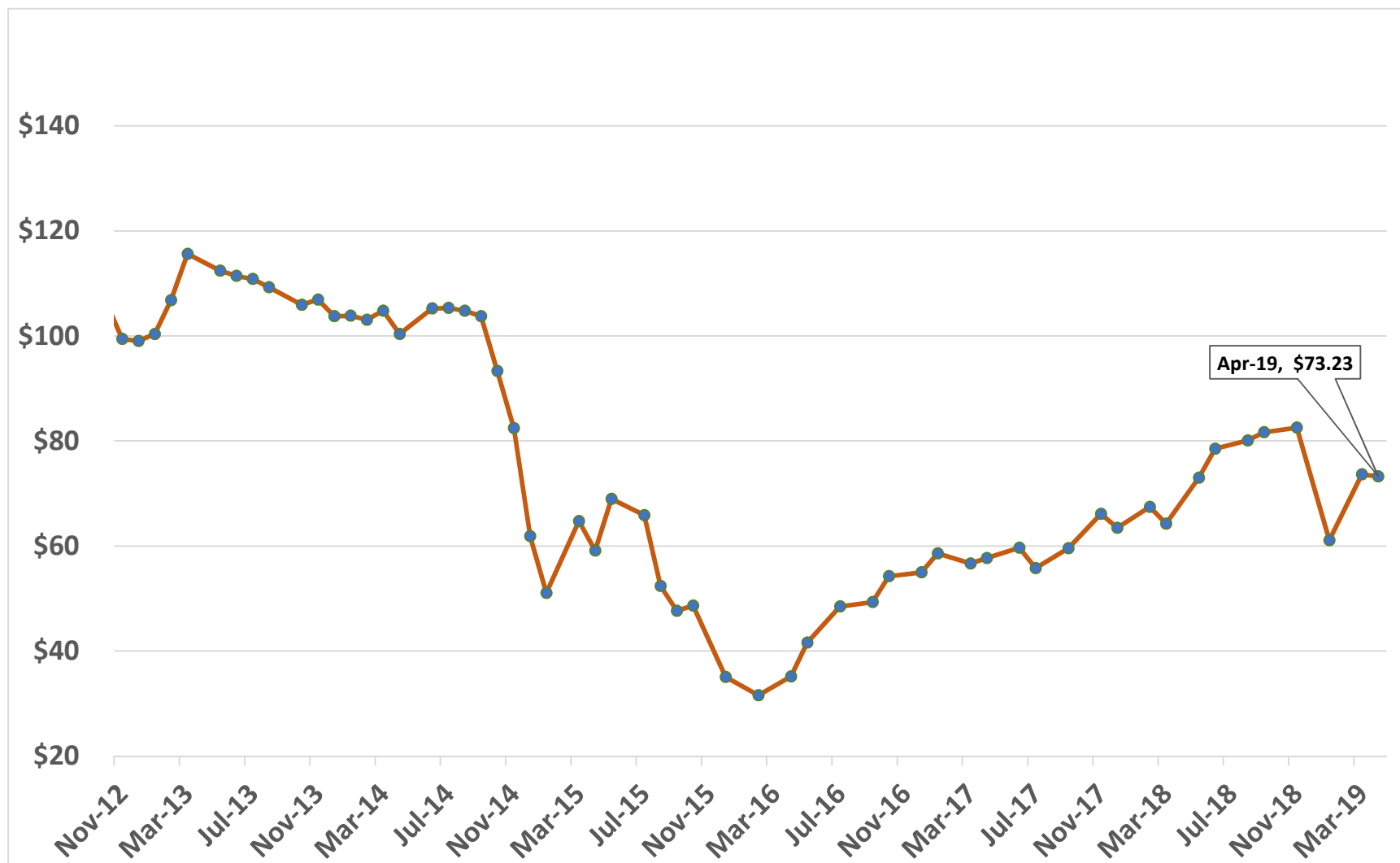
Debt service coverage (DSC) calculation-indenture	2013	2014	2015	2016	2017	2018	YTD Apr 2019
Senior lien coverage	3.36	3.16	3.62	3.28	2.65	2.68	1.95
Aggregate debt service coverage	1.88	1.98	2.62	3.28	2.65	2.68	1.95
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.16	2.55	2.56	2.45	1.79	1.80	1.52
Aggregate debt service coverage	1.21	1.41	1.85	2.45	1.79	1.80	1.52



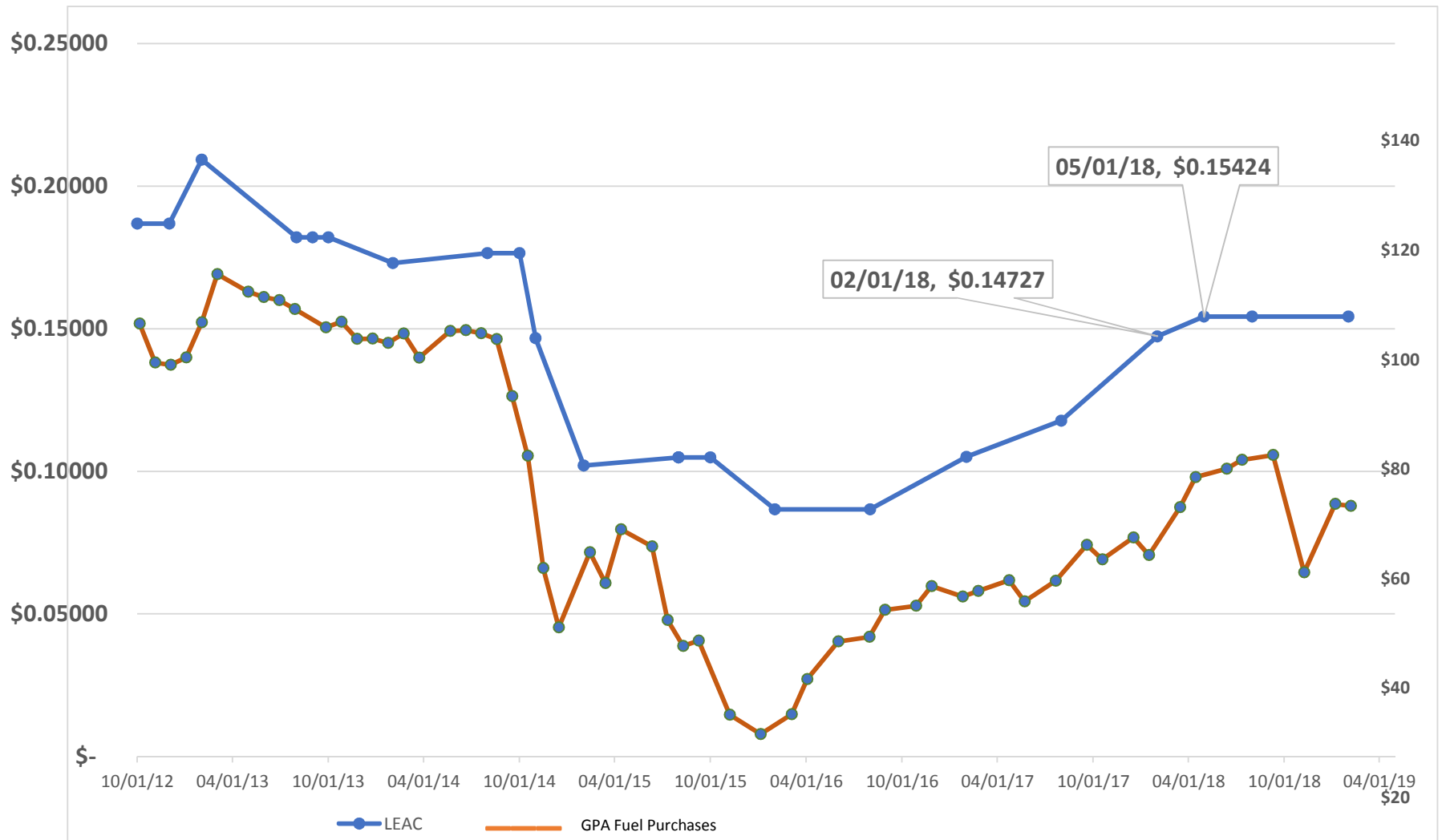
LEAC FILING



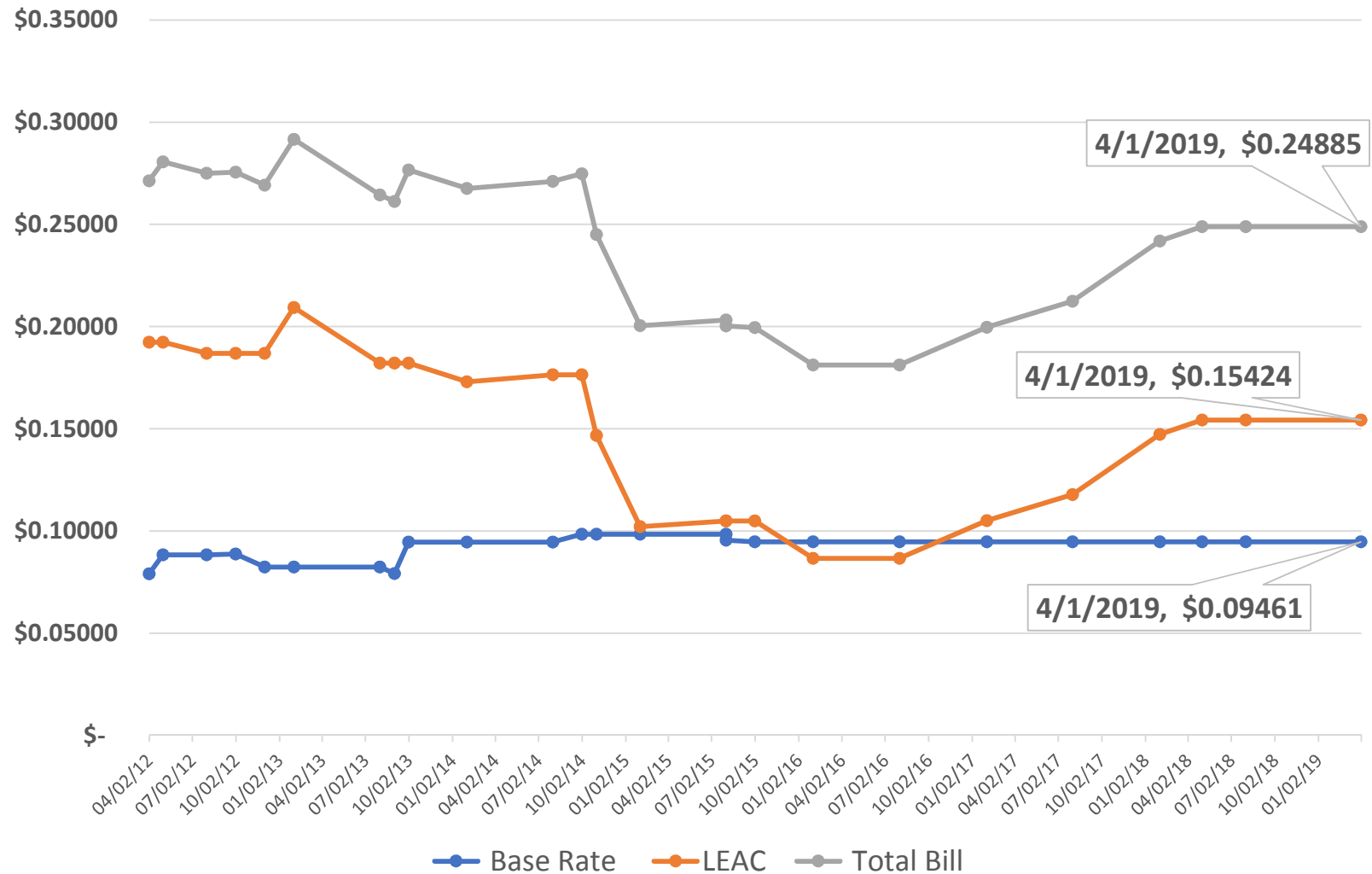
LEAC Update – GPA Fuel Purchases (Per Barrel)



Historical LEAC Rate vs Fuel Purchases



Historical Residential Rate



Historical LEAC Over (Under) Recovery

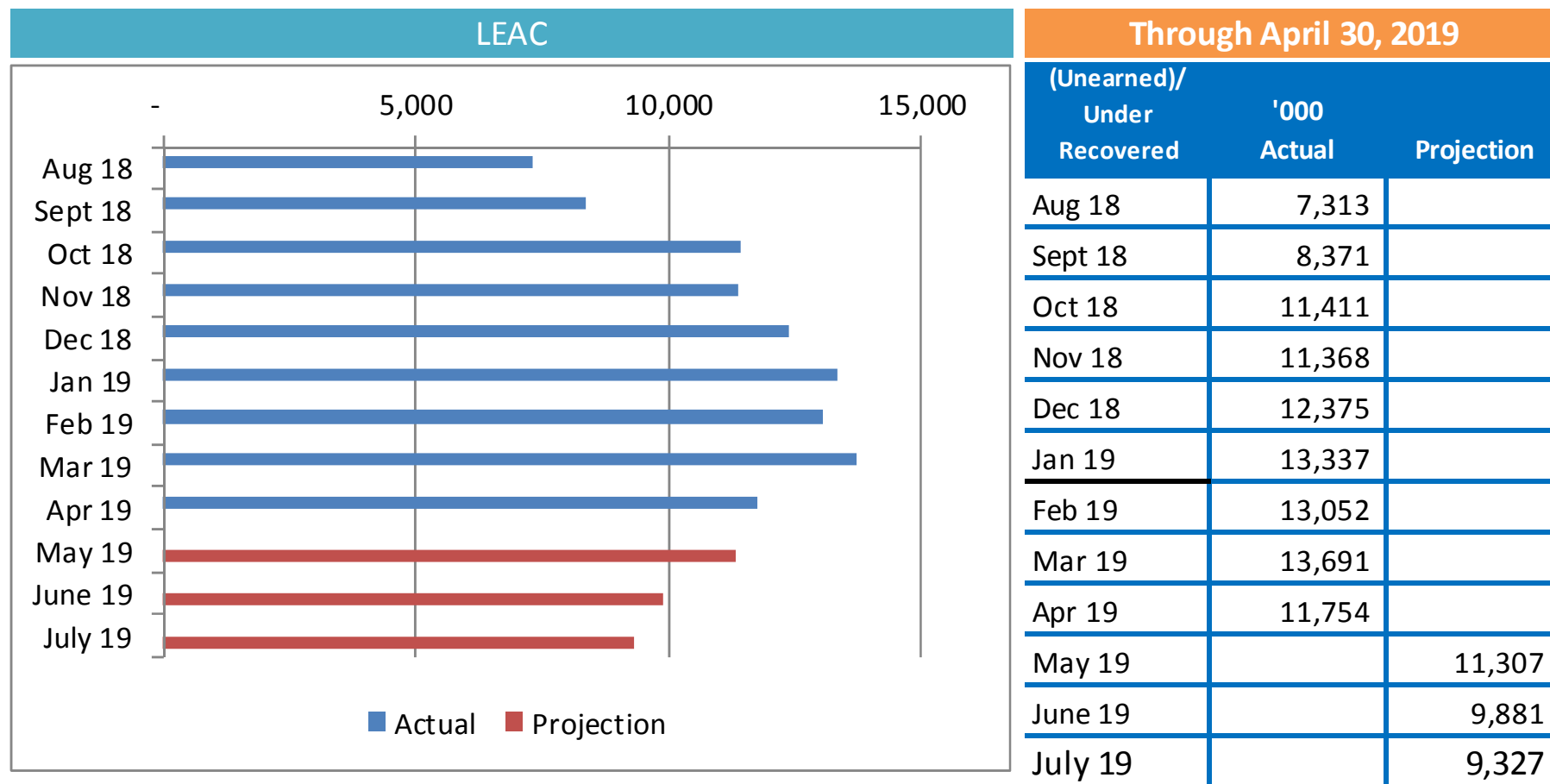
LEAC Period		Approved LEAC		Actual Over	
From	To	Rate		(Under) Recovery	
4/1/2012	7/31/2012	\$ 0.192310	\$	(3,040,418)	
8/1/2012	1/31/2013	\$ 0.186834	\$	(2,494,052)	
2/1/2013	7/31/2013	\$ 0.209271	\$	1,345,259	
8/1/2013	10/31/2013	\$ 0.182054	\$	1,300,093	
2/1/2014	7/31/2014	\$ 0.172986	\$	(1,137,034)	
8/1/2014	10/31/2014	\$ 0.176441	\$	(4,646,872)	
11/1/2014	1/31/2015	\$ 0.146666	\$	661,428	
2/1/2015	7/31/2015	\$ 0.102054	\$	1,757,878	
8/1/2015	1/31/2016	\$ 0.104871	\$	(2,467,151)	
2/1/2016	7/31/2016	\$ 0.086613	\$	(2,668,603)	
8/1/2016	1/31/2017	\$ 0.086613	\$	(9,915,360)	
			\$	(5,315,360) (a)	
2/1/2017	7/31/2017	\$ 0.105051	\$	(14,050,504)	
8/1/2017	01/31/1018	\$ 0.117718	\$	(16,775,982)	
2/1/2018	4/30/2018	\$ 0.147266	\$	(13,005,689)	
5/1/2018	7/31/2018	\$ 0.154242	\$	(8,422,674)	
8/1/2018	1/31/2019	\$ 0.154242	\$	(13,336,698)	
2/1/2019	7/31/2019	\$ 0.154242	\$	(9,326,889) Estimate	



a) Under-recovery Balance after applying the \$4.6 million from the Cabras 3&4 Extra Expense claim



LEAC Under Recovery Balances



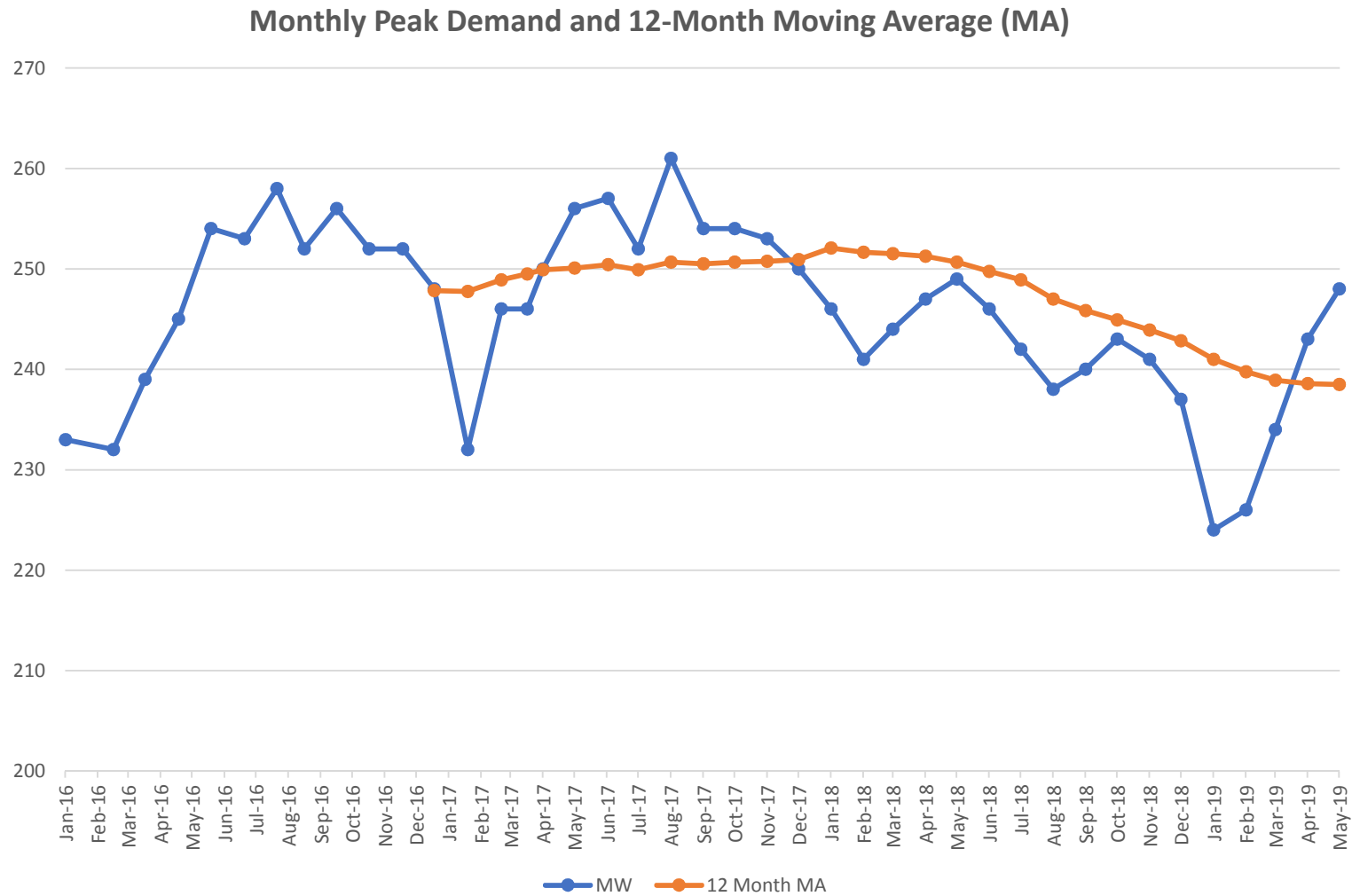
LEAC – Scenario Model Runs

Proposed Effective 08/01/2019

- 1 Average Price per Bbl-RFO
- 2 Average Price per Bbl-Diesel
- 3 **Proposed LEAC Rate**
- 4 Monthly Increase/(Decrease) - 1000 kWh
- 5 % Increase/(Decrease) in LEAC
- 6 % Increase/(Decrease) in Total Bill
- 7 **Under (Over) recovery at the end of the period**

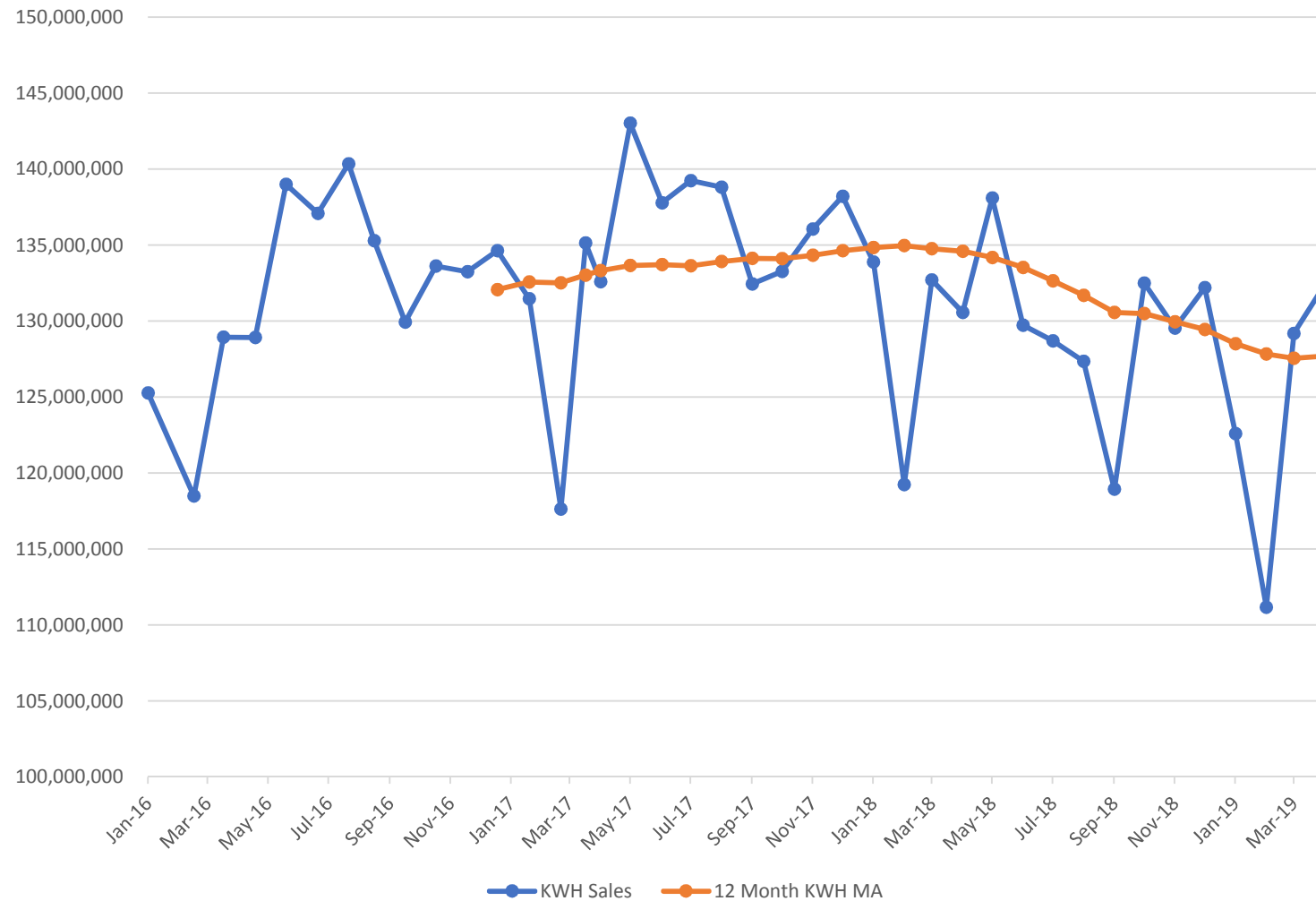
@ Zero Cost Recovery	@50 % Recovery	@ Full Recovery
\$ 74.18	\$ 74.18	\$ 74.18
\$ 95.19	\$ 95.19	\$ 95.19
\$ 0.154242	\$ 0.161614	\$ 0.168988
\$ 0.00	\$ 7.37	\$ 14.75
0.00%	4.78%	9.56%
0.00%	2.96%	5.93%
\$ 9,699	\$ 4,850	\$ -

Peak Demand Curve

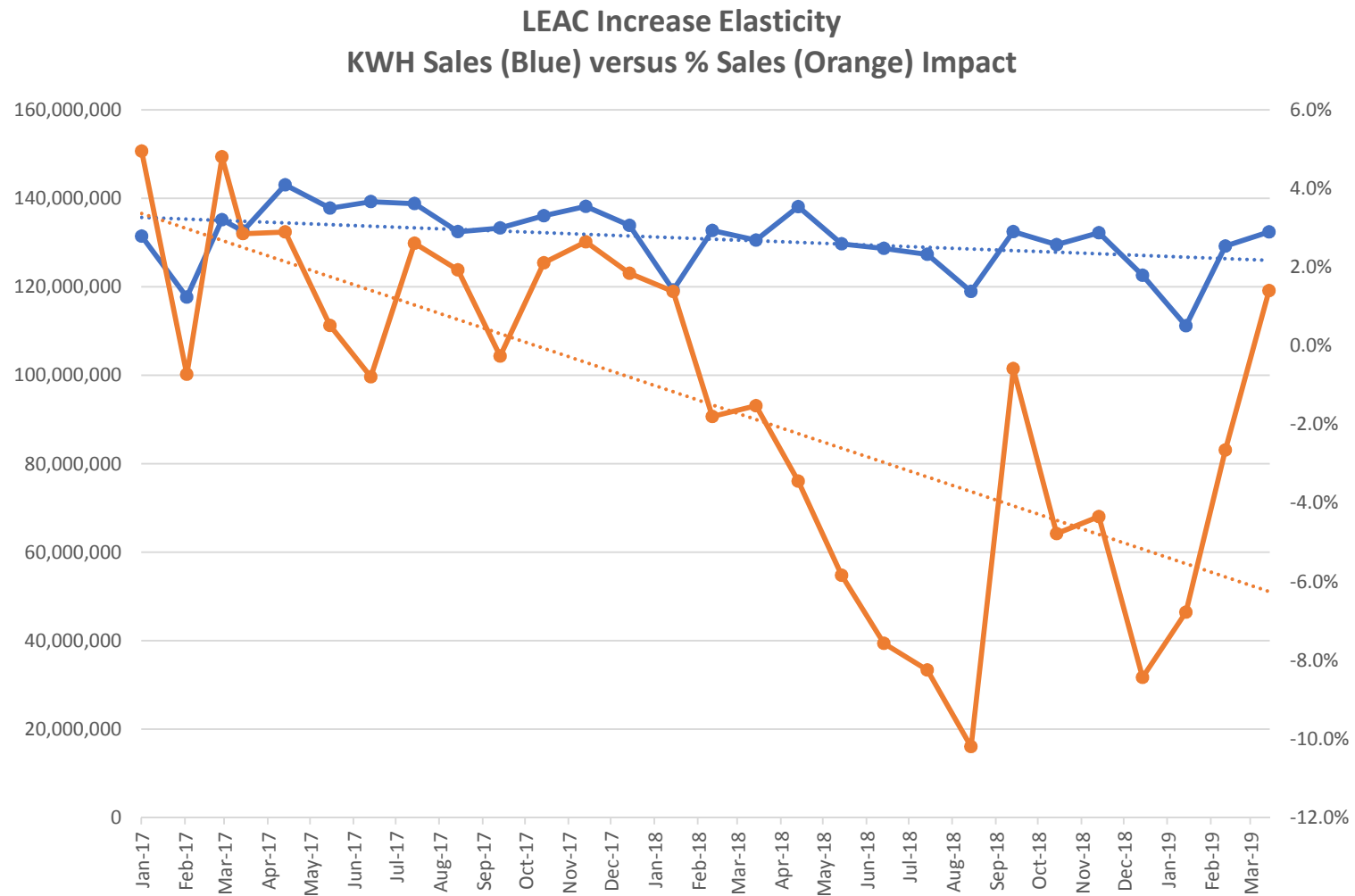


KWH Sales

KWH Sales and 12-Month Moving Average



Price Elasticity

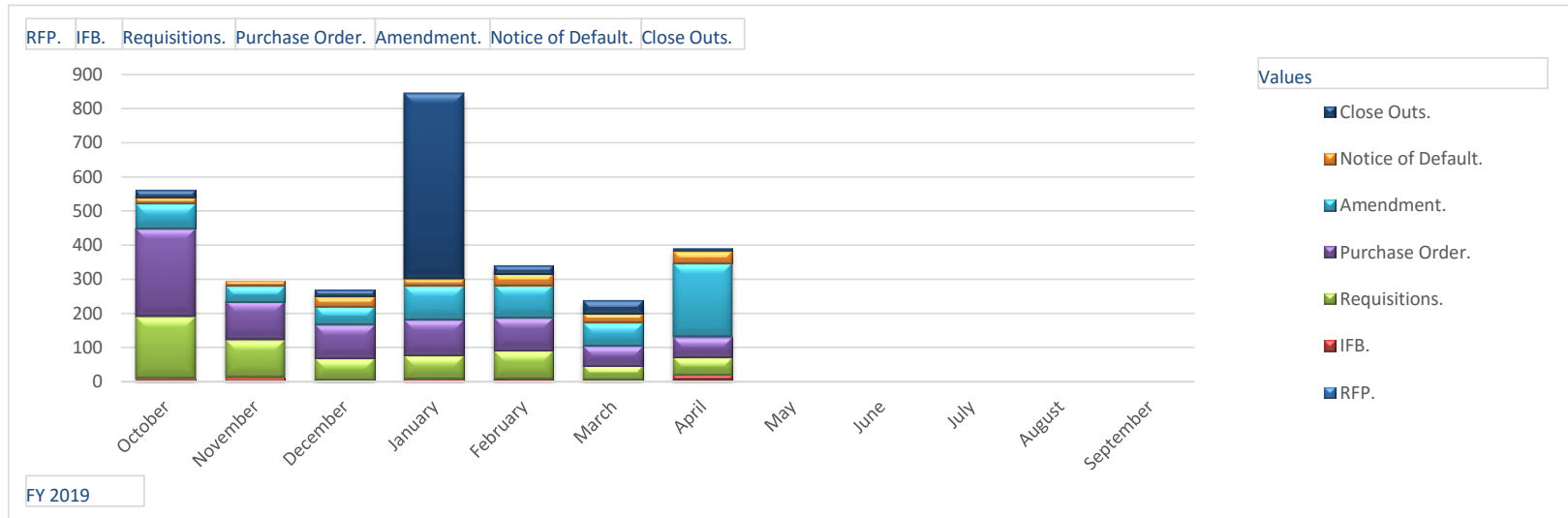


Guam Power Authority

Procurement Division

FY 2019 GPA Buyer's Monthly Report

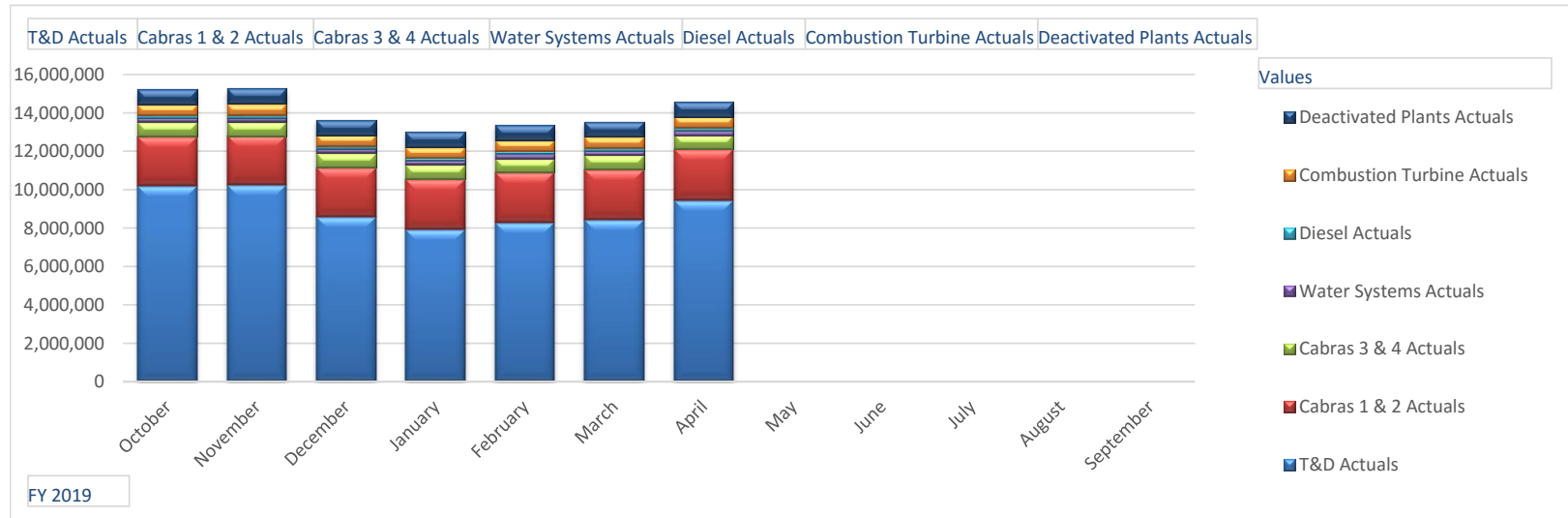
as of 4/30/2019



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

Guam Power Authority

Procurement Division
FY 2019 GPA Inventory Actuals
as of 04/30/2019

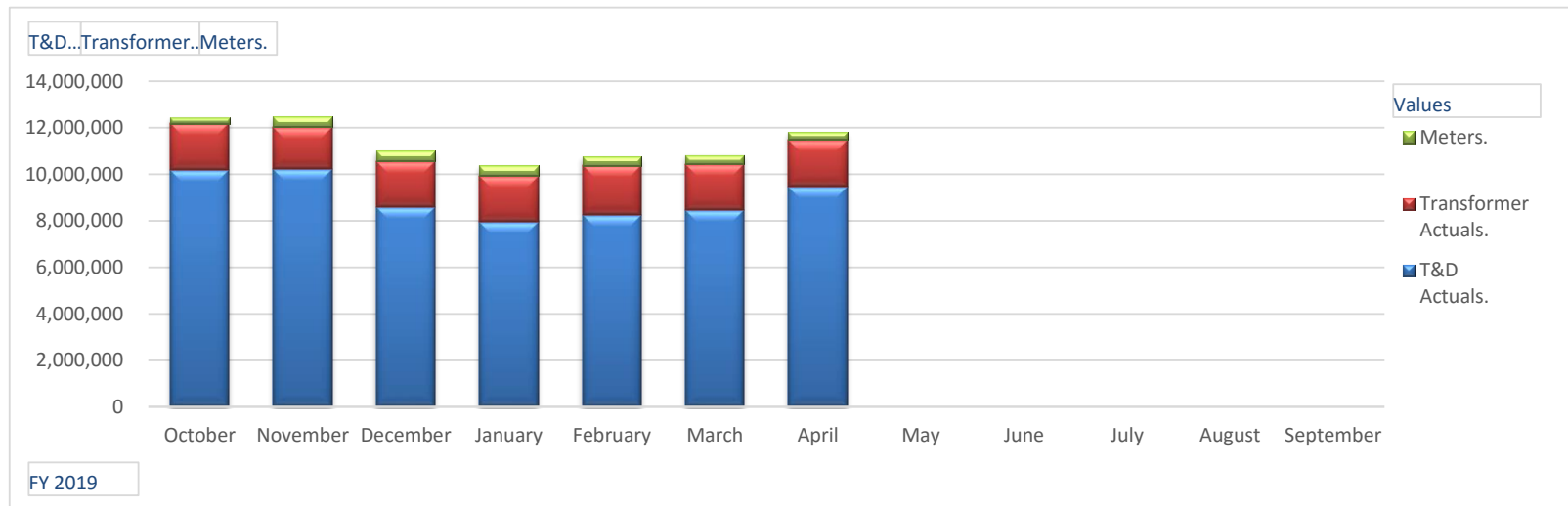


FY 2019	T&D Actuals	Cabras 1 & 2 Actuals	Cabras 3 & 4 Actuals	Water Systems Actuals	Diesel Actuals	Combustion Turbine Actuals	Deactivated Plants Actuals
October	10,192,560	2,576,234	747,186	205,212	146,311	575,635	790,114
November	10,212,445	2,574,016	747,186	219,148	146,311	575,635	790,114
December	8,581,316	2,582,779	747,186	221,514	144,680	575,635	790,114
January	7,923,172	2,614,746	747,186	223,659	144,680	575,635	790,114
February	8,260,305	2,615,482	747,186	224,309	144,680	575,635	790,114
March	8,435,835	2,613,717	747,674	232,164	144,680	574,489	788,968
April	9,458,745	2,634,422	747,674	230,236	144,680	573,623	788,101
May							
June							
July							
August							
September							

Guam Power Authority

Procurement Division

FY 2019 Transmission and Distribution (T&D) Inventory Actuals as of 04/30/2019



FY 2019	T&D Actuals	Transformer Actuals	Meters
October	10,192,560	1,992,628	263,348
November	10,212,445	1,814,087	445,204
December	8,581,316	1,973,234	452,004
January	7,923,172	2,020,094	430,380
February	8,230,305	2,138,182	405,900
March	8,435,835	1,992,878	397,740
April	9,458,745	2,041,378	332,460
May			
June			
July			
August			
September			

Customer Service Division

April 2019

SITE	Less than 10 Mins.	%	10-15 Mins.	%	15-30 Mins.	%	30-45 Mins.	%	TOTAL	Location %
GBN	869	51%	223	13%	332	20%	264	16%	1,688	30%
HAGATNA	1,265	70%	243	13%	256	14%	50	3%	1,814	33%
UPPER TUMON	1,548	75%	249	12%	218	11%	53	2%	2,068	37%
TOTAL:	3,682	67%	715	13%	806	14%	367	6%	5,570	100%

Government Accounts Receivable: CSD reports invoices for the month of March 2019, for 73 active government accounts with an overall total of \$7,166,706.52. 65 accounts were current (89%), 8 accounts arrears (11%). 6 fax/emails issued to government accounts totaling \$2,838,988.10. March 2019 invoices, 67 accounts paid in full.

Credit and Collection

Delinquent Ratio: As of April 2019, the authority reported a total 48,172 active customers. The "Delinquent Ratio" was recorded at 5.70% with 2,748 total delinquent accounts, total arrears of 1,142,466.60; 982,197.63; 2,534(5.26% / 28-45 days) category; 36,018.75; 191 (0.40% / 46-60 days); 76,267.70; 134(0.28% 61-90 days); and 47,982.52; 165 (0.34% / Over 90 days).

Bankruptcy: During Apr 2019 the Bankruptcy reports one (1) customer account filed, totaling \$1,168.40.

Damage Claim: The Damage claim committee received one (1) Damage claim at \$114,892.25 for the month of April 2019.

ACTIVE DELINQUENT – NON-PAYMENT

Command Center / Disconnection / Reconnections

Single Phase Meters: Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 417 customers; 397(95%) were disconnected; 16(4%) deferred; 4(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 26 customers; 12(46%) were disconnected; 14(54%) deferred; 0(0%) incompletes.

FY 2019 (Apr 01-31,2019)								
	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
Apr-19	443	409	30	439 99%	1	92%	7%	1%
2 nd	2,869	2,089	711	2,800 98%	69	73%	25%	2%
1 st	8,855	2,720	6,013	8,733 99%	122	31%	68%	1%
TOTAL:	12,167	5,218	6,754	11,972 98%	192	43%	56%	1%
FY 2018 (October 01, 2017 – September 30, 2018)								
QTR	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
4 th	2,923	2,137	768	2,905 99%	18	73%	26%	1%
3 rd	4,824	2,635	2,167	4,802 100%	22	55%	45%	0%
2 nd	4,092	2,010	2,032	4,042 99%	50	49%	50%	1%
1 st	3,890	2,237	1,646	3,883 100%	7	58%	42%	0%
TOTAL:	15,729	9,019	6,613	15,632 99%	97	57%	42%	1%

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

Respectfully submitted,



Marissa Fernandez, Admin. Officer

Reviewed / Approved by:



Richard J. Bersamin, ACSM

Run Date: 5/6/2019
Run Time: 10:40:19PM

Guam Power Authority
Delinquent Active Accounts Summary Report
As of - 05/06/2019

Report ID: DELRATIO
Page 67 of 67

<u>Rate Classification</u>	<u>Total Cust</u>	<u>Del Cust</u>	<u>Del 28-45</u>	<u>Del 46-60</u>	<u>Del 61-90</u>	<u>Over-90</u>	<u>Current Balance</u>	<u>28-45 Days</u>	<u>46-60 Days</u>	<u>61-90 Days</u>	<u>>90 Days</u>	<u>Total Arrears</u>	<u>Total L</u>
Residential(ERES-R)	42,409	2,448	2,266	148	104	130	5,326,507.89	464,593.91	28,375.43	67,380.72	32,490.24	592,840.30	5,919,348
		5.77%	5.34%	0.35%	0.25%	0.31%							
Small Gen Non Demand(EGEN-G)	4,154	217	190	23	18	22	994,590.98	99,013.16	6,094.37	8,313.89	11,615.86	125,037.28	1,119,628
		5.22%	4.57%	0.55%	0.43%	0.53%							
Small Gen Demand(EGEND-J)	967	42	39	1	1	2	2,561,986.50	127,710.91	742.09	149.55	916.00	129,518.55	2,691,505
		4.34%	4.03%	0.10%	0.10%	0.21%							
Large General(ELPS-P)	119	4	4	0	0	0	5,975,580.94	287,981.83	0.00	0.00	0.00	287,981.83	6,263,562
		3.36%	3.36%	0.00%	0.00%	0.00%							
Private Streetlight(EPOL-H)	523	37	35	19	11	11	19,686.69	2,897.82	806.86	423.54	2,960.42	7,088.64	26,775
		7.07%	6.69%	3.63%	2.10%	2.10%							
<u>Sub-Total (Private)</u>	48,172	2,748	2,534	191	134	165	14,878,353.00	982,197.63	36,018.75	76,267.70	47,982.52	1,142,466.60	16,020,819
		5.70%	5.26%	0.40%	0.28%	0.34%							
Small Gov Non Demand(ESGS-S)	688	71	71	49	1	17	594,322.76	61,209.51	55,412.79	2,181.95	26,691.28	145,495.53	739,818
		10.32%	10.32%	7.12%	0.15%	2.47%							
Small Gov Demand(ESGSD-K)	336	83	82	77	0	29	3,590,293.48	522,913.43	507,755.22	0.00	162,993.95	1,193,662.60	4,783,956
		24.70%	24.40%	22.92%	0.00%	8.63%							
Large Government(ELGS-L)	42	22	22	20	0	7	3,177,913.43	718,450.49	508,790.82	0.00	213,389.09	1,440,630.40	4,618,543
		52.38%	52.38%	47.62%	0.00%	16.67%							
Gov Streetlight(ESTL-F)	620	24	23	5	1	3	484,296.47	1,788.13	303.94	213.59	416.30	2,721.96	487,018
		4%	3.71%	0.81%	0.16%	0.48%							
<u>Sub-Total (Government)</u>	1,686	200	198	151	2	56	7,846,826.14	1,304,361.56	1,072,262.77	2,395.54	403,490.62	2,782,510.49	10,629,336
		11.86%	11.74%	8.96%	0.12%	3.32%							
<u>GRAND TOTAL</u>	49,858	2,948	2,732	342	136	221	22,725,179.14	2,286,559.19	1,108,281.52	78,663.24	451,473.14	3,924,977.09	26,650,156
		5.91%	5.48%	0.69%	0.27%	0.44%							

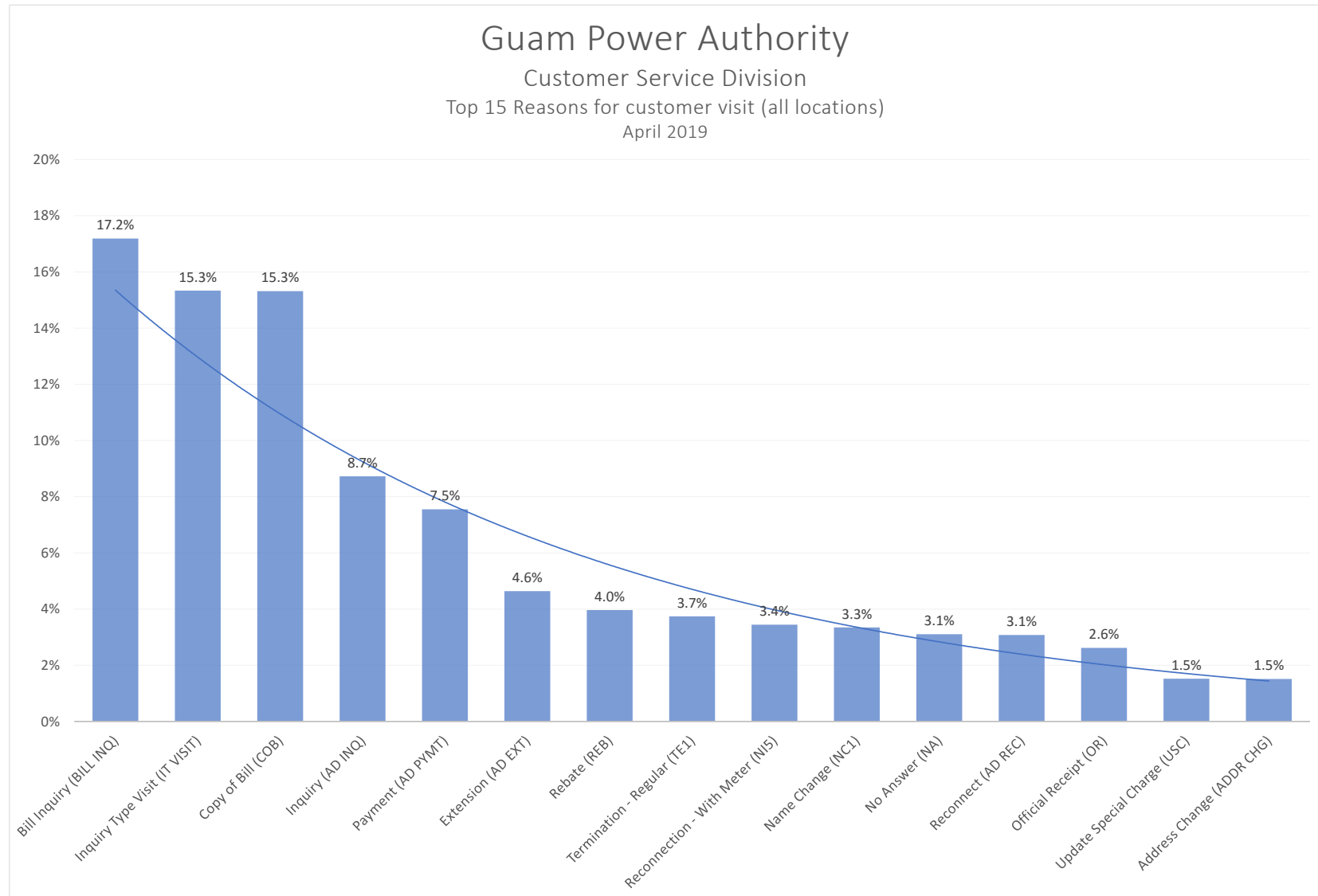
Guam Power Authority
Customer Service Division
Employee Month-To-Date (MTD) Consolidated Report
April 2019

Reason(s) for visit	Transaction type	Fadian	% MTD	Hagatna	% MTD	Tumon	% MTD	TOTAL
Do Not Disconnect (AD DND)	Active Delinquent	0	0.0%	2	0.1%	0	0.0%	2
Extension (AD EXT)	Active Delinquent	126	4.8%	220	5.9%	120	3.2%	466
Inquiry (AD INQ)	Active Delinquent	327	12.5%	324	8.8%	225	6.1%	876
Payment (AD PYMT)	Active Delinquent	217	8.3%	282	7.6%	259	7.0%	758
Reconnect (AD REC)	Active Delinquent	95	3.6%	97	2.6%	117	3.1%	309
Address Change (ADDR CHG)	Other	42	1.6%	71	1.9%	39	1.0%	152
Bill Adjustment (BILL ADJ)	Other	3	0.1%	4	0.1%	9	0.2%	16
Bill Inquiry (BILL INQ)	Other	385	14.7%	598	16.2%	743	20.0%	1,726
Copy of Bill (COB)	Other	358	13.6%	615	16.6%	565	15.2%	1,538
Deferred Payment Agreement (DPA)	Other	0	0.0%	0	0.0%	3	0.1%	3
Inquiry (IA INQ)	Inactive	26	1.0%	22	0.6%	42	1.1%	90
Payment (IA PYMT)	Inactive	6	0.2%	9	0.2%	4	0.1%	19
Transfer Balance (IA TRF)	Inactive	7	0.3%	8	0.2%	19	0.5%	34
Meter Investigation (INV)	Other	1	0.0%	2	0.1%	0	0.0%	3
Inspection Report (IR)	Other	14	0.5%	7	0.2%	10	0.3%	31
Inquiry Type Visit (IT VISIT)	Other	273	10.4%	618	16.7%	649	17.5%	1,540
Meter Change Out / Calibration (MC1)	Other	3	0.1%	0	0.0%	2	0.1%	5
Meter Upgrade /Downgrade (MC3)	Other	1	0.0%	0	0.0%	0	0.0%	1
Meter Readers Field Investigation (MFI)	Other	0	0.0%	0	0.0%	0	0.0%	0
Misc Public Service (MPS)	Other	16	0.6%	8	0.2%	0	0.0%	24
No Answer (NA)	Other	162	6.2%	72	1.9%	78	2.1%	312
Name Change (NC1)	Application	75	2.9%	102	2.8%	159	4.3%	336
Name Change - Street Light (NC2)	Application	0	0.0%	0	0.0%	1	0.0%	1
New Install - Permanent (NI1)	Application	9	0.3%	0	0.0%	3	0.1%	12
New Install - Temporary (NI2)	Application	13	0.5%	0	0.0%	3	0.1%	16
New Install - Street Light (NI3)	Application	1	0.0%	0	0.0%	0	0.0%	1
Reconnection - Without Meter (NI4)	Application	7	0.3%	6	0.2%	5	0.1%	18
Reconnection - With Meter (NI5)	Application	65	2.5%	137	3.7%	144	3.9%	346
Non Metered Accounts (NI6)	Application	0	0.0%	2	0.1%	0	0.0%	2
Official Receipt (OR)	Other	42	1.6%	86	2.3%	135	3.6%	263
Refund (RFD)	Other	17	0.6%	16	0.4%	15	0.4%	48
Relocation of Meter (RMI)	Other	9	0.3%	3	0.1%	4	0.1%	16
Street Light Repair (ST1)	Other	3	0.1%	1	0.0%	1	0.0%	5
Termination - Regular (TE1)	Termination	79	3.0%	155	4.2%	142	3.8%	376
Termination - Name Change (TE2)	Termination	1	0.0%	1	0.0%	0	0.0%	2
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 - Meter Removal (TE5)	Termination	2	0.1%	1	0.0%	1	0.0%	4
Termination - Street Light (TE6)	Termination	0	0.0%	0	0.0%	0	0.0%	0
Update Special Charge (USC)	Other	0	0.0%	72	1.9%	81	2.2%	153
Work Clearance - Overhead (WCO)	Other	9	0.3%	5	0.1%	0	0.0%	14
ACH/EFT (ACH)	Other	1	0.0%	4	0.1%	4	0.1%	9
Prepaid (PPD)	Other	33	1.3%	25	0.7%	30	0.8%	88
Rebate (REB)	Other	176	6.7%	121	3.3%	101	2.7%	398
Work Clearance - Underground (WCU)	Other	13	0.5%	0	0.0%	0	0.0%	13
Work Clearance - Emergency (WCE)	Other	6	0.2%	3	0.1%	6	0.2%	15
Total transactions by location		2,623		3,699		3,719		10,041
Grand total for all locations								

Customer contact by type	Fadian	%	Hagatna	%	Tumon	%
Visit (V)*	1,691	77.5%	1,814	96.4%	2,066	89.2%
Telephone (T)	8	0.4%	7	0.4%	0	0.0%
Mail (M)	330	15.1%	0	0.0%	0	0.0%
Fax (F)	0	0.0%	0	0.0%	0	0.0%
Transfer Call (TRF CALL)	2	0.1%	2	0.1%	50	2.2%
Other (OTHER)	150	6.9%	58	3.1%	201	8.7%
Total customer contacts	2,181		1,881		2,317	

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

Duration of wait time for "Visit (V)" type customer contact	Fadian	%	Hagatna	%	Tumon	%
Less than 10 minutes	872	52%	1,265	70%	1,548	75%
10-15 minutes	223	13%	243	13%	248	12%
16-30 minutes	332	20%	256	14%	217	11%
More than 30 minutes	264	16%	50	3%	53	3%
Total "Visit (V)" customers contacts	1,691		1,814		2,066	

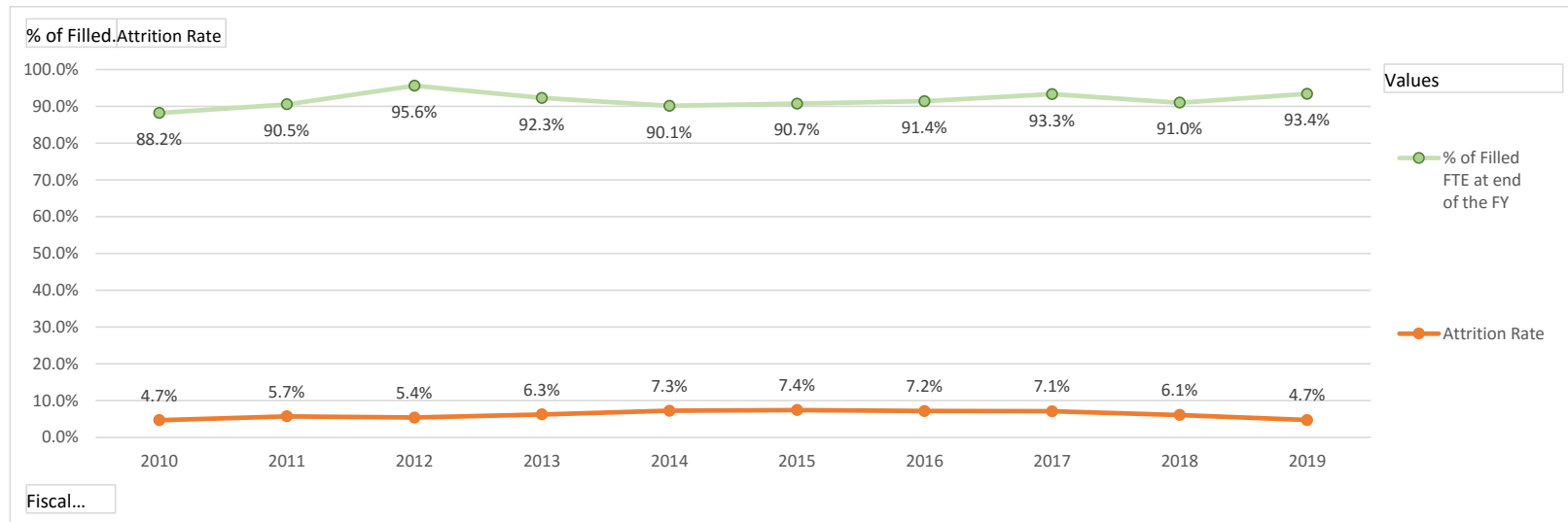


Guam Power Authority

Human Resources Division

FY 2019 Recruitment Analysis

as of April 30, 2019



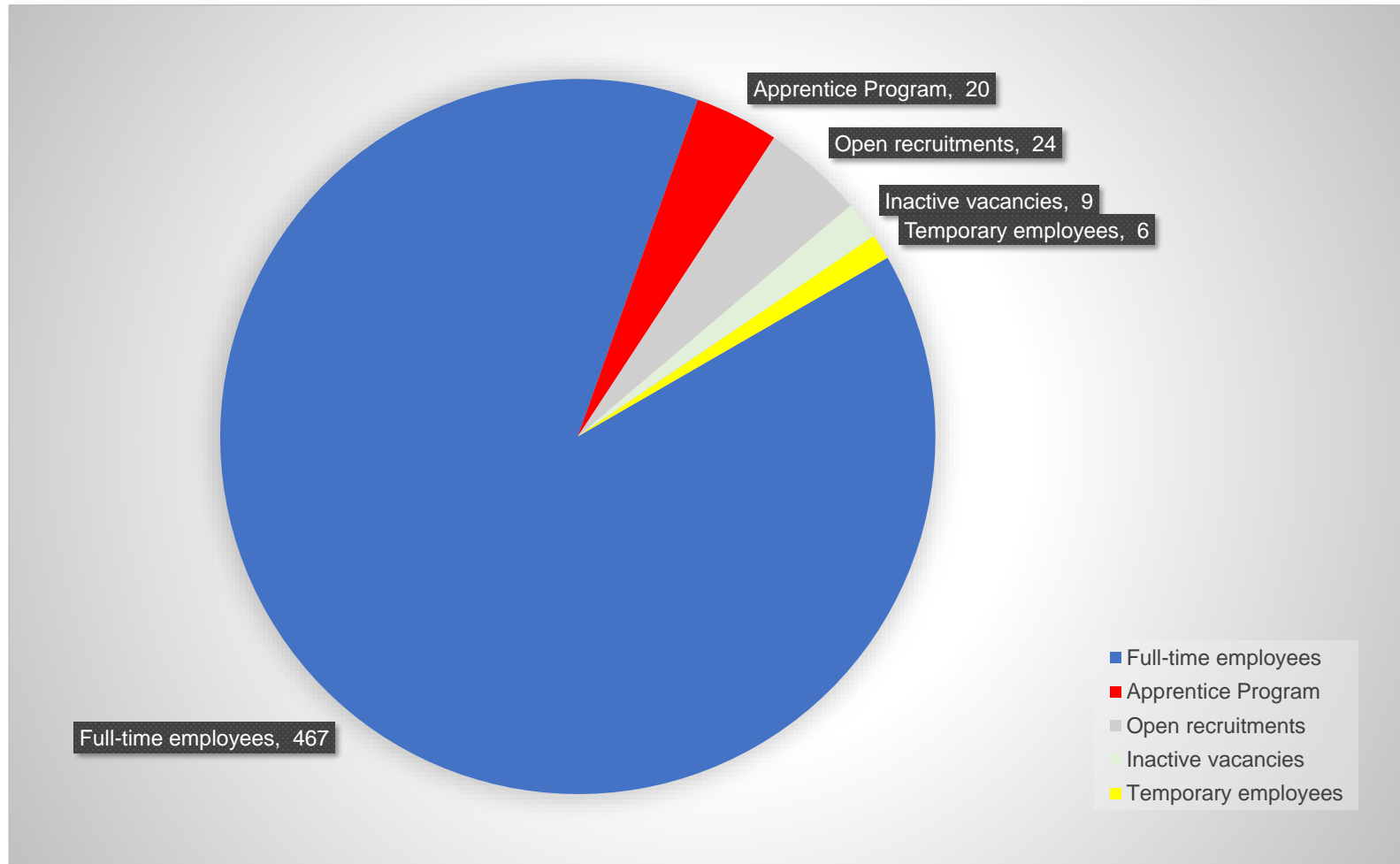
Fiscal Year	New Hire	Promotion	Termination	Death	Resignation	Retirement	Attrition Rate	Total Authorized FTE	Total Filled FTE at end of the FY	% of Filled FTE at end of the FY
2010	13	20	0	1	12	12	4.7%	592	522	88.2%
2011	44	23	4	0	14	12	5.7%	592	536	90.5%
2012	36	24	1	2	19	7	5.4%	568	543	95.6%
2013	15	26	1	3	14	16	6.3%	568	524	92.3%
2014	26	27	1	0	13	24	7.3%	568	512	90.1%
2015	15	25	2	1	19	16	7.4%	539	489	90.7%
2016	12	20	3	1	15	16	7.2%	510	466	91.4%
2017	42	15	0	1	13	19	7.1%	510	476	93.3%
2018	17	16	0	3	15	11	6.1%	510	464	91.0%
2019	26	13	3	2	6	11	4.7%	500	467	93.4%

Guam Power Authority

Human Resources Division

FY 2019 Staffing Report

as of April 30, 2019



Guam Power Authority

Human Resources Division

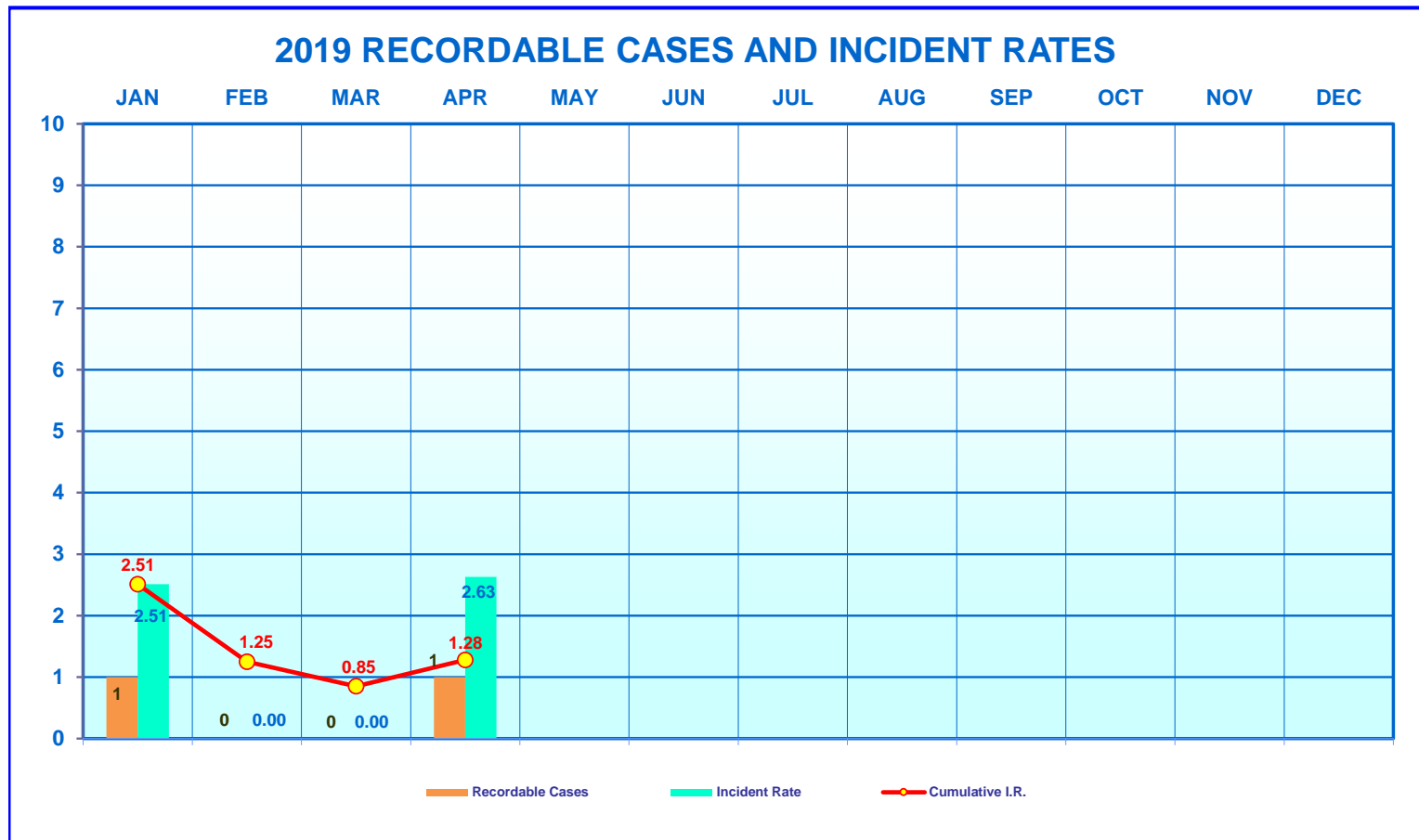
FY 2019 Staffing Report

as of April 30, 2019

Department / Division / Program	Prior Month Employee Count	Current Month Employee Count	No. of Vacancies Prior Month	No. of Vacancies Current Month	Total Staffing
Assistant GM - Administration	2	2	-	-	2
Assistant GM - Engineering & Technical Services	1	1	-	-	1
Assistant GM - Operations	2	2	-	-	2
Consolidated Commission on Utilities Board	2	2	-	-	2
Customer Service	31	31	1	1	32
Engineering	38	38	1	1	39
Facilities	9	9	-	-	9
Finance	42	43	2	1	44
General Manager (GM)	4	4	-	-	4
Generation	125	121	5	9	130
Human Resources	8	9	2	1	10
Information Technology	16	16	1	1	17
Internal Audit / Revenue Protection	3	3	-	-	3
Planning and Regulatory	8	8	-	-	8
Power System Control Center	25	25	2	2	27
Procurement	19	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	104	104	13	13	117
Transportation	11	11	-	-	11
Total full-time permanent employees	468	467	31	33	500
Apprenticeship Program	20	20	-	-	20
JOBS Program / GETP / SCSEP*	-	-	-	-	-
Summer Engineering Internship Program	-	-	-	-	-
Temporary hires (Public Law 34-116)	4	4	-	-	4
Work Experience Program	2	2	-	-	2
Total contractual / temporary employees	26	26	-	-	26
Work Force Grand Total	494	493	31	33	526

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

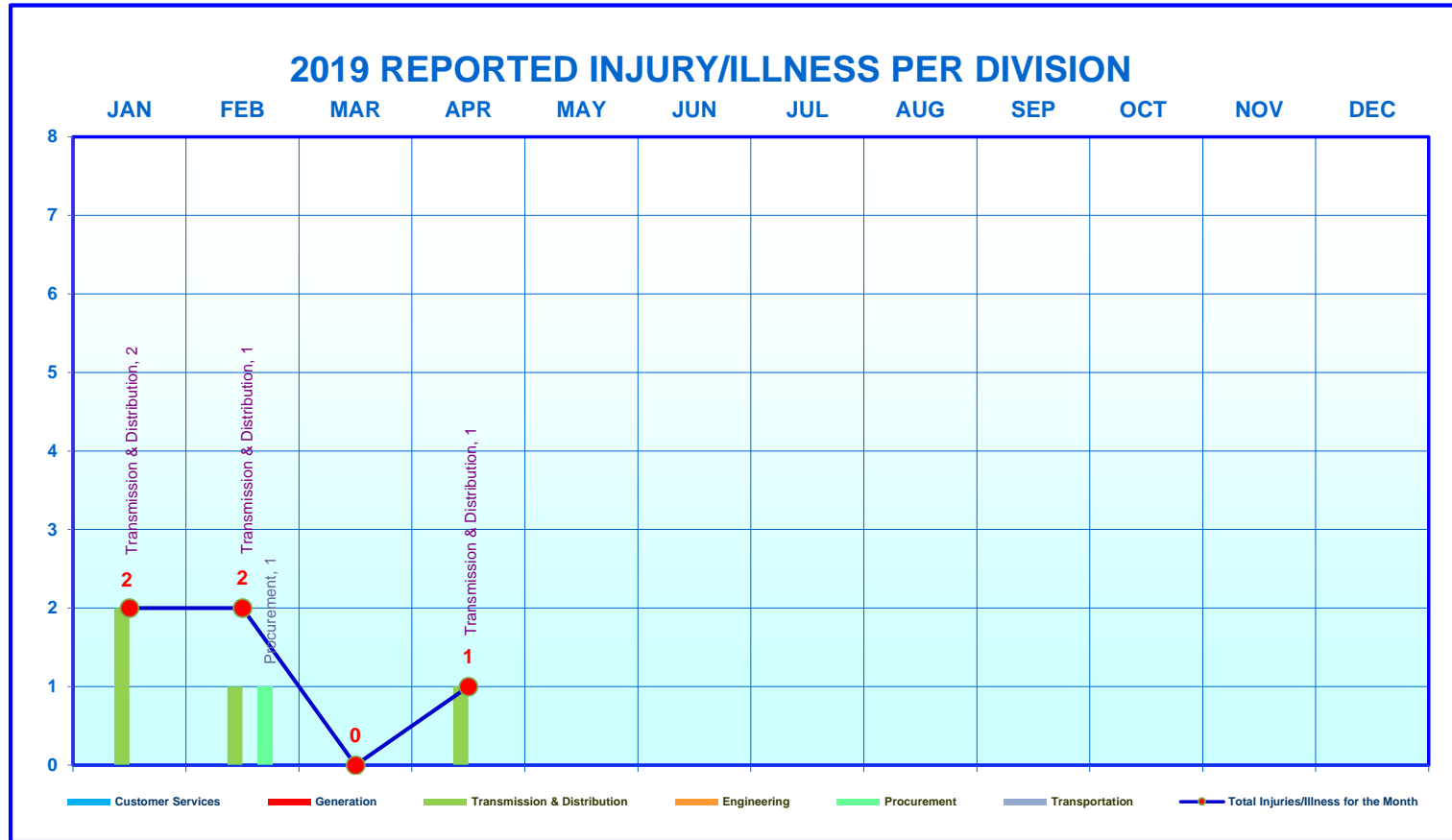
SAFETY DIVISION MONTHLY REPORT



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

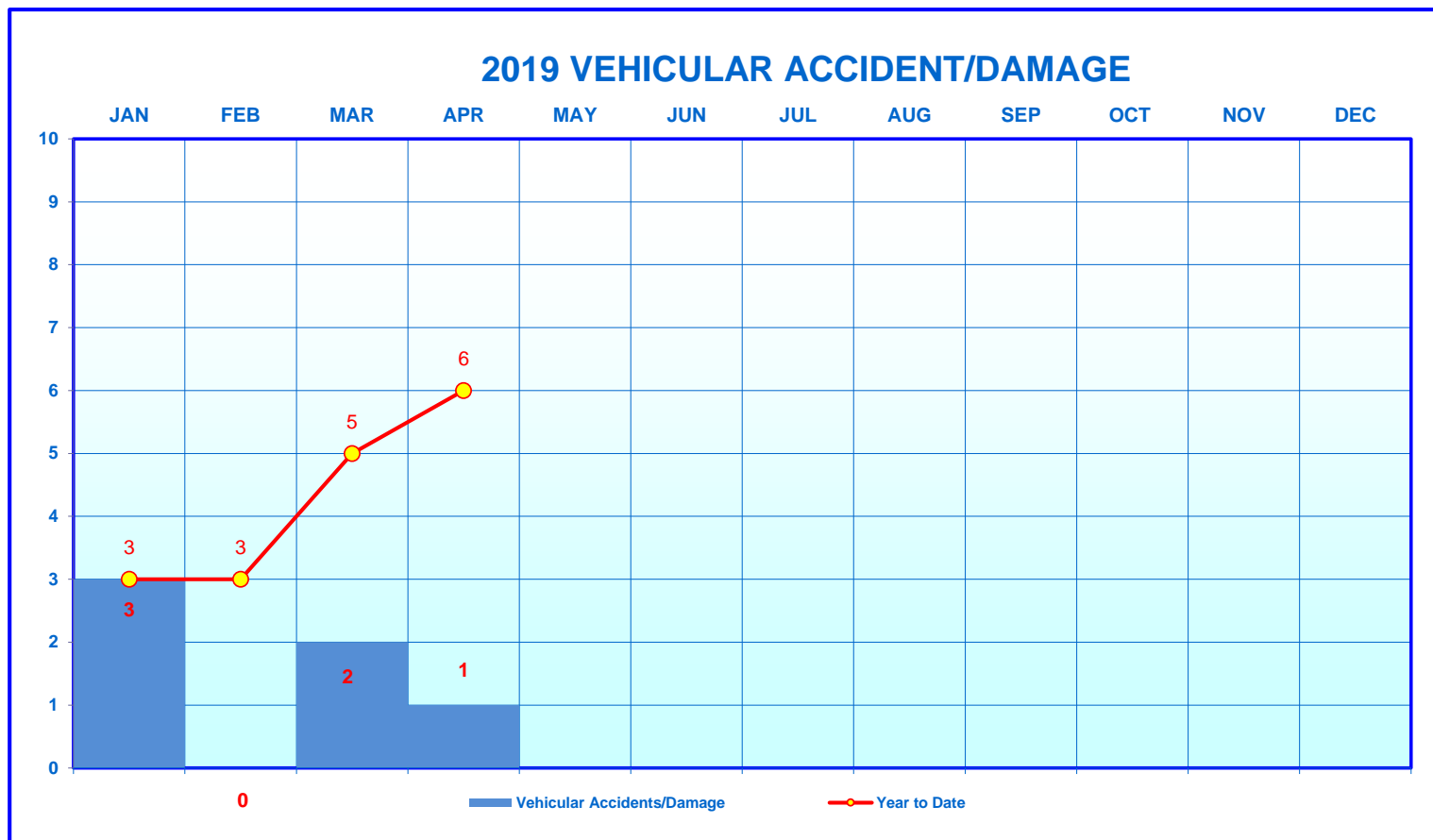
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Recordable Cases	1	0	0	1								
Incident Rate	2.51	0.00	0.00	2.63								
Cumulative I.R.	2.51	1.25	0.85	1.28								

SAFETY DIVISION MONTHLY REPORT



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

SAFETY DIVISION MONTHLY REPORT



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Vehicular Accidents/Damage	3	0	2	1								
Year to Date	3	3	5	6								
Accidents attributed to Employee fault	2	0	2	0								

PLANNING & REGULATORY DIVISION REPORT

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

INSPECTIONS/MONITORING

- Best Management Practices (BMP) Weekly Inspection/Report – Cabras Power Plant
- Monthly Spill Prevention, Control and Countermeasures (SPCC) Inspection/Report – Cabras Power Plant, Macheche, Dededo, Yigo CT, Talofoto, MDI, Tenjo Diesel, Piti 7 Power Plants, IP&E fuel Farm.
- Reviews monthly Continuous Emissions Monitoring System (CEMS) report and monitors TRC's O & M for Tenjo Diesel
- Inspected and trouble shoot RICE MACT monitoring equipment at Tenjo, Talofoto and MDI
- Emissions and Limits Tracking for GPA and Aggreko Power Plants
 - Monitoring CO and NOx emissions of the Aggreko generators not to exceed the allowable limit.
 - GPA Plants Limits based on Hours and/or Fuel Use
 - Modified format of report to show remaining balance for the month in terms of MWH as per request of PSCC
- WSD/WWSD survey of AST secondary containment and GIS in preparation for New AST permitting requirement
- Inspected and verified records
- Attended Walk-through at Navy Piti Substation Soil Remediation Project
- GPA-GWA aboveground storage tanks inspections in compliance for the GEPA permit application.

DISPOSAL OF WASTES

- Disposal of contaminated wastes at Dededo Sub, & Tenjo Diesel
- Prepared Scope of Work for the PCB quantifiable transformer oil disposal. Submitted to T & D for review and still waiting for approval from T & D

EMISSION TESTING

- Coordination with TRC and generation for the emission tests
- Completed Emissions Tests:
1. Tenjo 1, 2, & 6
 Tenjo Units 3, 4 & 5 (OFFLINE)
 2. Yigo CT
 3. Macheche CT
 4. Dededo CT 1 & 2

ENERGY RECOVERY

- Conducted used oil disposal at Dededo Sub tank 2
- Used oil disposal from Dededo Sub & Delta

ENVIRONMENTAL RESPONSE

- Responded to bucket truck spill in Mai Mai Asan

NPDES Permit

- Net DMR (Discharge Monitoring Report) 1st Quarter 2019 – submitted report via US EPA web app
- Net DMR (Discharge Monitoring Report) - submitted data missing fourth Quarter 2018 Report regarding chemical use and Anti-fouling agents.
- DMR-QA Study 39 – sent confirmation to Guam EPA regarding Facility info for Cabras NPDES Permit.
- Reviewing Draft NPDES Permit for Cabras Power Plant. Preparing comments to submit to US EPA

PROCUREMENT

- Prepared requisition for waste disposal
- Committee Member for ITB GPA-029-19 GPA/PAG Access Road Rehabilitation
- Committee Member for GPA-RFP-19-002 Consulting Services for Smart Grid Analytics Studies

REPORTING

- New Source Performance Standards (NSPS) Monthly Report– Submitted reports to GEPA for Dededo CT, Macheche CT, Yigo CT, Talofofo, Manenggon and Tenjo Diesel Plants.
- Submitted Quarterly Fuel switching report to USEPA
- Submitted to Guam EPA Quarterly UIC/Monitoring Well Sounding Report for Tanguisson PP.

STATE IMPLEMENTATION PLAN (SIP)

- Conference call/meeting with Guam EPA/ US EPA and TRC

TRAINING

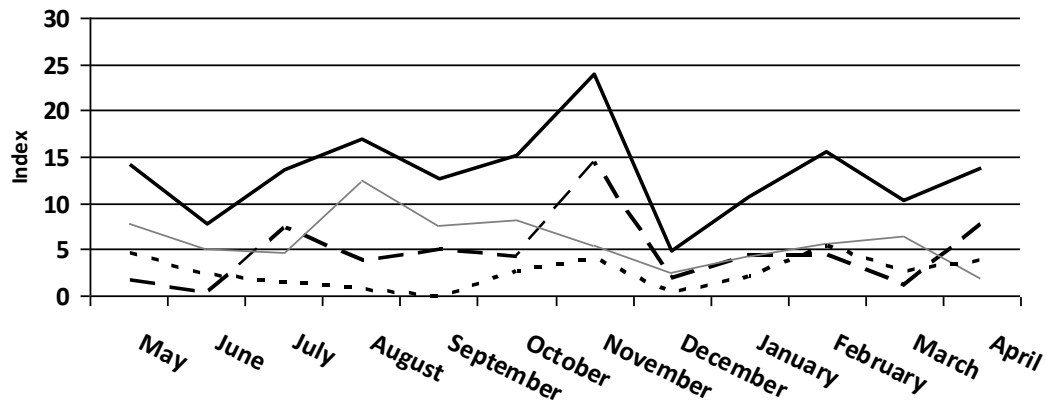
- Webinar - Toxic Release Inventory, Advanced Concepts for Reporting Year 2018

OTHERS

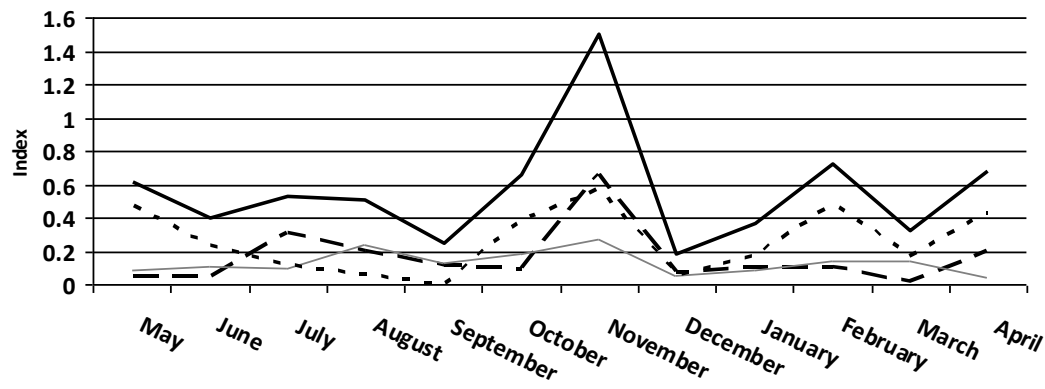
- Attended Center for Island Sustainability Conference
- Coordination with Guam EPA, NAVFAC on clean-up for Marbo Substation transformer oil spill
- Met with IP&E to discuss their NPDES Permit
- P-661 Navy-Commercial Tie-In Hardening. Attended meetings with SPORD and reviewed submittals.
- Received MultiRAE Handheld Air monitors for testing various gases. We are currently familiarizing ourselves with their function and calibration procedures



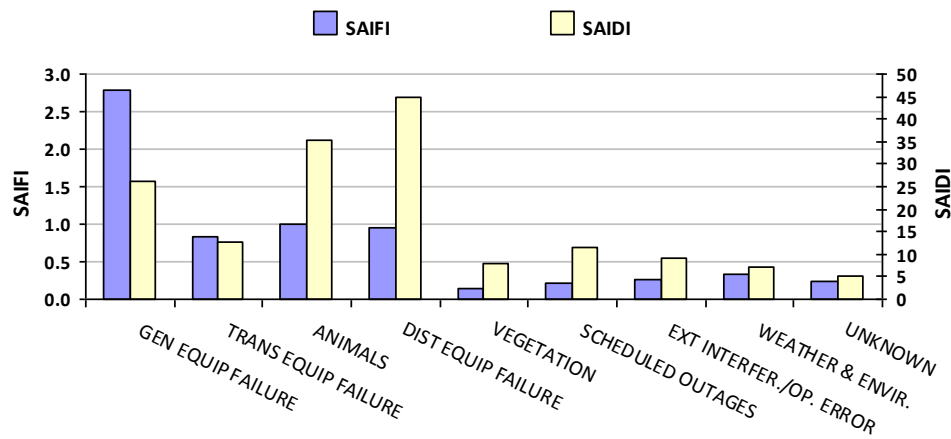
(Item 1.1,1.2,1.5) April 2019 SAIDI = 159.88 ↓ (162.10)



(Item 1.1,1.2,1.5) April 2019 SAIFI = 6.74 ↑ (6.40)

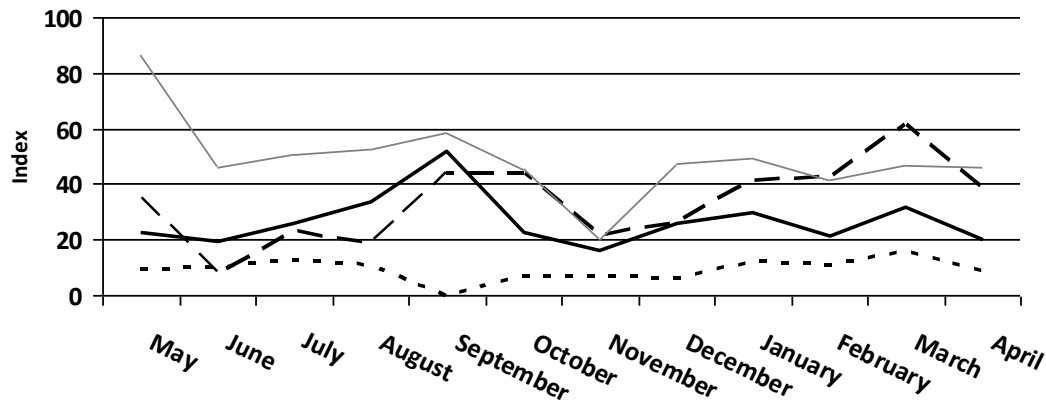
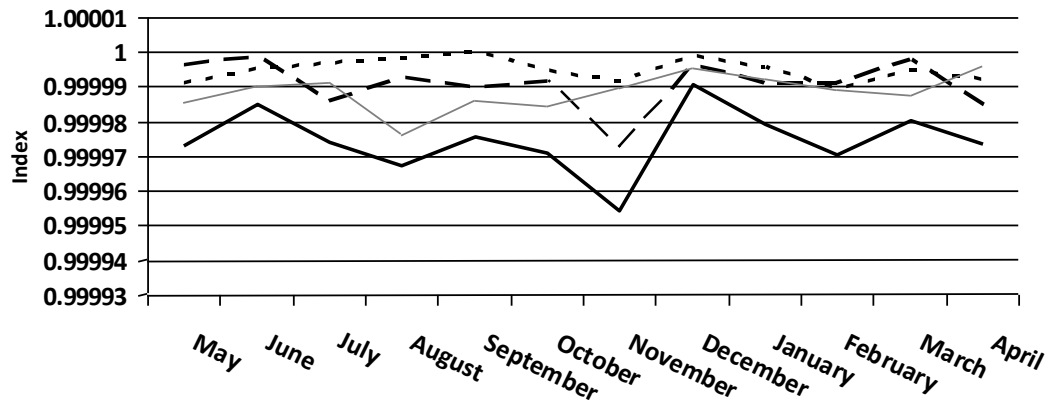


(Item 1.9) 12-Month Cause Contributions to Reliability



GEN EQUIP FAILURE
F:39.7% D:16.3%
TRANS EQUIP FAILURE
F:12.2% D:7.9%
ANIMALS
F:14.1% D:22.1%
DIST EQUIP FAILURE
F:14.1% D:28.1%
VEGETATION
F:2.3% D:5.0%
SCHEDULED OUTAGES
F:6.3% D:7.2%
EXT INTERFER./OP. ERROR
F:3.4% D:5.6%
WEATHER & ENVIR.
F:4.8% D:4.5%
UNKNOWN
F:3.2% D:3.2%

As of April 30, 2019

(Item 1.1,1.2,1.5) April 2019 CAIDI = 23.73 ↓ (25.34)**(Item 1.1,1.2,1.5) April 2019 ASAI = 0.9997 UNC* (0.9997)****(Item 1.4) Top 5 Worst Feeders Distribution Causes**

#	Feeder	Outage Count
1	P262	13
2	P340	12
3	P261	12
4	P341	9
5	P294	9

(Item 1.3) Outage Count

TOTAL	UFLS	Non-UFLS
710	288	422

(Item 1.4) Top 5 Distribution Outage Causes

#	Outage Cause	Count
1	Wind	112
2	Overhead Equipment	54
3	Substation Equipment	19
4	Vegetation	9
5	Underground Equipment	9

(Item 1.3) UFLS Contribution to Reliability

SAIDI	SAIFI	CAIDI
39.54	3.96	10.00

UNC* - Unchanged

As of April 30, 2019

GPA Work Session - May 23 2019 - DIVISION REPORTS

ENGINEERING WORK ORDERS

Engineering Work Order Summary - April 2019	
Work Orders Received from CSR	78
Work Orders Processed & Released to T&D	212
Work Orders Processed & Released to CSR	34
Work Orders Cancelled	31
Work Orders Pending Survey	28
Total Pending WO at Engineering	688

Engineering Large Customer and Net Metering Tracking						
Date Received	Customer Name	Work Order Numbers	Location	KVA	Meter Qty	Status
12/20/2013	CoreTech International	Multiple	Dededo	300	64	Lada Estates, 450 kVA, Phase I and II are 100% Completed - 242 units energized. Phase III, 66 Units, 8 completed, 58 Pending, 97% Completed, 300 kVA. Phase IV currently in design phase by EMCE.
1/27/2015	TG Engineers	422182-85, 90-93, 96-98	Agana Heights	100	11	10 Unit Apartment, 100 kVA, 80% Completed. Work currently on hold.
5/13/2015	CoreTech International Towers, Tower 101, 102, 103, and 104	426021	Tamuning	3300	45	New condominiums, 2-1500kVA and 1 300 kVA, Tower 101 and 102 100% Completed, Tower 103 and 104 are 50% completed. Temporary power pending for Community Center, 100% Completed. First 52 Service Orders for Tower 101 is 100% completed. 44 Service Orders released to T&D for Tower 102. Work on Tower 103 and 104 ongoing.
6/1/2017	New Underground Line (P-047)	466064	Tumon	1500	1	New Underground line 75% completed.
8/7/2017	Matsumoto, Akiyoshi	452146-49, 51, 4, 6	Tumon	60	7	New 6 Unit Apartment with Common Meter. 70% Completed.
3/1/2018	Docomo Pacific Inc., New Data Center	Pending Application	Talofofo	3000	1	New Data Center. Planned to come off P-260 and P-262. 0% Completed. Still in Design Phase.
04/01/18	HG Northeast Inc	459085	Mangilao	100	14	New 14 Unit Subdivision, 15% Completed, 100 kVA, Pending Applications
4/30/2018	Rex International	459698	Sinajana	225	1	New Central Police Precinct, 99% Completed, Pending Occupancy and Easement, 225 kVA
2/28/2018	Black Construction (Route 3 Road Improvements)	458020	Dededo			Route 3 Road Improvements. Involves the relocation of upto 54 ea. 45' concrete poles. 98% Completed.
05/12/18	Bestry Corporation	450085	Hagatna	500	8	Hamilton Hotel Renovation and Rehabilitation, 8 Meters, 100% Completed, 500 kVA. Pending Completion of punchlist items.
06/14/18	Guam Waterworks Authority	461363	Umatac-Merizo	300	1	New Umatac-Merizo Wastewater Treatment, 20% Completed, 300 kVA
12/13/18	Simpson, Henry M	466907, 8, 466658	Santa Rita			New Subdivision. Design Ongoing. Demand load pending completion of subdivision design.
02/01/19	Ironwood Villa Del Mar, LLC	Multiple	Mongmong/Toto	350	50	New 50 Unit Apartments, 60% completed, multiple buildings with multiple transformers.
10/01/18	Ada's Trust & Investments	464891	Hagatna	300	1	New Commercial Building. 100% completed. Pending Inspection Report.
10/10/18	Don Sadwahni	465341	Harmon	2000	1	New Industrial Subdivision, Inspection of civil work only, Proposed 12 Pad Mounted Xfmrs 75% Completed.
11/19/18	TNN Guam Primary Meter	466064	Tumon	1800	1	Permanent primary meter for Tsubaki Hotel and Nikko Hotel (1800 + 3000kVA Nikko), 79.4% Completed.
04/26/19	JohnDel International	469700-2,5, 6	Tamuning		5	New Office Building, pending transformer sizing.
04/26/19	Matsumoto, Akiyoshi	469867-9,71,72,73	Tumon		7	New 6 Unit Condo, Pending transformer sizing.
04/26/19	AIC International	469520	Barrigada		2	New Nissan Hyndaia Housing Reservoir and Nissan Tank Refurbishment (GWA)
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		1	Pending Net Metering Customers as of April 30, 2019.
Total				13835	221	

E&TS Divisional Report Summary

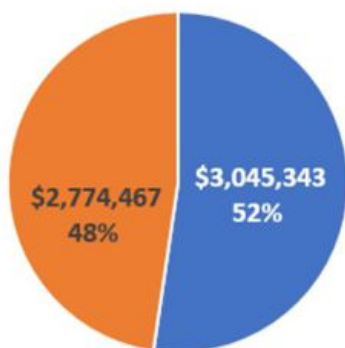
May 17, 2019

Contents

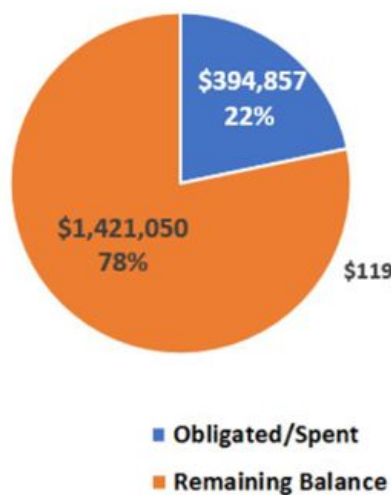
- E&TS Budget Execution Performance
 - O&M Contract Budget
 - CIP Budget
 - DSM Budget
- Environmental Compliance (SPCC and BMP Inspections)

E&TS Budget Execution Performance

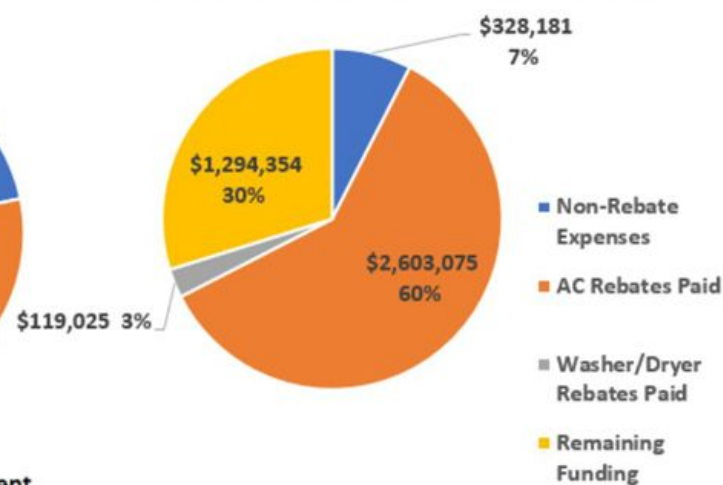
E&TS O&M Contract Budget



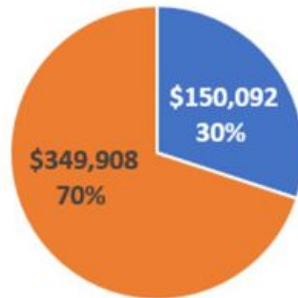
E&TS CIP Budget



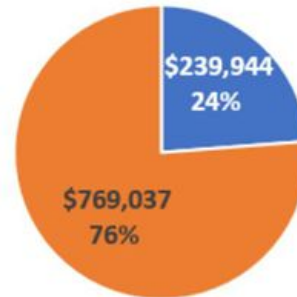
DEC 2015 to APR 2019 DSM EXPENSE SUMMARY



ENG O&M Contract Budget

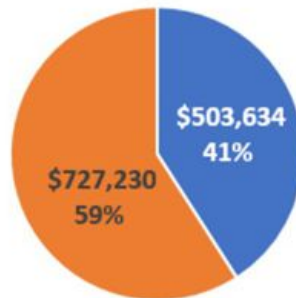


SPORD O&M Contract Budget

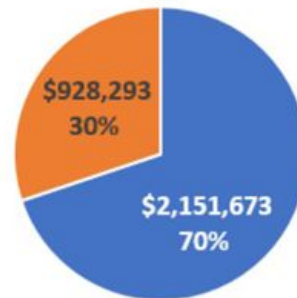


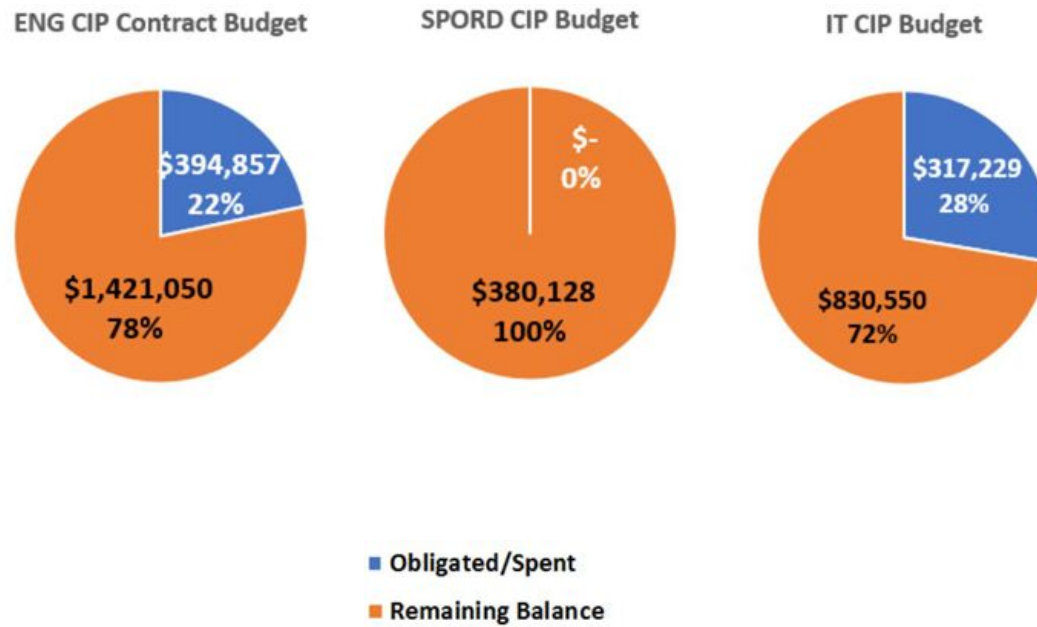
■ Obligated/Spent
■ Remaining Balance

P&R O&M Contract Budget



IT O&M Contract Budget





FY 2019 Procurement Status

Business Unit	Current Type					Current Status			Planned			
	RFP	Bid	Multistep Bid	Total	Resolicited	QBL Established	Evaluation Completed	Award/NTP	RFP	Bid	Multistep Bid	Total
SPORD	7		7	14		1	7		1	3		4
Engineering	3	24		27			7	7	2	10		12
SPORD/Engineering		3		3				2				
IT	1	3		4								0
P&R			2	2			1	2		2		2
Total	11	30	9	50	0	1	15	11	3	15	0	18

Environmental Compliance

P&R Inspections Status Ending April 30, 2019

Inspection Type	Organization Responsibility	Violations Not Remediated	Number
Spill Prevention, Control, and Countermeasure (SPCC)	Generation	New Violation Notifications Issued	7
		Remediations Past Due	16
		Remediations Not Past Due	0
	T&D	New Violation Notifications Issued	0
		Remediations Past Due	2
		Remediations Not Past Due	0
Best Management Practices (BMPs)	Generation	New Violation Notifications Issued	1
		Remediations Past Due	6
		Remediations Not Past Due	0

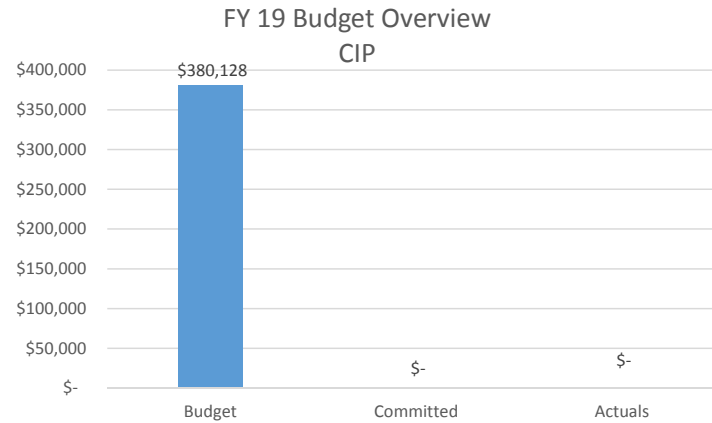
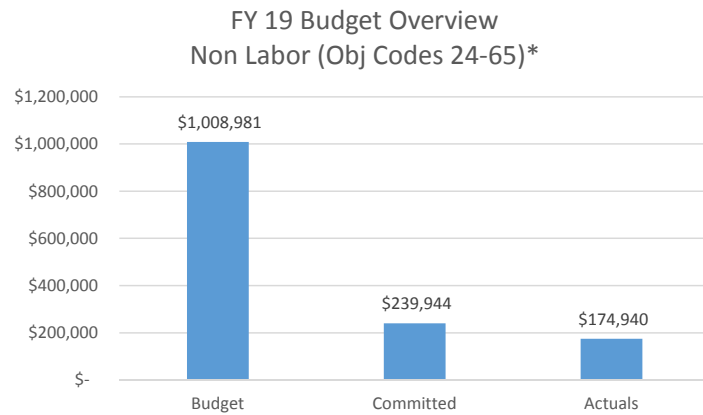
- SPCC rule purpose is to help facilities prevent oil discharges into navigable waters or adjoining shorelines
- BMP refers to a type of auxiliary pollution controls in the fields of industrial wastewater control and municipal sewage control, storm water management, and wetland management

SPORD CCU Report

Update thru April 30, 2019

SPORD FY 2019 Budget Status

thru April 2019



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

SPORD FY 2019 Budget Status

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

	Budgeted Amount	Committed Amount	Actuals	PO Balance
Aggreko Contract	\$ 12,822,000	\$ 12,414,831	\$ 6,968,809	\$ 5,446,022
Fuel Contracts	\$ 272,011,115	\$ 249,407,906	\$ 123,632,292	\$ 125,775,614
MEC IPP (Piti 8&9)	\$ 21,183,000	\$ 13,243,050	\$ 13,142,602	\$ 100,448
NRG Contract (Renewable)	\$ 10,463,361	\$ 10,178,157	\$ 4,604,771	\$ 5,573,386
	\$ 316,479,476	\$ 285,243,944	\$ 148,348,473	\$ 136,895,471

SPORD FY 2019 Budget Status

Description	FY16	FY17	FY18	FY19 thru 4/30/19*	Total to Date
Regular/OT Pay	\$ 11,348.80	\$ 22,256.00	\$ 26,121.83	\$ 28,166.28	\$ 87,892.91
Other Contractual	\$ 28,278.50	\$ 85,550.05	\$ 116,977.50	\$ 3,025.00	\$ 233,831.05
Ads & Radio Announcements	-	-	-	\$ 4,000.00	\$ 4,000.00
Paid Rebates–Split AC	\$ 154,700.00	\$ 557,275.00	\$ 1,247,000.00	\$ 624,700.00	\$ 2,583,675.00
Paid Rebates– Central AC	\$ 3,400.00	\$ 8,200.00	\$ 4,400.00	\$ 3,400.00	\$ 19,400.00
Paid Rebates– Washer/Dryer	\$ 2,800.00	\$ 7,425.00	\$ 48,800.00	\$ 60,000.00	\$ 119,025.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,443,299.33	\$ 723,291.28	\$3,047,823.96
Bank Interest (+)	\$ 1,676.42	\$ 1,722.74	\$ 1,222.29	\$ 518.07	\$ 5,139.52
Bank Fees	\$ 155.00	\$ 1,032.06	\$ 1,085.08	\$ 185.00	\$ 2,457.14
Ending Balance					\$ 1,297,036.42

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

Ongoing Activities

- Contract Performance Management (IPP, Agrekko)
- Generation Fuel Supply & Fuel Farm Management
- DSM Rebate Processing & UESC Program
- Renewables (Wind Turbine Maint & DOAg MOA, NRG Invoicing)
- New Power Plant Procurement
- Smart Grid/Network Support
- Project Management
 - Procurement
 - *April 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)	SMART GRID	Mobile Workforce Management System (MWMS) **RE-BID**	MS Bid		3/30/2019	12/31/2019	Contract Negotiations
SPORD (MAT)	OPERATIONS	MEC Waste Oil Hauling	*not required*	*not required*	Est. 5/1/2019	1/30/2024 (5 Year contract)	Final stages of procurement processes.
SPORD (RAC)	PLANNING	MV90 Integration Services	RFP	*not required*	TBD	TBD	Vendor acquiring business license
SPORD (RAC)	PLANNING	Milsoft Systems Software Services	RFP	*not required*	Aug 2019	Aug 2019	Scheduling of Training August 2019
SPORD (LOS)	STUDIES	Power System Analyses and Studies	RFP		TBD	TBD	Pending Scope & Proposal for initial tasks
SPORD (RAC)	SCADA	DNP3 SA training	RFP		TBD	TBD	Price Negotiations Ongoing
SPORD (RAC)	SMARTWORK SYSTEMS	Smartworks Systems Software Services	RFP	RFP-19-007	Feb-19	4/11/2019	Price Negotiations Ongoing

ONGOING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (FJI)	NEW POWER PLANT	Build, Operate & Transfer Contract for 120-180MW of New Generation Capacity.	MS Bid	GPA-034-18	1/16/2018	4/5/2018	Step II - Technical evaluation ongoing. July 2018. Price Evaluation is scheduled for 6/3/2019
SPORD (ANF)	FUEL	Supply of Diesel Fuel Oil No. 2	MS Bid	GPA-008-18	11/16/2017	5/3/19, 5/10/2019, 5/17/2019, 5/24/2019	Bid openings ongoing for 4 Site Locations
SPORD (JTL)	RENEWABLES	Renewable Energy Resource Phase III	MS Bid	GPA-007-18	11/16/2017	6/3/2019	Bid extended to address final clarifications from bidders.
SPORD (MAT)	FUEL / OPERATIONS	Handling and Hauling of GPA Used Oil and Supply of GPA Used Oil Meeting GPA Specifications	MS Bid	GPA-118-18	Sep-18	6/3/2019	Extended as requested by Senator Clynton E. Ridgell

PROCUREMENT ACTIVITIES

ONGOING PROCUREMENT (continued)

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (MAT)	SPORD Software	Planning & Optimization Software	RFP	RFP-19-004		4/4/2019	No proposals received. Conducting market research prior to resolicitation if modifications to RFP are required.
SPORD (RAC)	STUDIES	Consulting Services for Distribution Study using Smart Grid Analytics	RFP	RE-SOLICITATION RFP-19-002	Feb-19	3/28/2019	Evaluation ongoing (3 vendors)
SPORD (RAC)	ELECTRIC VEHICLE	Electric Vehicle	MS Bid			TBD	Bid Evaluation ongoing

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)
Responsible	PROJECT	Description	Bid or RFP	Projected Start	Projected Completion	Status
SPORD (ANF/MAT)	FUEL	GPA Bulk Fuel Storage Facility PMC	Bid	FY2019	Sep-19	Developing Specifications to convert to PMC
SPORD (LOS)	WIND TURBINE	Wind Turbine O&M Supervision and Materials	RFP	FY2019	FY2019	Developing RFP documents
SPORD (ANF)	FUEL	Bulk ULSD Supply	Re- Bid	FY2019	FY2019	Developing/revising specifications
SPORD (ANF)	FUEL	WSD ULSD Supply	Re- Bid	FY2019	FY2019	Developing/revising specifications

Project Activities

No.	Project Description	April 2019 Activities	Status / Est. Completion	RFP/Bid No
1	Energy Storage System (Phase I)	Final design completed. Clearing and grading permit work commenced in November 2017. Foundation permit work commenced in January 2018. Construction is 80% completed.	Sept/Oct 2019 (reviewing schedule and progress for project delays)	MS Bid GPA-082-15
2	Renewable Energy Resource Phase II	On-going review for KEPCO-LGCNS substation design drawings for permitting. Hanwha working on interconnection scope and design.	KEPCO PV plant COD is APR 2021. Hanwha's COD is NLT Aug 22, 2021.	MS Bid GPA-070-16
3	New Power Plant Bid (EPCM)	Four (4) technical proposals received on April 2. GPA is completing evaluation and is scheduled to notify bidders of qualification on May 15. Price proposals are due on May 31. Bid opening is scheduled for June 3.	Projected Award (2019 Q3) COD (2022 Q2)	MS GPA-034-18
4	DSM Marketing	No additional activities funded for remaining of the year.	Continuous	
5	DSM Rebate Program	Processed about 470 equipment in applications for rebates totaling ~ \$100k	Continuous	
6	Wireless Network Expansion	Commenced Southern Expansion in collaboration with GWA: 30% Router Equipment and Accessories purchase Preparing next router order and installation documents	Dec-18 June 2019 October 2019	GPA-019-18
7	Electric Grid Analysis Software	Training on Planning and Analysis Cases Software Upgrade - L+G to be onsite April for software upgrade	Aug-19 Apr-19	GPA-064-16
8	GDOE BEST Schools	Pilot Project: Carbullido Elementary School - Completed site audit and developed pilot scope. Lighting Grant Project: Southern High and George Washington High - Completed site audit and developed scope. DOI issued Authorization to Proceed in April 2019. Projected schedule of work is Summer 2019 for GDOE projects.	Ongoing	GPA-RFP-16-013

Project Activities

No.	Project Description	April 2019 Activities	Status / Est. Completion	RFP/Bid No
9	Supervisory Control and Data Acquisition (SCADA) System	Project Substantially completed	Feb-19	GPA-066-16
10	Mobile Workforce Management System	Contract Negotiations	Dec-19	GPA-023-17
11	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	Evaluation ongoing (3 vendors)	Due March 28, 2019	RE-SOLICITATION GPA-RFP-19-002
12	MEC Piti & #8 and #9 - ECA Extension	Contract Extension commenced 12:00 Noon January 29, 2019. (No issues) Need to request PUC approval for Retrofit to ULSD ASAP, to be able to start planning and procurement.	IN PROGRESS	
13	Generation Software (GADS open software)	Pending data entry from Generation & SPORD.	IN PROGRESS	
14	IFB for ULSD Supply for Baseloads and Peaking Units	Solicitation in progress. Bid package revised to include delivery requirements.	Start Date: Nov 2017 Est. completion: 2019	IFB GPA-008-18
15	EV Infrastructure	Fast charge station scope for Mangilao offices. Developing fast charge station scope for Mangilao offices.	6/1/2019	
16	Renewable Energy Resource Phase III	Completed pre-bid conference and site visits January 23-24 2018. GPA/Navy evaluating lease to address bidder questions. Bid extended pending amendment to include lease modifications.	6/3/2019 Tech Proposal Due	GPA-007-18
17	Utility Energy Services Contract (UESC)	Continued work with GDOE on Best Schools Program (Grant & Pilot) Continued discussions with Navy, KenCorp, Bank of Guam, UOG on potential scope.	Ongoing	
18	IFB for RFO Supply to Baseload Plants	Completed. 2-year Contract to commence on Dec 1, 2018 and will expire on August 31, 2020 with 3-1 year extension options	Completed	IFB GPA-009-18

Project Activities

No.	Project Description	April 2019 Activities	Status / Est. Completion	RFP/Bid No
19	GPA Fuel Farm RFO Pipeline Repair & Upgrade	c/o Engineering Project Mgt. Design completed. For permitting.	Permitting in progress. Project Implementation to follow. Estimated completion: FY 2019	IFB GPA-047-18
20	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt. Solicitation for Contractor(s) services in progress.	Solicitation in progress Estimated Start: May 2019 Est. Completion: Feb 2020	IFB GPA-027-19
21	Tk 1934 & Tk1935 API 653 Internal Inspection	c/o Engineering Project Mgt. Solicitation for Contractor(s) services in progress.	Solicitation in progress Estimated Start: Oct 2019 Est. Completion: Feb 2020	IFB GPA-028-19
22	Milsoft Systems Software Services	Scheduling of Training August 2019	Continuous	GPA-RFP-18-003
23	MV90 Integration Services	Vendor acquiring business license	May-19	GPA-RFP-18-001
24	Grant Support	Continued grant development and execution: 1. Execution of GW & Southern HS Lighting Retrofit with Siemens (UESC Partner) 2. Guam Energy Office EnergySmart School Grant finalizing scope and MOU 3. Submittal of grant application for EV Bus		
25	Redesignation of Cabras-Piti / Guam	Re-designation received 12/2018. P&R leading SIP Modeling, SIP draft, with TRC assistance. SPORD standing by for support. AAQM Installation/Implementation on hold, will depend on USEPA approval of SIP after submission on/before July 2019	Start: October 2011 Est. Completion: July 2019 *Submitted to EPA by completion date; approval of SIP will come later.	RFP-11-001
26	Environmental Strategic Planning	Final Plan distributed to Executive Management and key managers. Will start work on recommendations.	Start: April 2018 Completed: Feb 2019	RFP-11-001

Project Activities

No.	Project Description	April 2019 Activities	Status / Est. Completion	RFP/Bid No
27	GPA Fuel Farm- OWS Upgrading	c/o Engineering Project Mgt. Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair.	Solicitation in progress Estimated Start: Feb 2019 Est. Completion: Feb 2020	IFB GPA-028-19
28	GPA Fuel Farm- LD System Upgrading	c/o Engineering Project Mgt Scope included in Tk 1934 & Tk1935 API 653 Internal Inspection and repair.	Solicitation in progress Estimated Start: Feb 2019 Est. Completion: Feb 2020	IFB GPA-028-19
29	MSB for Supply of Reprocessed Waste Oil Meeting GPA's ULSD Specifications	Multi-step Bid for the Supply of Reprocessed Waste Oil Meeting GPA's ULSD Specifications. Supplier will haul Waste Oil from GPA WOF, reprocess waste oil to meet GPA's ULSD Specifications, and supply to designated GPA Power Plants	Announced : Sept 19 2018 Est. Award: September 2019	MS GPA-118-18
30	IFB for MEC Waste Oil Hauling	Bid for the Hauling of MEC Waste Oil.	Recommendation approved, awaiting completion of insurance requirements c/o procurement. Est. Commencement June 2019.	GPA-019-19
31	Energy Storage Development Support	Consultant preparing proposal for third-party commissioning services	Sept/Oct 2019	GPA-RFP-13-007
32	Wind Turbine Maintenance Supervision and Materials	Consultant to supervise turbine repairs & replacement parts.	May/Jun 2019	Sole Source
33	Planning Software Contract	Procurement of Planning Software, including installation, design, implementation, training and consulting services. No bids received. Market Research on-going.	RFP Announcement: Est. June 2019 Est. Award: Sept 2019	RFP-19-004
34	Strategic Planning	On-going discussions for final & detailed SOW with consultant. (c/o Finance Contract w/ Mark Beauchamp)	Estimated Start: TBD Est. Completion: TBD	
35	Power System Analyses and Studies	S&C selected as most qualified proponent. Cost proposal is pending scope of work.	Estimated Start: TBD Est. Completion: Sept 2019	

CCU Report- DSM

As of April 30, 2019

All Expenses – Fiscal Year

Description	FY16	FY17	FY18	FY19 thru 4/30/19*	Total to Date
Regular/OT Pay	\$ 11,348.80	\$ 22,256.00	\$ 26,121.83	\$ 28,166.28	\$ 87,892.91
Other Contractual	\$ 28,278.50	\$ 85,550.05	\$ 116,977.50	\$ 3,025.00	\$ 233,831.05
Ads & Radio Announcements	-	-	-	\$ 4,000.00	\$ 4,000.00
Paid Rebates–Split AC	\$ 154,700.00	\$ 557,275.00	\$ 1,247,000.00	\$ 624,700.00	\$ 2,583,675.00
Paid Rebates– Central AC	\$ 3,400.00	\$ 8,200.00	\$ 4,400.00	\$ 3,400.00	\$ 19,400.00
Paid Rebates– Washer/Dryer	\$ 2,800.00	\$ 7,425.00	\$ 48,800.00	\$ 60,000.00	\$ 119,025.00
Total Expenses	\$200,527.30	\$680,706.05	\$1,443,299.33	\$ 723,291.28	\$3,047,823.96
Bank Interest (+)	\$ 1,676.42	\$ 1,722.74	\$ 1,222.29	\$ 518.07	\$ 5,139.52
Bank Fees	\$ 155.00	\$ 1,032.06	\$ 1,085.08	\$ 185.00	\$ 2,457.14
Ending Balance					\$ 1,297,036.42

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

DSM Funding

No.	Description	FY16
1	Initial DSM Budget FY 2016	\$ 1,806,014.00
2	Interest Income as of April 30, 2019	\$ 5,139.52
3	Bank Fees as of April 30, 2019	\$ 2,457.14
4	Total Expense as of April 30, 2019	\$ 3,047,823.96
5	Ending Balance as of April 30, 2019	(\$1,239,127.58)
6	Additional Budget: Approved (FY'18)	\$ 1,139,189.00
7	Insurance Premium Savings: Approved (FY'19)	\$ 1,000,000.00
8	SPORD DSM Funds (FY'19)	\$ 396,975.00
	DSM Ending Balance	\$ 1,297,036.42

FY 2017- Rebate Amount Paid Monthly

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

FY 2018- Rebate Amount Paid Monthly

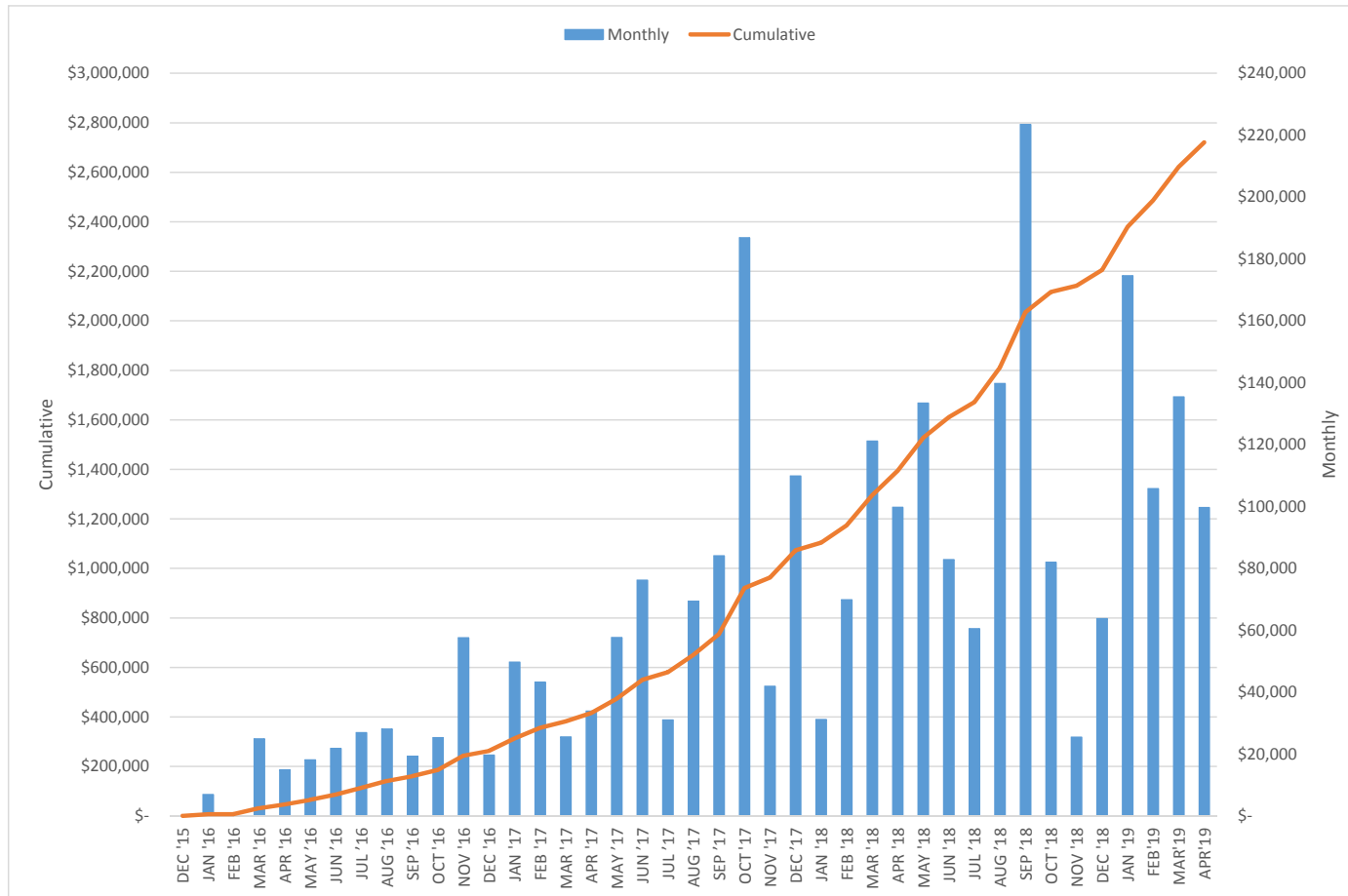
Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '17	\$ 186,850.00	\$ 185,850.00	\$ 800.00	\$ 200.00
NOV '17	\$ 41,900.00	\$ 41,700.00		\$ 200.00
DEC '17	\$ 109,875.00	\$ 108,475.00		\$ 1,400.00
JAN '18	\$ 31,175.00	\$ 31,175.00		
FEB '18	\$ 69,825.00	\$ 68,825.00		\$ 1,000.00
MAR '18	\$ 121,100.00	\$ 120,100.00		\$ 1,000.00
APR '18	\$ 99,700.00	\$ 94,400.00	\$ 500.00	\$ 4,800.00
MAY '18	\$ 133,350.00	\$ 127,150.00		\$ 6,200.00
JUN '18	\$ 82,800.00	\$ 77,600.00		\$ 5,200.00
JUL '18	\$ 60,475.00	\$ 56,475.00	\$ 1,000.00	\$ 3,000.00
AUG '18	\$ 139,750.00	\$ 129,650.00	\$ 1,300.00	\$ 8,800.00
SEP '18	\$ 223,400.00	\$ 205,600.00	\$ 800.00	\$17,000.00
TOTALS	\$1,300,200.00	\$1,247,000.00	\$ 4,400.00	\$48,800.00

FY 2019- Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/ Dryers
OCT '18	\$ 82,000.00	\$ 75,400.00	\$ -	\$ 6,600.00
NOV '18	\$ 25,425.00	\$ 23,425.00	\$ -	\$ 2,000.00
DEC '18	\$ 63,725.00	\$ 62,325.00	\$ -	\$ 1,400.00
JAN '19*	\$ 174,550.00	\$ 157,550.00	\$ -	\$ 17,000.00
FEB '19	\$ 105,725.00	\$ 96,925.00	\$ -	\$ 8,800.00
MAR '19	\$ 135,425.00	\$ 118,225.00	\$ 3,400.00	\$ 13,800.00
APR '19	\$ 99,650.00	\$ 89,250.00	\$ -	\$ 10,400.00
MAY '19				
JUN '19				
JUL '19				
AUG '19				
SEP '19				
TOTALS	\$ 686,500.00	\$ 623,100.00	\$ 3,400.00	\$ 60,000.00

* Expenses for April '19 are preliminary

FY'17- FY'19 Rebate Amount Paid



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

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

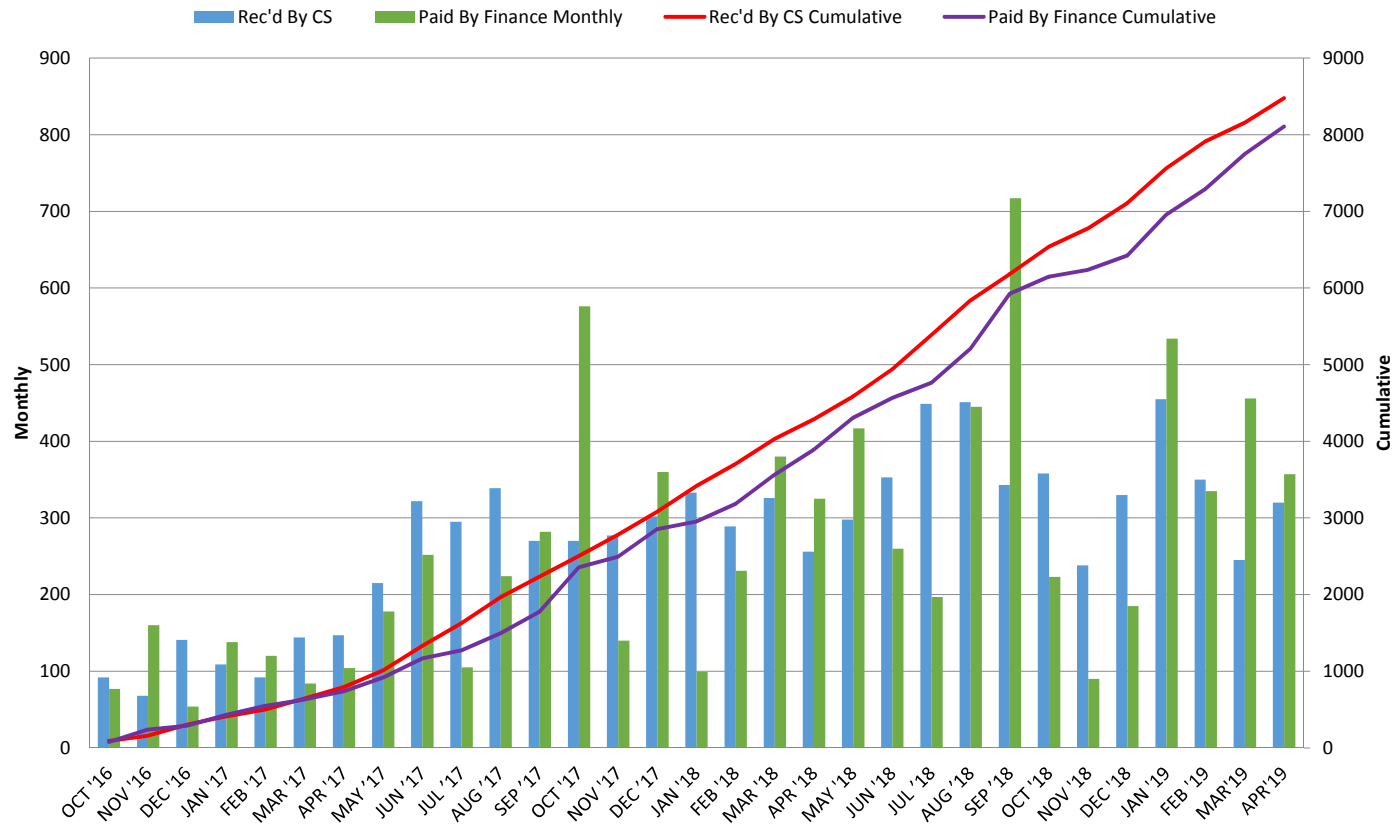
FY 2018- Number of Applications Received By Customer Service and Paid Monthly

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

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

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

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

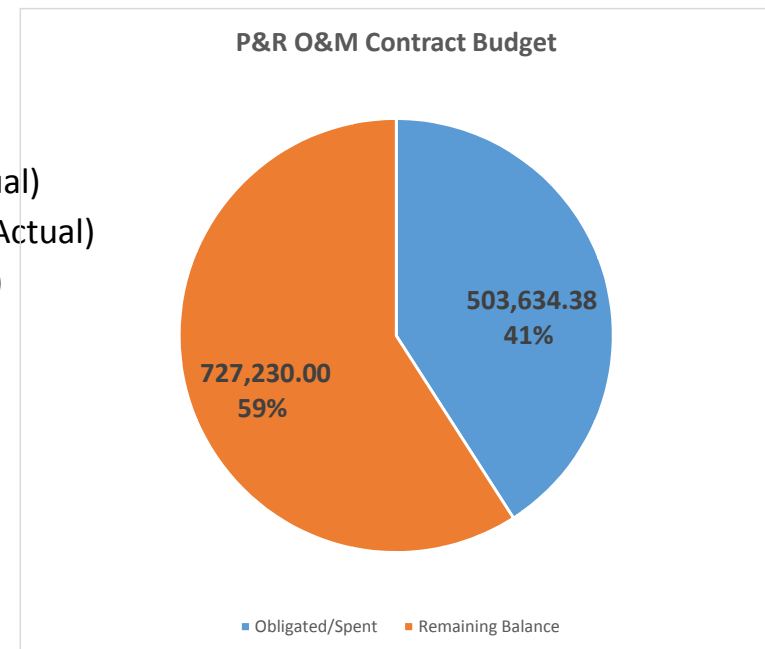


Planning & Regulatory CCU Report

April 30, 2019

Planning & Regulatory O&M Contract Budget

- Revenue Funded
- Target
 - 0.10% O&M Obligation as of October 31, 2018 (Actual)
 - 24.24% O&M Obligation as of November 30, 2018 (Actual)
 - 32.68% O&M Obligation as of Dec. 31, 2018 (Actual)
 - 38.66% O&M Obligation as of Feb. 28, 2019 (Actual)
 - 40.92% O&M Obligation as of Apr. 30, 2019 (Actual)
 - 77.71% O&M Obligated by July 31, 2019



P&R Weekly & Monthly Inspection Reports

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

P&R Inspection Report Purpose

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

Weekly BMP Report

WEEKLY BMP REPORT SUMMARY
CABRAS POWER PLANT
MONTH OF APRIL 2019

LEGEND OF TRACKING



Notification Date



Completed

Within Scheduled Remediation
Period

Deadline is Past Due

INSPECTOR: NOEL P. CRUZ

LOCATION	WE 04/05/19 FINDINGS	WE 04/12/19 FINDINGS	WE 04/19/19 FINDINGS	WE 04/26/19 FINDINGS	RECOMMENDATION/ REMARKS	INITIAL FINDINGS DATE	DUE DATE	DATE COMPLETE D	RESPONSE
Infiltration Pond (Cabras 3&4)	Container van with used insulation	Container van with used insulation	Container van with used insulation	Container van with used insulation	Remove	11/16/2018	ASAP		
Power Plant Building (Cabras 1, 2, 3, & 4)	Drums containing soot and oily waste (rags, sorbent pads)	Drums containing soot and oily waste (rags, sorbent pads)	Drums containing soot and oily waste (rags, sorbent pads)	Drums containing soot and oily waste (rags, sorbent pads)	Schedule for proper disposal	2/14/2019	ASAP		
Cabras 1&2 Basement	Water accumulation in the basement	Water accumulation in the basement	Water accumulation in the basement	Water accumulation in the basement	Repair source of leak/monitor accumulation to prevent flooding	10/19/2018	ASAP		
Pavilion Area (Cabras 3&4 side, generator building)	Debris and soil pile near pavilion	Debris and soil pile near pavilion	Debris and soil pile near pavilion	Debris and soil pile near pavilion	Test results: pile of soil positive with oil. Schedule disposal	2/8/2013	ASAP		
	Rusted pavilion structure and roof	Rusted pavilion structure and roof	Rusted pavilion structure and roof	Rusted pavilion structure and roof	Demolish pavilion and schedule disposal.	1/18/2019	ASAP		
Cooling Water Intake	Rusted steel cover plates (possible source of high iron/metal content)	Rusted steel cover plates (possible source of high iron/metal content)	Rusted steel cover plates (possible source of high iron/metal content)	Rusted steel cover plates (possible source of high iron/metal content)	Remove rust & repaint steel plate covers	2/8/2019	ASAP		
	Metal cover near cooling water intake	Metal cover near cooling water intake	Metal cover near cooling water intake	Metal cover near cooling water intake	Secure or relocate. Remove trash/debris and clean surrounding area	4/12/2019	ASAP		

T&D SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT
MONTH OF APRIL, 2019

LEGEND OF TRACKING

	Notification Date		Completed
	Within Scheduled Remediation		Deadline is Past Due

SUBSTATIONS

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
DEDEDO SUBSTATION	Facility Area	NO CORRECTIVE ACTION						
DEDEDO SUBSTATION WAREHOUSE	Facility Area	Improper storage of oil drums	Relocate oil drums to proper storage area. Catchment is for PCB contaminated electrical equipment storage only and must not be mixed with good oil				ASAP	January 2019
	Transformer Storage Area	Storage of old transformers with PCB quantifiable mineral oil	Corrective action completed			April 2019	ASAP	January 2019
MACHECHE SUBSTATION	Secondary Containment	NO CORRECTIVE ACTION					ASAP	
TALOFOFO SUBSTATION	Facility Area	NO CORRECTIVE ACTION						
TENJO SUBSTATION	Security Fence	Tilting on the side	Fix and secure fence and gate				ASAP	December 2018
YIGO SUBSTATION	Facility Area	NO CORRECTIVE ACTION						

Generation SPCC Inspection Report

SUMMARY OF SPCC MONTHLY INSPECTION REPORT
MONTH OF APRIL, 2019

LEGEND OF TRACKING



Notification Date



Completed



Within Scheduled Remediation



Deadline is Past Due

POWER PLANT

LOCATIONS	FINDINGS		RECOMMENDATION/REMARKS	STATUS	RESPONSIBLE	COMPLETION DATE	DUE DATE	INITIAL FINDINGS DATE
CABRAS POWER PLANT	Used Oil Tank	Corroded and damaged tank shell coating	Chip corrosion and recoat				ASAP	Sept 2018
	Secondary Containment (Tanks 3&4)	Heavy vegetation in tanks 3&4	Drain water, remove vegetation and contact cleanup				ASAP	January 2019
	Tank No. 1 HSF (Cabras 1&2)	Corroded pipes and valves	Need immediate attention. Conduct repair				ASAP	August 2018
	Tank No. 4 LSF (Cabras 3 & 4)	Leaking pipe	Repair pipe				ASAP	Sept 2018
	Supply Pipeline	Pipeline crossing the outfall; Pitting corrosion at several locations	Install secondary means of containment on the pipeline				ASAP	Sept 2018
	RFO Supply Pipe Along Pipeline	Pitting corrosion	Conduct immediate repair & recoat pipeline				ASAP	January 2019
	Lube Oil Tank (Cabras 3 & 4)	Corroded lube oil pipeline	Conduct repair				ASAP	February 2018
	Cabras 3 & 4 OWS	Heavily corroded pipeline	Consider removal and disposal of inactive pipelines				ASAP	February 2018
DEDED0 CT	Tanks 1&2 Secondary Containment	Algae accumulation and dried leaves	Conduct cleanup				ASAP	February 2019

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT
MONTH OF APRIL, 2019

LEGEND OF TRACKING

Notification Date

Completed





Within Scheduled Remediation

Deadline is Past Due

POWER PLANT

MACHECHE CT	Facility Area	Corroded tank shells at T-130/140	Chip corrosion and recoat				ASAP	October 2015
		Corroded oil drums stored in drum storage area	Corrective action completed			April 2019	ASAP	February 2019
		Level gauge is not working	Fix level gauge				ASAP	April 2019
		Corroded pipeline	Chip corrosion and recoat				ASAP	April 2019
		Oil in OWS sec. containment	Remove oil and conduct cleanup				ASAP	April 2019
		Water accumulation in tanks 130 and 140 secondary containment	Drain water				ASAP	April 2019
YIGO CT	Tanks 130 and 140	Corroded tank shells	Chip corrosion & recoat tanks				ASAP	February 2019
	Secondary Containment Trench	Algae accumulation	Conduct cleanup				ASAP	November 2018
	Tank 120	Corroded drain line pipe	Chip corrosion and recoat				ASAP	April 2019
	Drums Storage Area	Corroded oil drums stored in drum storage area	Frequently monitor drums and use oil ASAP				ASAP	March 2019
		Improper storage of chemicals	Corrective action completed			April 2019	ASAP	March 2019
	Fuel Filtration Area	Oil spill in the area	Conduct cleanup				ASAP	April 2019
	Secondary Containment	Unknown liquid discharged in sec. containment	Conduct investigation to determine the source and type of fluid discharged in the containment				ASAP	April 2019
MANENGGON DIESEL	Secondary Containment	NO CORRECTIVE ACTION					ASAP	
TALOFOFO DIESEL	Facility Area	Manway emergency vent corroded	Repair/repaint				ASAP	February 2019

Generation SPCC Inspection Report (cont.)

SUMMARY OF SPCC MONTHLY INSPECTION REPORT MONTH OF APRIL, 2019							
LEGEND OF TRACKING							
		Notification Date				Completed	
		Within Scheduled Remediation				Deadline is Past Due	
POWER PLANT							
TENJO DIESEL	Facility Area	NO CORRECTIVE ACTION					
PITI #7	Main Fuel Tank, Day Tank # 1 & 2	No integrity test	Integrity testing is required			ASAP	January 2018
	Main Fuel Tank	Corrosion forming under pipes and pipe support	Chip corrosion and recoat			ASAP	October 2018
	Day Tanks 1&2	Tank vents does not have screen	Corrective action completed		4th Week - April	ASAP	March 2019
	Day Tanks 1&2	Algae accumulation in sec. containment	Corrective action completed		4th Week - April	ASAP	March 2019
	Day Tank 2	Tank manhole is corroded	Corrective action completed		4th Week - April	ASAP	March 2019
	Day Tank 2	Wires found near level gauge exposed to weathering	Corrective action completed		4th Week - April	ASAP	March 2019

PA INFORMATION TECHNOLOGY

APRIL 2019

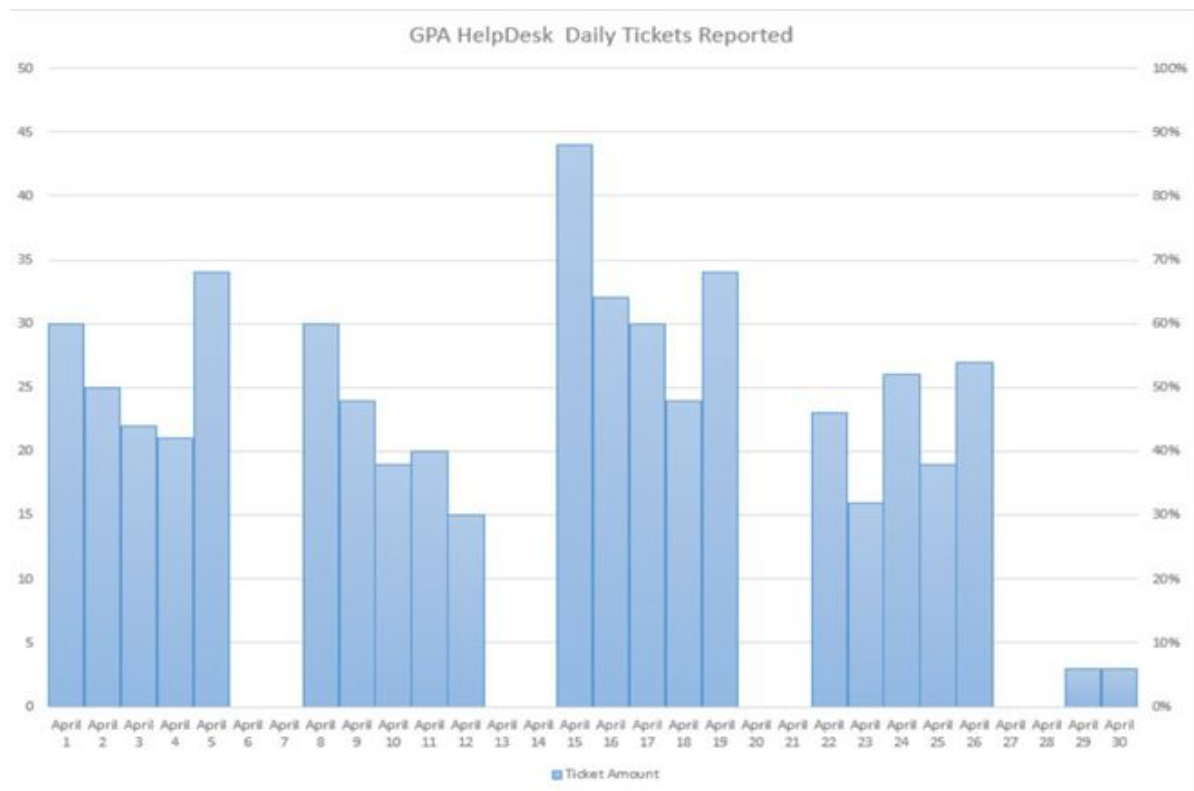
SUMMARY:

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).

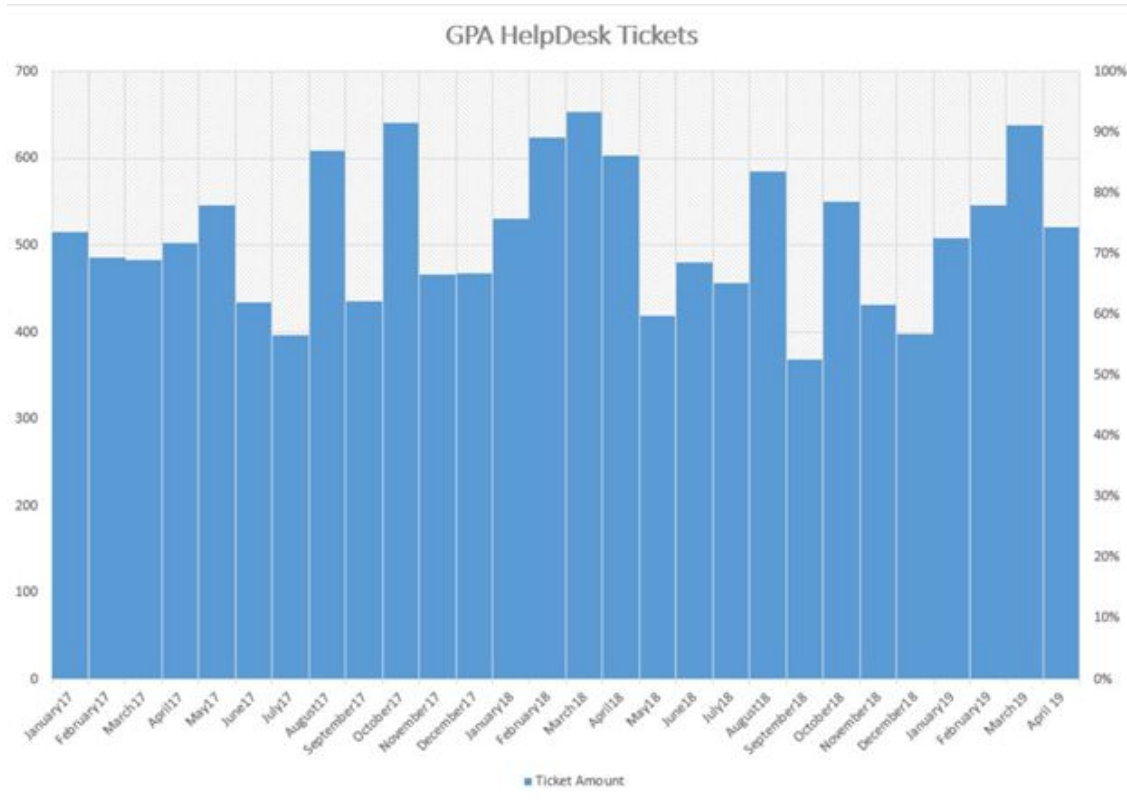
INCIDENT CALL SUMMARY:

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.

APRIL 2019 TICKETS



22 MONTH COMPARATIVE

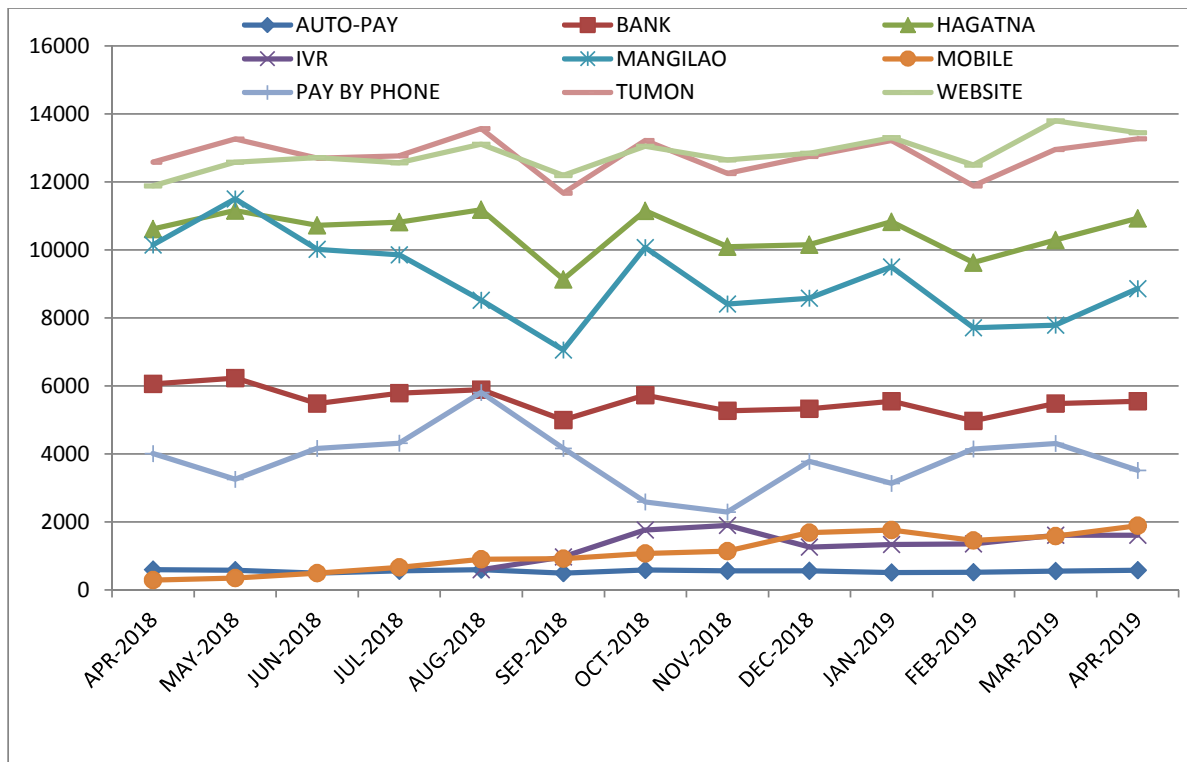


For April 2019, Computer Services responded to 530 help desk calls from GPA internal and external customers. Breakdown as follows:

CLOSED TICKETS					
Low		Medium		High	Critical
289		134		95	3
TICKET TYPES					
End User		Hardware		Software	Network
463		13		43	2
OPEN TICKETS					
Low		Medium		High	Critical
3		2		4	0
nd User		Hardware		Software	Network
9		0		0	0

CC&B PAYMENT SUMMARY TRANSACTIONS:

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



Payment Transactions by Count:

Row Labels	AUTO-PAY	BANK	HAGATNA	IVR	MANGILAO	MOBILE APP	PAY BY PHONE	TUMON	WEBSITE
APR-2018	589	6059	10609		10139	284	4006	12580	11875
MAY-2018	571	6231	11158		11493	348	3246	13262	12576
JUN-2018	493	5476	10723		10018	490	4160	12698	12712
JUL-2018	557	5787	10812		9852	661	4312	12761	12563
AUG-2018	590	5890	11178	588	8517	895	5804	13562	13102
SEP-2018	493	4995	9127	966	7050	916	4158	11668	12189
OCT-2018	582	5728	11151	1755	10067	1069	2587	13218	13047
NOV-2018	558	5266	10095	1893	8410	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	12493
MAR-2019	546	5475	10284	1608	7781	1577	4305	12948	13790
APR-2019	578	5546	10924	1608	8853	1882	3515	13267	13449
Total	7138	72292	136660	12351	117958	14150	49425	166056	166581

MAJOR APPLICATION ISSUES FOR APRIL 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)
Application is currently undergoing a system upgrade.
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 responses are being reviewed by committee members.

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.

Update: Phase 1 – Installation of Camera's and Public Announcement (PA) system is currently ongoing at the Fadian. PA System has passed initial testing.

GPWA Website Upgrades: Project to revamp GPA and GWA websites for the following, GUAMPOWERAUTHORITY.COM, PAYGPA.COM, GUAMWATERWORKS.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 PAYGPA.COM and GuamPowerAuthority.com is ongoing.

Landis & Gyr Command Center upgrade from ver. 6.5 to 7.2: Project to upgrade GPA AMI Smart Meter Program to the latest version of 7.2. This will allow new functionality for the Command Center and Smart Meter Integration. Revised completion by October 2018. Delayed due to the ongoing CC&B Database Merge project to Jan. 2019.

Update: Upgrade is scheduled for weekend of April 20. ** Upgrade was successful and all functionality is working as planned.

JDE OneWorld to E1 Upgrade: License review is currently being done for both GPA and GWA to determine software and hardware requirements. Vendor is expected to start Process Review and Scoping for the project from Dec. 10 to Dec. 21.

Update: Working on clarifying the Scope of Work

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

Top 10 Worst Circuits

NET METERING

April 2019

	<u>Quantity</u>	<u>Connected kVA</u>
Completed	1,951	21,611
Pending	1	7
Grand Total	1,952	21,619

Rate Class and Technology			
Technology	Schedule	Customer Count	Total kW
Solar Energy	R - Residential	1,846	17,290.89
	J - Gen Service Dmd	34	1,823.91
	K - Small Gov Dmd	9	317.80
	L - Large Government	2	122.80
	P - Large Power	7	640.70
	G - Gen Serv Non-Dmd	44	1,332.96
	S - Sm Gov Non-Dmd	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		1,951	21,611.45

Projection Date Ending 12/31/2019				
Customer Rate Class	Sum of Size (kW)	*Annual Projected kWh Generated	Non-Fuel Yield \$/kWh	Estimated Annual Revenue Loss
R	17,294.49	28,491,168	0.087492	\$ 2,492,750.11
J	1,823.91	3,003,796	0.125682	\$ 377,523.23
K	317.80	523,052	0.133883	\$ 70,027.73
L	122.80	205,378	0.129809	\$ 26,659.90
P	640.70	1,051,985	0.109950	\$ 115,665.83
G	1,332.96	2,222,848	0.145397	\$ 323,195.53
S	78.80	126,250	0.147902	\$ 18,672.63
Grand Total	21,611.45	35,624,478	0.087492	\$ 3,424,494.97

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

Estimated Annual Revenue Loss (prior to 2019 model changes)

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

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

NET METERING

April 2019

Customer Count and Connected kW by Feeder						
Status	Feeder	Net Metering Connected kW	Customer Count	% of Feeder Maximum kW	% of Feeder Minimum Daytime kW	
Completed	P-005	263.73	25	15.3%	30.7%	
	P-046	282.69	34	6.7%	10.2%	
	P-088	683.34	74	11.3%	18.0%	
	P-089	568.74	71	12.7%	30.6%	
	P-111	190.00	3	3.5%	6.2%	
	P-203	452.98	36	6.0%	17.2%	
	P-204	150.38	17	3.2%	6.6%	
	P-205	36.40	4	0.8%	1.3%	
	P-210	579.17	56	11.3%	15.4%	
	P-212	1,035.72	100	25.0%	64.8%	
	P-213	303.83	12	11.6%	15.6%	
	P-220	179.22	20	29.4%	92.4%	
	P-221	598.28	61	13.6%	27.1%	
	P-223	553.43	60	23.2%	33.2%	
	P-240	58.55	2	0.9%	7.9%	
	P-245	135.00	3	2.7%	5.8%	
	P-250	1,181.13	117	18.2%	31.9%	
	P-251	145.50	7	5.9%	9.0%	
	P-253	599.03	61	13.3%	21.0%	
	P-262	1,112.02	113	29.2%	70.0%	
	P-270	398.22	34	7.8%	15.8%	
	P-271	252.13	15	4.3%	9.1%	
	P-272	263.81	19	10.3%	23.4%	
	P-280	350.04	28	19.5%	36.2%	
	P-281	189.70	4	6.8%	18.9%	
	P-282	31.75	4	0.8%	2.6%	
	P-283	573.88	52	15.8%	27.2%	
	P-294	1,222.53	115	28.2%	55.9%	
	P-301	213.66	23	15.1%	26.9%	
	P-311	1,035.57	58	26.0%	44.4%	
	P-322	1,506.31	105	19.9%	39.4%	
	P-323	316.52	21	6.7%	20.8%	
	P-330	655.36	82	12.0%	24.2%	
	P-331	827.91	91	13.1%	21.2%	
	P-332	599.27	66	10.6%	15.5%	
	P-340	541.98	48	29.9%	65.8%	
	P-087	1,258.34	134	32.0%	50.2%	
	P-252	599.13	32	14.2%	29.0%	
	P-321	345.96	32	6.2%	6.9%	
	P-260	70.96	7	10.3%	35.5%	
	P-067	86.20	10	1.0%	1.3%	
	P-312	82.24	5	4.9%	5.7%	
	P-206	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	464.91	51	16.8%	28.8%	
	P-201	52.75	7	1.5%	2.6%	
	P-007	85.86	8	11.9%	25.3%	
	P-244	36.56	2	2.1%	2.1%	
	P-202	39.50	3	1.2%	2.9%	
	P-341	4.30	1	0.4%	1.6%	
	P-401	117.00	2	10.3%	17.3%	
	P-400	37.64	2	3.9%	4.0%	
	P261	10.97	1	#N/A	#N/A	
Completed Total		21,611.45	1,951			
Pending	Pending	7.31	1	0.0%	0.0%	
Pending Total		7.31	1	0.0%	0.0%	
Grand Total		21,618.76	1,952			

	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.

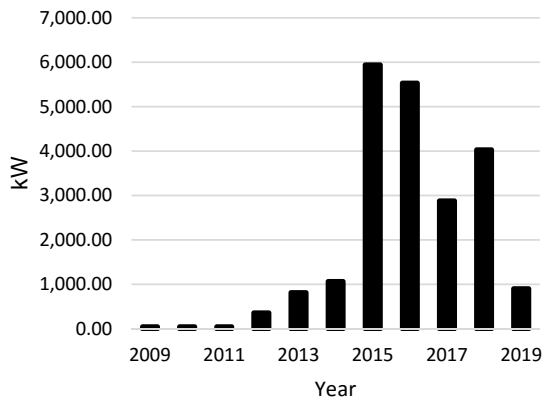
NET METERING

April 2019

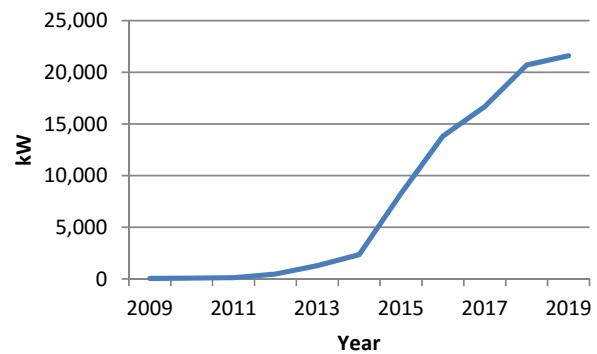
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	41.61	120.27
2012	354.61	474.88
2013	808.15	1,283.03
2014	1,060.04	2,343.07
2015	5,939.40	8,282.47
2016	5,528.78	13,811.24
2017	2,877.15	16,688.39
2018	4,025.00	20,713.39
2019	898.06	21,611.45
Grand Total	21,611.45	

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	565	767
2016	532	1,299
2017	297	1,596
2018	286	1,882
2019	69	1,951
Grand Total	1,951	

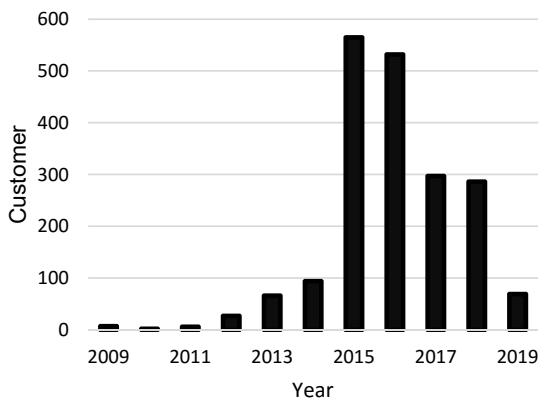
Yearly Installed kW



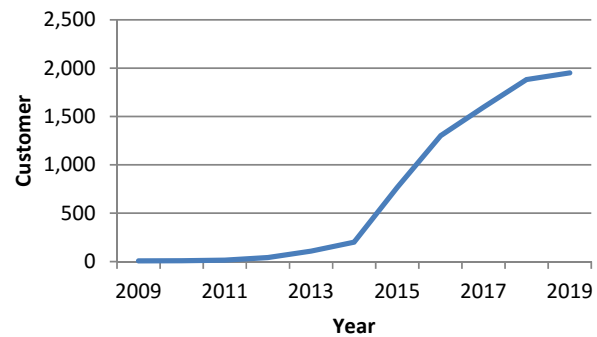
Cumulative Installed kW



Yearly Connected Customer Count



Cumulative Connected Customer Count





Production Data
30-Apr-19

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

GPA Work Session - May 23 2019 - DIVISION REPORTS

T&D Vegetation Management

Percent Completion (per Sector Feeder)

Note: Feeders priority listing based on outages due to vegetation

Northern Sector

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

Central Sector

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

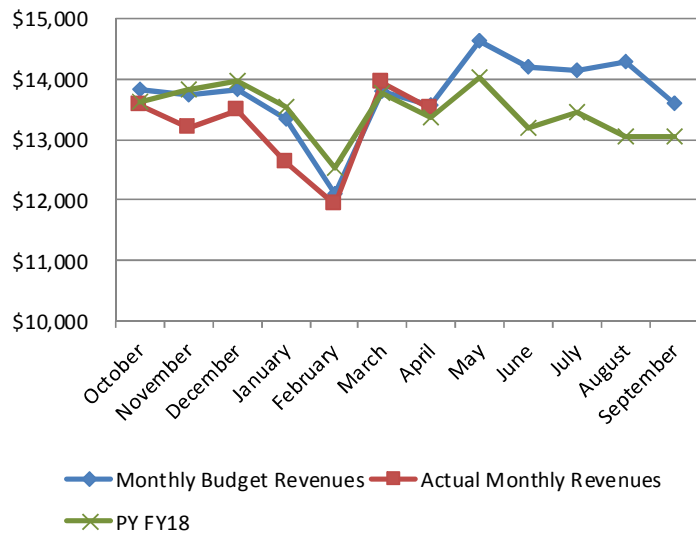
Southern Sector

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

April 2019 Monthly Financial Highlights

1

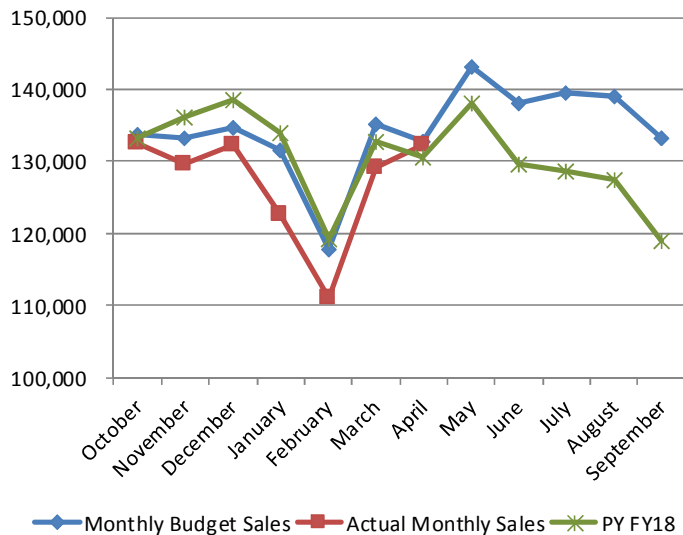
Base Rate Revenue \$000



Through April 30, 2019

	Monthly Budget Revenues \$000	Actual Monthly Revenues	Variance		PY FY18	CY vs PY Variance	
October	\$ 13,811	\$ 13,564	\$ (246)	↓	\$ 13,625	\$ (61)	↓
November	13,723	13,203	\$ (519)	↓	13,827	\$ (624)	↓
December	13,833	13,467	\$ (365)	↓	13,968	\$ (501)	↓
January	13,321	12,616	\$ (705)	↓	13,534	\$ (918)	↓
February	12,114	11,915	\$ (199)	↓	12,522	\$ (607)	↓
March	13,790	13,926	\$ 135	↑	13,776	\$ 150	↑
April	13,562	13,520	\$ (42)	↓	13,351	\$ 169	↑
May	14,630				14,011		
June	14,196				13,201		
July	14,152				13,446		
August	14,280				13,041		
September	13,590				13,041		
Total	\$ 165,002	\$ 92,212	\$ (1,941)		\$ 161,343	\$ (2,391)	

MWh Sales



Through April 30, 2019

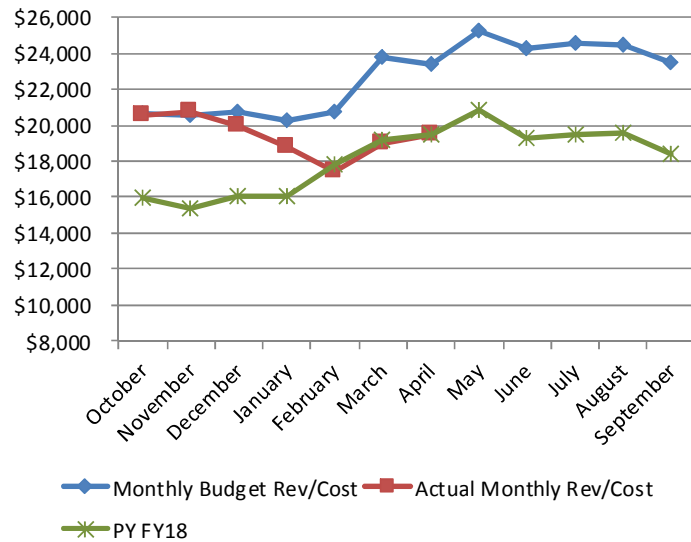
	Monthly Budget Sales gwh	Actual Monthly Sales	Variance		PY FY18	CY vs PY Variance	
October	133,797	132,489	(1,308)	↓	133,262	(773)	↓
November	133,346	129,537	(3,809)	↓	136,044	(6,506)	↓
December	134,715	132,190	(2,525)	↓	138,587	(6,397)	↓
January	131,547	122,590	(8,958)	↓	133,882	(11,292)	↓
February	117,775	111,159	(6,616)	↓	119,241	(8,082)	↓
March	135,196	129,170	(6,026)	↓	132,693	(3,523)	↓
April	132,763	132,396	(367)	↓	130,565	1,830	↑
May	143,236				138,085		
June	138,016				129,728		
July	139,434				128,681		
August	139,030				127,348		
September	133,149				118,935		
Total	1,612,003	889,531	(29,608)		1,567,052	(34,745)	



April 2019 Monthly Financial Highlights (Continued)

2

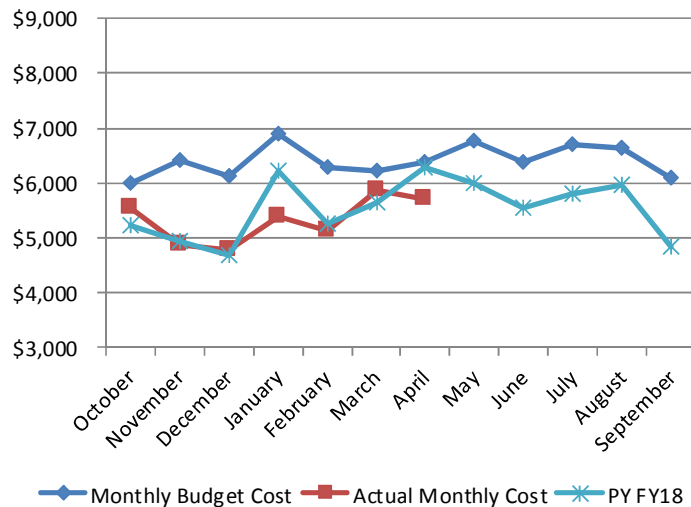
Fuel Revenue/ Cost \$000



Through April 30, 2019

	Monthly Budget Rev/Cost \$000	Actual Monthly Rev/Cost	Variance		PY FY18	CY vs PY Variance	
October	\$ 20,637	\$ 20,550	\$ (87)	↓	\$ 15,936	\$ 4,615	↑
November	20,568	20,711	\$ 143	↑	15,400	\$ 5,310	↑
December	20,779	19,969	\$ (810)	↓	16,007	\$ 3,961	↑
January	20,290	18,822	\$ (1,468)	↓	16,036	\$ 2,785	↑
February	20,718	17,368	\$ (3,350)	↓	17,763	\$ (395)	↓
March	23,783	19,017	\$ (4,765)	↓	19,180	\$ (163)	↓
April	23,354	19,442	(3,912)	↓	19,441	\$ 2	↑
May	25,197				20,854		
June	24,279				19,252		
July	24,528				19,457		
August	24,457				19,608		
September	23,422				18,390		
Total	\$ 272,011	\$ 135,879	\$ (14,250)		\$ 217,324	\$ 16,115	

O&M Cost \$000



Through April 30, 2019

	Monthly Budget Cost \$000	Actual Monthly Cost	Variance		PY FY18	CY vs PY Variance	
October	\$ 5,986	5,551	435	↑	5,239	(312)	↓
November	6,419	4,875	1,544	↑	4,941	66	↑
December	6,119	4,762	1,358	↑	4,694	(68)	↓
January	6,882	5,399	1,483	↑	6,204	805	↑
February	6,291	5,114	1,177	↑	5,252	138	↑
March	6,231	5,869	362	↑	5,638	(231)	↓
April	6,374	5,704	670	↑	6,269	565	↑
May	6,753				6,005		
June	6,373				5,558		
July	6,710				5,797		
August	6,648				5,961		
September	6,079				4,836		
Total	\$ 76,866	\$ 37,274	\$ 7,029		\$ 66,394	\$ 963	



April 2019 Monthly Financial Highlights (Continued)

3

Through April 30, 2019

	2Q2018	3Q2018	4Q2018	1Q2019	2Q2019	3Q2019
Residential	44,065	44,074	43,887	43,920	44,144	44,200
Commercial	5,262	5,278	5,261	5,273	5,291	5,290
Government	1,086	1,092	1,077	1,090	1,074	1,070
Streetlights	1,005	1,091	1,152	1,151	1,152	1,143
Navy	1	1	1	1	1	1
	51,419	51,536	51,378	51,435	51,662	51,704

Debt service coverage (DSC) calculation-indenture	2013	2014	2015	2016	2017	2018	YTD Apr 2019
Senior lien coverage	3.36	3.16	3.62	3.28	2.65	2.68	1.95
Aggregate debt service coverage	1.88	1.98	2.62	3.28	2.65	2.68	1.95
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.16	2.55	2.56	2.45	1.79	1.80	1.52
Aggregate debt service coverage	1.21	1.41	1.85	2.45	1.79	1.80	1.52





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 March 2019

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

Summary

The increase in net assets for the month ended was \$2.4 million as compared to the anticipated net increase of \$0.9 million projected at the beginning of the year. The total kWh sales for the month were 4.46% less than projected and non-fuel revenues were \$0.1 million less than the estimated amount. O & M expenses for the month were \$5.8 million which was \$0.5 million less than our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$3.0 million, which was \$0.5 less than the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	2.50	2.15	2
Days in Receivables	38	40	52
Days in Payables	13	29	30
LEAC (Over)/Under Recovery Balance -YTD	\$13,051,523	\$13,690,676	\$14,168,138
T&D Losses	5.32%	5.43%	<7.00%
Debt Service Coverage	1.40	1.48	1.75
Long-term equity ratio	19%	19%	30 – 40%
Days in Cash	181	205	60

The Quick Ratio has been a challenge for GPA historically. However, over the last two fiscal years, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately \$85 million and approximately \$182 million in cash and current receivables. The LEAC under recovery for the month is \$0.6 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

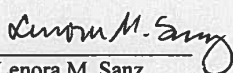
Financial Statements
March 2019

Significant Assumptions

The significant assumptions in the financial statements are as follows:

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

Prepared by:



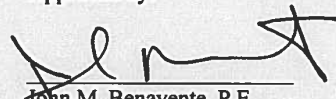
Lenora M. Sanz
Controller

Reviewed by:



John J.E. Kim
Chief Financial Officer

Approved by:



John M. Benavente, P.E.
General Manager

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Net Position March 31, 2019 and September 30, 2018			
	Unaudited March 2019	Unaudited September 2018	Change from Sept 30 2018
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	\$ 24,467,498	\$ 17,997,927	\$ 6,469,571
Bond indenture funds	32,164,314	49,970,719	(17,806,405)
Held by Guam Power Authority:			
Bond indenture funds	139,679,746	142,583,470	(2,903,724)
Self insurance fund-restricted	19,275,733	19,258,353	17,380
Energy sense fund	329,863	1,085,472	(755,609)
Total cash and cash equivalents	215,917,154	230,895,941	(14,978,787)
Accounts receivable, net	43,097,718	37,746,060	5,351,658
Total current receivables	43,097,718	37,746,060	5,351,658
Materials and supplies inventory	11,252,146	12,695,441	(1,443,295)
Fuel inventory	52,156,347	67,993,103	(15,836,756)
Prepaid expenses	4,440,069	979,828	3,460,241
Total current assets	326,863,434	350,310,373	(23,446,939)
Utility plant, at cost:			
Electric plant in service	1,065,311,648	1,063,192,955	2,118,693
Construction work in progress	43,403,665	28,495,325	14,908,340
Total	1,108,715,313	1,091,688,280	17,027,033
Less: Accumulated depreciation	(616,321,009)	(598,792,653)	(17,528,356)
Total utility plant	492,394,304	492,895,627	(501,323)
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,551,503	48,600,660	(49,157)
Unamortized debt issuance costs	2,362,304	2,503,448	(141,144)
Total other non-current assets	50,913,807	51,104,108	(190,301)
Total assets	870,171,545	894,310,108	(24,138,563)
Deferred outflow of resources:			
Deferred fuel revenue	13,690,676	8,370,542	5,320,134
Unamortized loss on debt refunding	25,913,370	27,093,636	(1,180,266)
Pension	8,698,853	8,698,853	0
Unamortized forward delivery contract costs	398,318	477,998	(79,680)
Total deferred outflows of resources	48,701,217	44,641,029	4,060,188
	\$ 918,872,762	\$ 938,951,137	\$ (20,078,375)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Net Position, Continued March 31, 2019 and September 30, 2018			
	Unaudited March 2019	Unaudited September 2018	Change from Sept 30 2018
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	\$ 16,130,000	\$ 1,630,000	\$ 14,500,000
Current obligations under capital leases	7,546,290	13,469,594	(5,923,304)
Accounts payable			
Operations	33,247,523	47,870,908	(14,623,385)
Others	475,289	259,708	215,581
Accrued payroll and employees' benefits	2,136,226	1,949,080	187,146
Current portion of employees' annual leave	2,295,321	2,101,168	194,153
Interest payable	14,583,535	14,660,598	(77,063)
Customer deposits	8,221,858	8,142,519	79,339
Total current liabilities	84,636,042	90,083,575	(5,447,533)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	19,345,291	0
Long term debt, net of current maturities	586,823,212	604,881,434	(18,058,222)
Obligations under capital leases, net of current portion	7,472,392	11,228,765	(3,756,373)
Net Pension liability	79,588,268	81,468,099	(1,879,831)
DCRS sick leave liability	4,008,397	4,008,397	0
Employees' annual leave net of current portion	1,086,456	1,086,456	0
Customer advances for construction	396,505	385,293	11,212
Total liabilities	783,356,563	812,487,310	(29,130,747)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	1,460,044	1,752,053	(292,009)
Pension	788,894	788,894	0
Total deferred inflows of resources	2,248,938	2,540,947	(292,009)
Commitments and contingencies			
Net Position:			
Net investment in capital assets	(45,258,277)	(40,128,079)	(5,130,198)
Restricted	56,374,167	47,856,103	8,518,064
Unrestricted	122,151,370	116,194,856	5,956,515
Total net position	133,267,260	123,922,880	9,344,380
	\$ 918,872,762	\$ 938,951,137	\$ (20,078,375)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Revenues, Expenses and Changes in Net Assets						
	March 31		% of change Inc (dec)	Six Months Ending March 31		% of change Inc (dec)
	Unaudited 2019	Unaudited 2018		Unaudited 2019	Unaudited 2018	
Revenues						
Sales of electricity	\$ 32,942,764	\$ 32,955,817	(0)	\$ 195,127,912	\$ 181,574,210	7
Miscellaneous	133,765	179,601	(26)	2,176,642	1,091,173	99
Total	33,076,529	33,135,418	(0)	197,304,554	182,665,383	8
Bad debt expense	(91,500)	(83,583)	9	(549,000)	(501,498)	9
Total revenues	32,985,029	33,051,835	(0)	196,755,554	182,163,885	8
Operating and maintenance expenses						
Production fuel	19,017,131	19,185,808	(1)	116,436,319	100,328,043	16
Other production	1,373,749	1,497,918	(8)	7,452,423	7,859,867	(5)
	20,390,880	20,683,726	(1)	123,888,742	108,187,910	15
Depreciation	3,010,419	3,118,612	(3)	18,874,664	19,251,602	(2)
Energy conversion cost	965,261	1,401,419	(31)	7,850,734	9,122,705	(14)
Transmission & distribution	1,104,822	1,093,678	1	5,513,447	6,481,322	(15)
Customer accounting	479,928	472,792	2	2,642,472	2,538,810	4
Administrative & general	2,818,871	2,489,968	13	15,412,900	14,586,319	6
Total operating and maintenance expenses	28,770,181	29,260,195	(2)	174,182,959	160,168,668	9
Operating income	4,214,848	3,791,640	11	22,572,595	21,995,217	3
Other income (expenses)						
Interest income	699,259	(233,221)	(400)	2,390,436	1,227,079	95
Interest expense and amortization	(2,438,409)	(2,664,468)	(8)	(14,480,655)	(16,146,953)	(10)
Bond issuance costs	88,022	61,350	43	527,132	(2,114,057)	(125)
Bid bond forfeiture	0	0	0	(1,245,000)	0	
Allowance for funds used during construction	0	198,949	(100)	0	1,416,507	(100)
Losses due to typhoon	(324,817)	(5,037)		(609,915)	(197,299)	
Other expense	(4,291)	(4,291)	0	(25,746)	(25,746)	0
Total other income (expenses)	(1,980,236)	(2,646,718)	(25)	(13,443,748)	(15,840,469)	(15)
Income (loss) before capital contributions	2,234,612	1,144,922	95	9,128,847	6,154,748	48
Capital contributions	186,700	3,778	0	215,537	78,680	0
Increase (decrease) in net assets	2,421,312	1,148,700	111	9,344,384	6,233,428	50
Total net assets at beginning of period (restated)	130,845,952	115,261,285	0	123,922,880	110,176,557	12
Total net assets at end of period	\$ 133,267,264	\$ 116,409,985	14	\$ 133,267,264	\$ 116,409,985	14

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

	Month Ended 3/31/2019	YTD Ended 3/31/2019
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	\$ 31,528,114	\$ 191,469,611
Cash payments to suppliers and employees for goods and services	<u>11,823,609</u>	<u>162,178,958</u>
Net cash provided by operating activities	19,704,505	29,290,653
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	<u>699,259</u>	<u>2,390,436</u>
Net cash provided by investing activities	699,259	2,390,436
Cash flows from non-capital financing activities		
Interest paid on short term debt	(5,844)	(38,490)
Provision for self insurance funds	<u>(15,619)</u>	<u>(17,380)</u>
Net cash provided by noncapital financing activities	(21,463)	(55,870)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(496,675)	(18,373,342)
Principal paid on bonds and other long-term debt	-	(1,630,000)
Interest paid on bonds(net of capitalized interest)	-	(14,052,875)
Interest paid on capital lease obligations	(102,742)	(466,354)
Interest & principal funds held by trustee	(3,968,700)	(6,469,571)
Reserve funds held by trustee	(38,108)	49,157
Bond funds held by trustee	4,222,341	17,806,405
Principal payment on capital lease obligations	(628,858)	(9,679,677)
Grant from DOI/FEMA	186,700	215,537
Debt issuance costs/loss on defeasance	(321,537)	(1,928,222)
Net cash provided by (used in) capital and related financing activities	<u>(1,147,579)</u>	<u>(34,528,943)</u>
Net (decrease) increase in cash and cash equivalents	19,234,722	(2,903,723)
Cash and cash equivalents, beginning	<u>120,445,024</u>	<u>142,583,470</u>
Cash and cash equivalents-Funds held by GPA, March 31, 2019	<u>\$ 139,679,746</u>	<u>\$ 139,679,746</u>

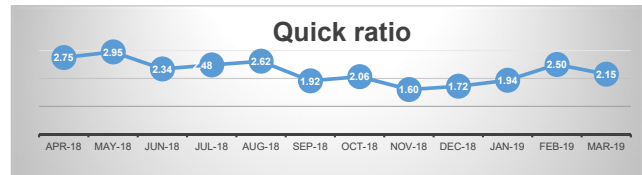
GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows, continued
Period Ended March 31, 2019

	Month Ended 3/31/2019	YTD Ended 3/31/2019
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	\$ 4,214,848	\$ 22,572,595
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	3,010,419	18,874,664
Other expense	(241,086)	(1,353,529)
(Increase) decrease in assets:		
Accounts receivable	(1,472,001)	(5,351,658)
Materials and inventory	(133,356)	1,443,295
Fuel inventory	(3,382,800)	15,836,756
Prepaid expenses	447,944	(3,460,241)
Unamortized debt issuance cost	23,524	141,144
Deferred fuel revenue	(639,153)	(5,320,134)
Unamortized loss on debt refunding	196,711	1,180,266
Unamortized forward delivery contract costs	13,280	79,680
Increase (decrease) in liabilities:		
Accounts payable-operations	17,729,882	(14,623,385)
Accounts payable-others	(67,377)	971,190
Accrued payroll and employees' benefits	352,160	187,146
Net pension liability	(422,179)	(1,879,831)
Employees' annual leave	10,011	194,153
Customers deposits	111,339	79,339
Customer advances for construction	1,008	11,212
Unearned forward delivery contract revenue	(48,669)	(292,009)
Net cash provided by operating activities	\$ 19,704,505	\$ 29,290,653

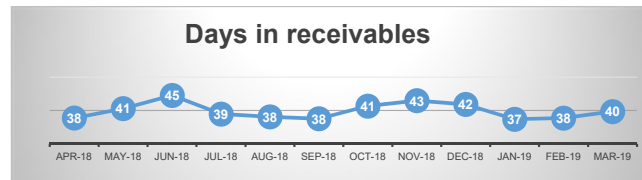
**Guam Power Authority
Financial Analysis
03/31/19**

Quick Ratio

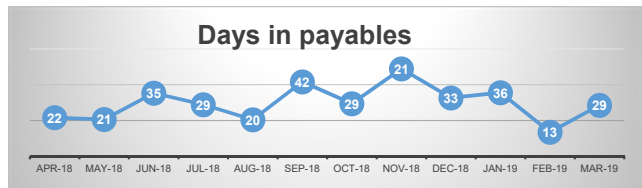
A	Reserve Funds Held by GPA	139,679,746
B	Current Accounts Receivable	42,628,603
C	Total Cash and A/R (A+B)	182,308,349
D	Total Current Liabilities	84,636,042
E	Quick Ratio (F/G)	2.15

**Days in Receivables**

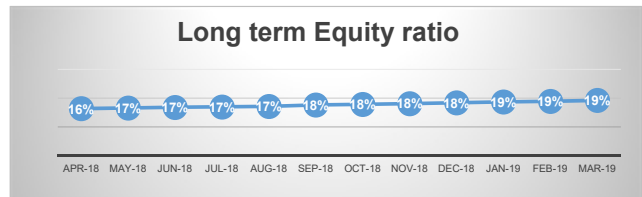
A	FY 18 Moving 12 Mos.-Actual	391,882,574
B	No. of Days	365
C	Average Revenues per day (A/B)	1,073,651
D	Current Accounts Receivable	42,628,603
E	Days in Receivables (D/C)	40

**Days in Payables**

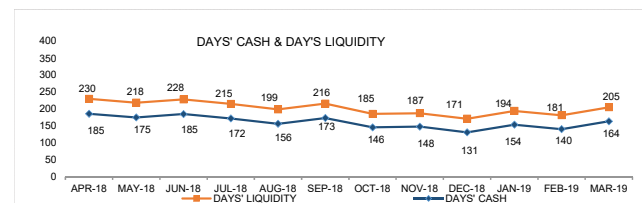
A	FY 18 Moving 12 Months-Actual	431,170,252
B	No. of Days	365
C	Average Payables per day (A/B)	1,181,288
D	Current Accounts Payables	33,722,812
E	Days in Payables (D/C)	29

**Long term equity ratio**

A	Equity	\$ 133,267,260.00
B	Total Long term Liability	\$ 559,536,427.87
C	Total Equity and liability	\$ 692,803,687.87
D	Long term equity ratio (A/C)	19%

**Days cash on hand**

A	Unrestricted cash & cash equivalents	139,680
B	No. of Days -YTD	182
C	A x B	25,421,714
D	Total Operating expenses excluding depreciation	155,308
E	Days cash on hand	164

**Days' Liquidity**

A	Unrestricted cash , cash equivalents & revolving Cre	174,680
B	No. of Days -YTD	182
C	A x B	31,791,714
D	Total Operating expenses excluding depreciation	155,308
E	Days liquidity	205

GPA 302 15-Apr-19		GUAM POWER AUTHORITY ACCRUED REVENUE MARCH 2019			
		FOR THE MONTH ENDED MARCH		SIX MONTHS ENDED MARCH	
		2019	2018	2019	2018
KWH SALES:					
Residential		40,399,698	41,541,824	235,179,280	248,796,200
Small Gen. Non Demand		6,549,399	6,976,607	38,595,735	41,058,895
Small Gen. Demand		15,250,813	15,917,309	89,704,214	93,074,431
Large General		24,793,966	26,155,199	148,562,189	156,408,481
Independent Power Producer		34,407	28,536	191,302	310,730
Private St. Lights		32,171	32,791	198,731	201,578
	Sub-total	87,060,454	90,652,265	512,431,451	539,850,315
Government Service:					
Small Non Demand		1,192,582	1,193,794	6,825,715	7,340,385
Small Demand		8,144,760	7,889,205	47,056,972	47,815,506
Large		5,983,823	6,226,210	35,483,735	38,228,791
Street Lighting		710,856	743,499	4,380,907	4,308,590
	Sub-total	16,032,021	16,052,709	93,747,329	97,693,272
	Total	103,092,475	106,704,974	606,178,780	637,543,587
U. S. Navy		26,077,843	25,988,485	150,956,093	156,166,216
	GRAND TOTAL	129,170,318	132,693,459	757,134,873	793,709,803
REVENUE:					
Residential		\$ 10,171,326	\$ 10,154,660	\$ 59,003,689	\$ 56,194,689
Small Gen. Non Demand		\$ 1,927,366	\$ 1,988,097	\$ 11,308,215	\$ 10,947,044
Small Gen. Demand		\$ 4,237,399	\$ 4,266,730	\$ 24,714,692	\$ 23,214,676
Large General		\$ 6,456,767	\$ 6,565,683	\$ 38,370,257	\$ 36,077,615
Independent Power Producer		\$ 9,896	\$ 7,406	\$ 54,255	\$ 70,450
Private St. Lights		\$ 25,651	\$ 25,785	\$ 155,617	\$ 152,925
	Sub-total	\$ 22,828,405	\$ 23,008,362	\$ 133,606,726	\$ 126,657,399
Government Service:					
Small Non Demand		\$ 364,404	\$ 356,541	\$ 2,080,773	\$ 2,033,559
Small Demand		\$ 2,363,416	\$ 2,224,973	\$ 13,549,583	\$ 12,493,608
Large		\$ 1,668,683	\$ 1,707,269	\$ 9,845,611	\$ 9,644,575
Street Lighting		\$ 472,435	\$ 455,729	\$ 2,900,016	\$ 2,604,959
	Sub-total	\$ 4,868,938	\$ 4,744,512	\$ 28,375,983	\$ 26,776,701
	Total	\$ 27,697,343	\$ 27,752,874	\$ 161,982,709	\$ 153,434,100
U. S. Navy		\$ 5,245,421	\$ 5,202,943	\$ 33,145,202	\$ 28,140,109
	GRAND TOTAL	\$ 32,942,764	\$ 32,955,817	\$ 195,127,911	\$ 181,574,210
NUMBER OF CUSTOMERS:					
Residential		44,144	44,065	44,027	44,004
Small Gen. Non Demand		4,183	4,154	4,177	4,141
Small Gen. Demand		985	987	985	984
Large General		121	119	119	118
Independent Power Producer		2	2	2	3
Private St. Lights		523	526	523	528
	Sub-total	49,958	49,853	49,833	49,777
Government Service:					
Small Non Demand		675	689	678	682
Small Demand		357	350	352	351
Large		42	47	43	47
Street Lighting		629	479	628	404
	Sub-total	1,703	1,565	1,701	1,484
	Total	51,661	51,418	51,534	51,261
US Navy		1	1	1	1
		51,662	51,419	51,535	51,262

GPA Work Session - May 23 2019 - DIVISION REPORTS

GPA403 15-Apr-19		GUAM POWER AUTHORITY ACCRUED REVENUE												
	TWELVE MONTHS ENDED	MARCH 2019	FEBRUARY 2019	JANUARY 2019	DECEMBER 2018	NOVEMBER 2018	OCTOBER 2018	SEPTEMBER 2018	AUGUST 2018	JULY 2018	JUNE 2018	MAY 2018	APRIL 2018	
KWH SALES:														
Residential	481,729,829	40,399,698	33,484,048	36,661,215	41,291,151	41,148,899	42,194,270	37,207,511	39,748,314	41,361,122	42,056,621	44,782,019	41,394,961	
Small General Non Demand	78,956,444	6,549,399	5,421,847	6,252,665	6,871,789	6,712,433	6,787,602	6,128,698	6,737,467	6,743,157	6,840,318	7,216,684	6,694,385	
Small General Demand	181,234,936	15,250,813	13,414,678	14,926,054	15,425,672	15,054,686	15,632,311	14,018,162	15,283,605	15,161,689	15,360,000	16,316,998	15,390,268	
Large General	299,521,957	24,793,966	22,118,423	24,846,497	25,790,483	26,074,017	24,938,803	23,573,240	24,724,982	25,339,577	25,263,128	26,377,222	25,681,619	
Private Outdoor Lighting	400,209	32,171	32,766	32,878	33,401	33,984	33,531	34,933	33,511	34,288	37,088	34,126	27,531	
Independent Power Producer	360,287	34,407	25,891	36,117	28,494	35,867	30,526	29,708	30,251	30,088	25,238	26,295	27,405	
Sub-Total	1,042,203,661	87,060,454	74,497,653	82,755,426	89,440,990	89,059,886	89,617,042	80,992,253	86,558,130	88,669,920	89,582,394	94,753,344	89,216,169	
Government Service:														
Small Non Demand	13,812,314	1,192,582	1,019,279	1,066,520	1,218,540	1,096,422	1,232,371	1,089,787	1,205,730	1,128,046	1,157,839	1,224,286	1,180,911	
Small Demand	92,187,403	8,144,760	7,207,579	7,752,635	8,107,721	7,758,614	8,085,662	7,082,161	7,641,330	7,182,975	7,404,715	8,098,401	7,720,850	
Large	71,905,251	5,983,823	5,273,740	5,782,397	6,098,140	5,989,384	6,356,251	5,873,776	6,179,381	5,707,305	5,896,149	6,622,597	6,142,309	
Street Lighting (Agencies)	9,118,535	710,856	791,792	714,935	805,684	744,605	613,035	734,966	842,364	903,135	795,661	761,901	699,601	
Sub-Total	187,023,504	16,032,021	14,292,390	15,316,487	16,230,084	15,589,026	16,287,319	14,780,690	15,868,805	14,921,461	15,254,364	16,707,185	15,743,671	
Total	1,229,227,165	103,092,475	88,790,044	98,071,914	105,671,074	104,648,912	105,904,361	95,772,942	102,426,935	103,591,381	104,836,757	111,460,529	104,959,840	
U.S. Navy	301,250,049	26,077,843	22,368,909	24,517,651	26,518,827	24,888,490	26,584,373	23,161,867	24,921,140	25,089,942	24,891,007	26,624,376	25,605,624	
Grand Total	1,530,477,214	129,170,318	111,158,952	122,589,564	132,189,902	129,537,402	132,488,734	118,934,809	127,348,076	128,681,323	129,727,764	138,084,906	130,565,464	
REVENUE:														
Residential	\$ 120,632,431	\$ 10,171,326	\$ 8,491,117	\$ 9,109,499	\$ 10,347,514	\$ 10,286,420	\$ 10,597,812	\$ 9,335,975	\$ 9,971,178	\$ 10,379,963	\$ 10,487,819	\$ 11,371,498	\$ 10,082,308	
Small General Non Demand	\$ 23,040,011	\$ 1,927,366	\$ 1,599,494	\$ 1,844,100	\$ 2,002,603	\$ 1,938,660	\$ 1,995,993	\$ 1,793,407	\$ 1,962,561	\$ 1,975,429	\$ 1,969,294	\$ 2,127,563	\$ 1,903,541	
Small General Demand	\$ 49,753,966	\$ 4,237,399	\$ 3,714,204	\$ 4,135,462	\$ 4,234,344	\$ 4,091,967	\$ 4,301,317	\$ 3,892,588	\$ 4,192,538	\$ 4,181,623	\$ 4,150,658	\$ 4,513,787	\$ 4,108,079	
Large General	\$ 77,211,703	\$ 6,456,767	\$ 5,778,637	\$ 6,433,966	\$ 6,618,506	\$ 6,715,109	\$ 6,367,272	\$ 6,170,948	\$ 6,427,049	\$ 6,510,707	\$ 6,533,909	\$ 6,798,955	\$ 6,399,879	
Private Outdoor Lighting	\$ 311,731	\$ 25,651	\$ 25,784	\$ 26,100	\$ 25,860	\$ 26,021	\$ 26,201	\$ 26,392	\$ 26,189	\$ 26,302	\$ 27,542	\$ 26,776	\$ 22,912	
Independent Power Producer	\$ 100,916	\$ 9,896	\$ 7,681	\$ 10,117	\$ 7,355	\$ 10,699	\$ 8,507	\$ 8,392	\$ 7,924	\$ 9,619	\$ 6,601	\$ 7,068	\$ 7,057	
Sub-Total	\$ 271,050,758	\$ 22,828,405	\$ 19,616,918	\$ 21,559,243	\$ 23,236,182	\$ 23,068,875	\$ 23,297,103	\$ 21,227,703	\$ 22,587,439	\$ 23,083,643	\$ 23,175,823	\$ 24,845,648	\$ 22,523,776	
Government Service:														
Small Non Demand	\$ 4,205,104	\$ 364,404	\$ 311,171	\$ 328,284	\$ 373,332	\$ 335,403	\$ 368,179	\$ 335,723	\$ 366,623	\$ 343,795	\$ 354,533	\$ 372,707	\$ 350,949	
Small Demand	\$ 26,596,235	\$ 2,363,416	\$ 2,065,940	\$ 2,248,023	\$ 2,372,119	\$ 2,230,742	\$ 2,269,343	\$ 2,104,471	\$ 2,213,718	\$ 2,081,391	\$ 2,159,463	\$ 2,323,025	\$ 2,164,585	
Large	\$ 20,053,646	\$ 1,668,683	\$ 1,492,275	\$ 1,614,932	\$ 1,688,786	\$ 1,646,650	\$ 1,734,285	\$ 1,680,530	\$ 1,733,549	\$ 1,609,173	\$ 1,667,786	\$ 1,840,797	\$ 1,676,200	
Street Lighting (Agencies)	\$ 5,852,540	\$ 472,435	\$ 488,836	\$ 465,560	\$ 498,967	\$ 479,197	\$ 495,021	\$ 477,638	\$ 499,032	\$ 568,447	\$ 477,183	\$ 477,272	\$ 452,952	
Sub-Total	\$ 56,707,525	\$ 4,868,938	\$ 4,358,222	\$ 4,656,799	\$ 4,933,204	\$ 4,691,993	\$ 4,866,827	\$ 4,598,362	\$ 4,812,921	\$ 4,602,806	\$ 4,658,965	\$ 5,013,801	\$ 4,644,687	
Total	\$ 327,758,282	\$ 27,697,343	\$ 23,975,139	\$ 26,216,042	\$ 28,169,387	\$ 27,760,868	\$ 28,163,930	\$ 25,826,065	\$ 27,400,361	\$ 27,686,449	\$ 27,834,788	\$ 29,859,448	\$ 27,168,463	
U.S. Navy	\$ 64,124,291	\$ 5,245,421	\$ 5,307,473	\$ 5,221,857	\$ 5,266,617	\$ 6,152,798	\$ 5,951,036	\$ 5,271,574	\$ 5,243,314	\$ 5,217,194	\$ 4,618,042	\$ 5,005,555	\$ 5,623,411	
Grand Total	\$ 391,882,574	\$ 32,942,764	\$ 29,282,613	\$ 31,437,899	\$ 33,436,004	\$ 33,913,666	\$ 34,114,966	\$ 31,097,639	\$ 32,643,674	\$ 32,903,643	\$ 32,452,830	\$ 34,865,003	\$ 32,791,874	
NUMBER OF CUSTOMERS:														
Residential	44,017	44,144	44,018	44,091	43,920	43,876	44,112	43,887	44,005	44,003	44,074	44,086	43,991	
Small General Non Demand	4,176	4,183	4,173	4,180	4,166	4,176	4,183	4,159	4,185	4,183	4,173	4,172	4,183	
Small General Demand	985	985	984	986	987	981	984	982	984	982	984	988	988	
Large General	119	121	119	119	118	119	117	118	118	119	119	119	119	
Private Outdoor Lighting	527	523	521	522	523	524	527	525	525	531	532	533	536	
Independent Power Producer	3	2	2	2	3	3	2	3	3	3	3	4	4	
Sub-Total	49,827	49,958	49,817	49,900	49,717	49,679	49,925	49,674	49,820	49,821	49,885	49,902	49,821	
Government Service:														
Small Non Demand	683	675	678	679	683	667	686	677	683	690	694	691	692	
Small Demand	352	357	357	356	360	327	352	353	354	351	351	350	350	
Large	45	42	42	42	47	38	47	47	47	47	47	47	47	
Street Lighting (Agencies)	602	629	628	628	628	628	629	627	614	612	559	526	513	
Sub-Total	1,681	1,703	1,705	1,705	1,718	1,660	1,714	1,704	1,698	1,700	1,651	1,614	1,602	
Total	51,508	51,661	51,522	51,605	51,435	51,339	51,639	51,378	51,518	51,521	51,536	51,516	51,423	
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1	
Grand Total	51,509	51,662	51,523	51,606	51,436	51,340	51,640	51,379	51,519	51,522	51,537	51,517	51,424	

GPA Work Session - May 23 2019 - DIVISION REPORTS

GPA303

**GUAM POWER AUTHORITY
ACCURED REVENUE
MARCH 2019**

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE		BASE RATE REVENUE		AVERAGE PER CUSTOMER		NON-FUEL		0.154242 FUEL	
			AMOUNT	C/KWH	C/KWH	AMOUNT	KWH	REVENUE	C/KWH	AMOUNT	C/KWH	AMOUNT
Month												
R Residential	44,144	40,399,698	\$ 10,171,326	\$ 25.18	\$ 25.18	\$ 10,171,326	915	\$ 230	\$ 9.75	\$ 3,939,996	\$ 15.42	\$ 6,231,330
G Small Gen. Non Demand	4,183	6,549,399	\$ 1,927,366	\$ 29.43	\$ 29.43	\$ 1,927,366	1,566	\$ 461	\$ 14.00	\$ 917,173	\$ 15.42	\$ 1,010,192
J Small Gen. Demand	985	15,250,813	\$ 4,237,399	\$ 27.78	\$ 27.78	\$ 4,237,399	15,483	\$ 4,302	\$ 12.37	\$ 1,886,118	\$ 15.42	\$ 2,351,282
P Large General	121	24,793,966	\$ 6,456,767	\$ 26.04	\$ 26.04	\$ 6,456,767	204,909	\$ 53,362	\$ 10.68	\$ 2,649,119	\$ 15.36	\$ 3,807,648
I Independent PowerProducer	2	34,407	\$ 9,896	\$ 28.76	\$ 28.76	\$ 9,896	17,204	\$ 4,948	\$ 13.89	\$ 4,780	\$ 14.87	\$ 5,116
H Private St. Lights	523	32,171	\$ 25,651	\$ 79.73	\$ 79.73	\$ 25,651	62	\$ 49	\$ 64.31	\$ 20,689	\$ 15.42	\$ 4,962
Sub-Total	49,958	87,060,454	\$ 22,828,405	\$ 26.22	\$ 26.22	\$ 22,828,405	1,743	\$ 457	\$ 10.82	\$ 9,417,875	\$ 15.40	\$ 13,410,530
Government Service:												
S Small Non Demand	675	1,192,582	\$ 364,404	\$ 30.56	\$ 30.56	\$ 364,404	1,767	\$ 540	\$ 15.13	\$ 180,458	\$ 15.42	\$ 183,946
K Small Demand	357	8,144,760	\$ 2,363,416	\$ 29.02	\$ 29.02	\$ 2,363,416	22,814	\$ 6,620	\$ 13.59	\$ 1,107,152	\$ 15.42	\$ 1,256,264
L Large	42	5,983,823	\$ 1,668,683	\$ 27.89	\$ 27.89	\$ 1,668,683	142,472	\$ 39,731	\$ 12.64	\$ 756,552	\$ 15.24	\$ 912,131
F Street Lighting (Agencies)	629	710,856	\$ 472,435	\$ 66.46	\$ 66.46	\$ 472,435	1,130	\$ 751	\$ 51.04	\$ 362,791	\$ 15.42	\$ 109,644
Sub-Total	1,703	16,032,021	\$ 4,868,938	\$ 30.37	\$ 30.37	\$ 4,868,938	9,414	\$ 2,859	\$ 15.01	\$ 2,406,953	\$ 15.36	\$ 2,461,985
U.S. Navy	51,661	103,092,475	\$ 27,697,343	\$ 26.87	\$ 26.87	\$ 27,697,343	1,996	\$ 536	\$ 11.47	\$ 11,824,828	\$ 15.40	\$ 15,872,515
	1	26,077,843	\$ 5,245,421	\$ 20.11	\$ 20.11	\$ 5,245,421			\$ 8.06	\$ 2,100,805	\$ 12.06	\$ 3,144,616
TOTAL	51,662	129,170,318	\$ 32,942,764	\$ 25.50	\$ 25.50	\$ 32,942,764	2,500	\$ 638	\$ 10.78	\$ 13,925,633	\$ 14.72	\$ 19,017,130
Six Months Ended March 2019												
R Residential	44,027	235,179,280	\$ 59,003,689	\$ 25.09	\$ 25.09	\$ 59,003,689	5,342	\$ 1,340	\$ 9.66	\$ 22,729,167	\$ 15.42	\$ 36,274,523
G Small Gen. Non Demand	4,177	38,595,735	\$ 11,308,215	\$ 29.30	\$ 29.30	\$ 11,308,215	9,240	\$ 2,707	\$ 13.87	\$ 5,355,132	\$ 15.42	\$ 5,953,083
J Small Gen. Demand	985	89,704,214	\$ 24,714,692	\$ 27.55	\$ 27.55	\$ 24,714,692	91,117	\$ 25,104	\$ 12.13	\$ 10,884,435	\$ 15.42	\$ 13,830,257
P Large General	119	148,562,189	\$ 38,370,257	\$ 25.83	\$ 25.83	\$ 38,370,257	1,250,173	\$ 322,891	\$ 10.48	\$ 15,562,263	\$ 15.35	\$ 22,807,994
I Independent PowerProducer	2	191,302	\$ 54,255	\$ 28.36	\$ 28.36	\$ 54,255	81,987	\$ 23,252	\$ 13.48	\$ 25,795	\$ 14.88	\$ 28,461
H Private St. Lights	523	198,731	\$ 155,617	\$ 78.31	\$ 78.31	\$ 155,617	380	\$ 297	\$ 62.88	\$ 124,964	\$ 15.42	\$ 30,653
Sub-Total	49,833	512,431,451	\$ 133,606,726	\$ 26.07	\$ 26.07	\$ 133,606,726	10,283	\$ 2,681	\$ 10.67	\$ 54,681,755	\$ 15.40	\$ 78,924,970
Government Service:												
S Small Non Demand	678	6,825,715	\$ 2,080,773	\$ 30.48	\$ 30.48	\$ 2,080,773	10,067	\$ 3,069	\$ 15.06	\$ 1,027,961	\$ 15.42	\$ 1,052,812
K Small Demand	352	47,056,972	\$ 13,549,583	\$ 28.79	\$ 28.79	\$ 13,549,583	133,875	\$ 38,548	\$ 13.37	\$ 6,291,421	\$ 15.42	\$ 7,258,161
L Large	43	35,483,735	\$ 9,845,611	\$ 27.75	\$ 27.75	\$ 9,845,611	825,203	\$ 228,968	\$ 12.51	\$ 4,438,321	\$ 15.24	\$ 5,407,290
F Street Lighting (Agencies)	628	4,380,907	\$ 2,900,016	\$ 66.20	\$ 66.20	\$ 2,900,016	6,972	\$ 4,615	\$ 50.77	\$ 2,224,297	\$ 15.42	\$ 675,720
Sub-Total	1,701	93,747,329	\$ 28,375,983	\$ 30.27	\$ 30.27	\$ 28,375,983	55,118	\$ 16,684	\$ 14.91	\$ 13,982,000	\$ 15.35	\$ 14,393,983
U.S. Navy	1	150,956,093	\$ 33,145,202	\$ 21.96	\$ 21.96	\$ 33,145,202			\$ 6.64	\$ 10,027,836	\$ 15.31	\$ 23,117,366
TOTAL	51,535	757,134,873	\$ 195,127,911	\$ 25.77	\$ 25.77	\$ 195,127,911	14,692	\$ 3,786	\$ 10.39	\$ 78,691,591	\$ 15.38	\$ 116,436,320
Twelve Months Ended March 2019												
R Residential	44,017	481,729,829	\$ 120,632,431	\$ 25.04	\$ 25.04	\$ 120,632,431	10,944	\$ 2,741	\$ 9.64	\$ 46,462,342	\$ 15.40	\$ 74,170,089
G Small Gen. Non Demand	4,176	78,956,444	\$ 23,040,011	\$ 29.18	\$ 29.18	\$ 23,040,011	18,906	\$ 5,517	\$ 13.78	\$ 10,882,935	\$ 15.40	\$ 12,157,076
J Small Gen. Demand	985	181,234,936	\$ 49,753,966	\$ 27.45	\$ 27.45	\$ 49,753,966	184,073	\$ 50,533	\$ 12.07	\$ 21,871,174	\$ 15.38	\$ 27,882,792
P Large General	119	299,521,957	\$ 77,211,703	\$ 25.78	\$ 25.78	\$ 77,211,703	2,522,290	\$ 650,204	\$ 10.48	\$ 31,382,726	\$ 15.30	\$ 45,828,977
I Independent PowerProducer	3	360,287	\$ 100,916	\$ 28.01	\$ 28.01	\$ 100,916	127,160	\$ 35,617	\$ 13.17	\$ 47,466	\$ 14.84	\$ 53,450
H Private St. Lights	527	400,209	\$ 311,731	\$ 77.89	\$ 77.89	\$ 311,731	760	\$ 592	\$ 62.52	\$ 250,194	\$ 15.38	\$ 61,537
Sub-Total	49,827	1,042,203,661	\$ 271,050,758	\$ 26.01	\$ 26.01	\$ 271,050,758	20,917	\$ 5,440	\$ 10.64	\$ 110,896,836	\$ 15.37	\$ 160,153,921
Government Service:												
S Small Non Demand	683	13,812,314	\$ 4,205,104	\$ 30.44	\$ 30.44	\$ 4,205,104	20,225	\$ 6,158	\$ 15.08	\$ 2,082,896	\$ 15.36	\$ 2,122,208
K Small Demand	352	92,187,403	\$ 26,596,235	\$ 28.85	\$ 28.85	\$ 26,596,235	262,269	\$ 75,665	\$ 13.48	\$ 12,430,926	\$ 15.37	\$ 14,165,309
L Large	45	71,905,251	\$ 20,053,646	\$ 27.89	\$ 27.89	\$ 20,053,646	1,597,894	\$ 445,637	\$ 12.71	\$ 9,138,242	\$ 15.18	\$ 10,915,404
F Street Lighting (Agencies)	602	9,118,535	\$ 5,852,540	\$ 64.18	\$ 64.18	\$ 5,852,540	15,153	\$ 9,726	\$ 48.81	\$ 4,450,959	\$ 15.37	\$ 1,401,581
Sub-Total	1,681	187,023,504	\$ 56,707,525	\$ 30.32	\$ 30.32	\$ 56,707,525	111,246	\$ 33,731	\$ 15.03	\$ 28,103,024	\$ 15.29	\$ 28,604,501
U.S. Navy	51,508	1,229,227,165	\$ 327,758,282	\$ 26.66	\$ 26.66	\$ 327,758,282	23,865	\$ 39,171	\$ 11.31	\$ 138,999,860	\$ 15.36	\$ 188,758,423
	1	301,250,049	\$ 64,124,291	\$ 21.29	\$ 21.29	\$ 64,124,291			\$ 6.45	\$ 19,444,286	\$ 14.83	\$ 44,680,005
TOTAL	51,509	1,530,477,214	\$ 391,882,574	\$ 25.61	\$ 25.61	\$ 391,882,574	29,713	\$ 7,608	\$ 10.35	\$ 158,444,146	\$ 15.25	\$ 233,438,428

GPA Work Session - May 23 2019 - DIVISION REPORTS

GPA-318
318Mar19

ENERGY ACCOUNT
FY 2019 Versus FY 2018

FOR INTERNAL USE ONLY

	March 2019		March 2018		Y T D 2019		Y T D 2018		MOVING TWELVE MONTHS	
Gross Generation	31		31		182		61		365	
Number of days in Period	234		244		243		254		249	
Peak demand	03/25/19		03/16/18		10/12/18		10/30/17		05/14/18	
Date	KWH	% change	KWH	% change	KWH	% change	KWH	% change	KWH	% change
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	67,527,000		29,598,000		358,890,000		345,892,000		664,233,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	27,160,600		28,720,400		135,487,700		158,441,400		295,420,200	
MEC (ENRON) Piti 9 (IPP)	22,355,100		29,252,800		142,950,600		167,011,700		299,774,800	
TEMES Piti 7 (IPP)	4,037,571		6,719,199		34,815,964		12,248,444		62,881,017	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:							0			
MDI 10MW	0		922,084		101,418		943,498		458,178	
NRG Solar Dandan	4,708,331		4,924,890		23,092,087		23,564,107		45,829,326	
Dededo CT #1	228,260		2,656,670		3,255,690		3,140,410		11,921,350	
Dededo CT #2	393,640		2,348,090		4,216,330		2,598,090		13,844,710	
Macheche CT	4,764,067		7,379,608		30,276,596		24,746,597		53,884,739	
Vigo CT (Leased)	1,666,471		4,725,702		27,054,737		18,238,529		57,729,373	
Tenjo	2,315,430		6,736,830		13,192,360		22,877,410		31,813,080	
Talofofo 10 MW	42,560		2,630,430		4,427,960		7,659,840		10,080,020	
Aggreko	8,571,986		17,666,134		59,064,699		82,062,205		137,730,584	
Wind Turbine*	52,293		72,277		62,724		252,491		122,537	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	143,823,309		144,353,114		836,888,864		869,676,721		1,685,722,915	
Ratio to last year		99.63		97.38		96.23		100.67		95.30
Station use	5,747,275		4,423,014		32,559,037		32,259,682		63,015,295	
Ratio to Gross generation		4.00		3.06		3.89		3.71		3.74
Net send out	138,076,034		139,930,100		804,329,828		837,417,039		1,622,707,620	
Ratio to last year		98.68		98.42		96.05		101.02		95.14
KWH deliveries:										
Sales to Navy (@34.5kv)	26,077,843		25,988,485		150,956,093		156,166,216		301,250,049	
Ratio to last year		100.34		91.52		96.66		98.81		95.12
GPA-metered	111,998,191		113,941,615		653,373,735		681,250,823		1,321,457,571	
Ratio to last year		98.29		100.15		95.91		101.55		95.14
Power factor adj.	0		0		0		0		0	
Adjusted	111,998,191		113,941,615		653,373,735		681,250,823		1,321,457,571	
GPA KWH Accountability:										
Sales to civilian customers- accrual basis	103,092,475		106,704,974		606,178,780		637,543,586		1,229,227,164	
Ratio to last year		96.61		99.97		95.08		101.58		94.45
GPA use-KWH	315,576		319,483		2,016,439		1,837,556		4,066,452	
Unaccounted For	8,590,140		6,917,158		45,178,516		41,869,681		88,163,955	
Ratio to deliveries		7.67		6.07		6.91		6.15		6.67
Ratio to Gross Generation		5.97		4.79		5.40		4.81		5.23
Ratio to Net Send Out		6.22		4.94		5.62		5.00		5.43

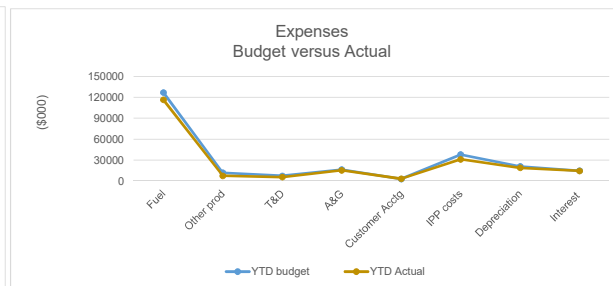
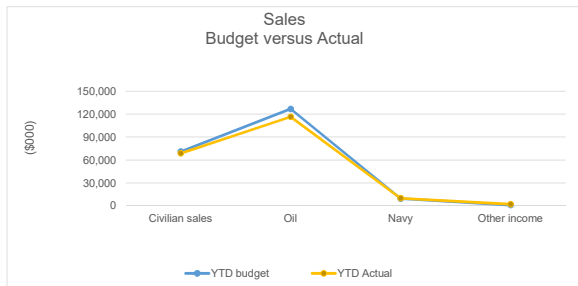
GPA Work Session - May 23 2019 - DIVISION REPORTS

GPA-317Mar19

**Guam Power Authority
Fuel Consumption
FY 2019**

Description	March 2019		YEAR-TO-DATE		MOVING 12 MONTHS	
	BARRELS	AMOUNT	BARRELS	AMOUNT	BARREL S	AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	0	0	0
	0	0	0	0	0	0
GPA:						
RFO	166,505	\$12,471,620	616,795	\$ 47,439,871	1,246,927	\$ 90,161,086
Diesel	48,414	\$4,386,521	376,310	\$ 36,028,284	805,861	\$ 76,617,940
Low Sulfur	9,588	\$811,536	352,509	\$ 29,807,574	665,158	\$ 50,228,452
Deferred Fuel Costs	0	-\$639,154	0	\$ (5,320,135)	0	\$ 737,593
Fuel Adjustments	0	\$7,265	0	\$ 56,599	0	\$ (160,069)
Fuel Handling Costs	0	\$1,979,342	0	\$ 8,424,126	0	\$ 16,627,081
	224,507	\$19,017,131	1,345,615	\$ 116,436,319	2,717,946	\$ 234,212,082
IWPS:						
GPA RFO	166,505	\$12,471,620	616,795	\$ 47,439,871	1,246,927	\$ 90,161,086
Diesel	48,414	\$4,386,521	376,310	\$ 36,028,284	805,861	\$ 76,617,940
Low Sulfur	9,588	\$811,536	352,509	\$ 29,807,574	665,158	\$ 50,228,452
Deferred Fuel Costs	0	-\$639,154	0	\$ (5,320,135)	0	\$ 737,593
Fuel Variance	0	\$7,265	0	\$ 56,599	0	\$ (160,069)
Fuel Handling Costs	0	\$1,979,342	0	\$ 8,424,126	0	\$ 16,627,081
	224,507	\$19,017,131	1,345,615	\$ 116,436,319	2,717,946	\$ 234,212,082
AVERAGE COST/Bbl.						
GPA RFO		\$74.90		\$76.91		\$72.31
Diesel		\$90.60		\$95.74		\$95.08
Low Sulfur		\$84.64		\$84.56		\$75.51
AS BURNED						
Cabras 1 & 2						
RFO	103,394	\$ 7,833,572	471,769	\$ 36,407,616	806,305	\$ 59,147,678
Low Sulfur	6,442	\$ 545,290	128,206	\$ 10,768,168	314,297	\$ 22,945,355
Diesel	<u>89</u>	<u>\$ 9,016</u>	<u>1,014</u>	<u>\$ 99,753</u>	<u>2,299</u>	<u>\$ 217,569</u>
	109,925	\$ 8,387,879	600,988	\$ 47,275,538	1,122,901	\$ 82,310,603
Cabras 3 & 4						
RFO	0	\$ -	0	\$ -	0	\$ -
Low Sulfur	0	\$ -	0	\$ -	0	\$ -
Diesel	<u>0</u>	<u>\$ -</u>	<u>0</u>	<u>\$ -</u>	<u>0</u>	<u>\$ -</u>
	0	\$ -	0	\$ -	0	\$ -
MEC (Piti Units 8&9)						
RFO	63,111	\$ 4,638,048	145,026	\$ 11,032,254	440,623	\$ 31,013,408
Low Sulfur	3,146	\$ 266,246	224,303	\$ 19,039,406	350,860	\$ 27,283,096
Diesel	<u>18</u>	<u>\$ 1,283</u>	<u>26</u>	<u>\$ 1,866</u>	<u>56</u>	<u>\$ 3,930</u>
	66,275	\$ 4,905,577	369,356	\$ 30,073,527	791,538	\$ 58,300,435
Diesel & CT's - GPA:						
MDI Dsl	0	\$ -	108	\$ 8,132	752	\$ 55,952
Macheche CT	10,562	\$ 931,802	65,050	\$ 6,167,331	115,154	\$ 10,809,490
Yigo CT	3,856	\$ 333,633	58,569	\$ 5,579,565	123,479	\$ 11,703,286
Talofofo 10 MW	120	\$ 9,939	7,735	\$ 707,841	17,037	\$ 1,570,190
Aggreko	15,882	\$ 1,414,482	108,784	\$ 10,198,958	253,482	\$ 23,932,727
Tenjo	4,492	\$ 432,754	23,589	\$ 2,455,008	55,374	\$ 5,568,691
TEMES (IPP)	10,790	\$ 967,275	88,135	\$ 8,544,058	159,903	\$ 15,341,462
GWA Generators	<u>624</u>	<u>\$ 80,393</u>	<u>836</u>	<u>\$ 107,801</u>	<u>2,228</u>	<u>\$ 271,437</u>
	48,307	\$ 4,376,222	375,270	\$ 35,926,665	803,506	\$ 76,396,440
Deferred Fuel Costs	0	\$ (639,154)	0	\$ (5,320,135)	0	\$ 737,593
Adjustment	0	\$ 7,265	0	\$ 56,599	0	\$ (160,069)
Fuel Handling Costs	0	\$ 1,979,342	0	\$ 8,424,126	0	\$ 16,627,081
TOTAL	224,507	\$ 19,017,131	1,345,615	\$ 116,436,319	2,717,946	\$ 234,212,082

Statement of operations Comparison-Budget versus Actual For the month and year to date ended March 31, 2019						
	Budget	Actual March-19	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	107,620	103,092	4,528	632,885	606,178	26,707
Non-fuel yield	\$ 0.105579	\$ 0.114703	\$ (0.009125)	\$ 0.105579	\$ 0.113274	\$ (0.007695)
KwH Sales-Navy	27,576	26,078	1,498	153,490	150,956	2,534
Non-fuel yield	\$ 0.062350	\$ 0.080566	\$ (0.018216)	\$ 0.062350	\$ 0.066430	\$ (0.004080)
Operating revenue						
Civilian sales	\$ 12,071	\$ 11,825	\$ 246	\$ 71,021	\$ 68,664	\$ 2,357
Oil	23,783	19,017	4,766	126,774	116,437	10,337
Navy	1,719	2,101	(382)	9,570	10,028	(458)
Other income	168	134	35	1,010	2,177	(1,167)
	37,741	33,077	4,664	208,375	197,306	11,069
Bad debts expense	92	92	-	549	549	-
Total operating revenues	\$ 37,650	\$ 32,985	\$ 4,664	\$ 207,826	\$ 196,757	\$ 11,069
Operating expenses:						
Production fuel	\$ 23,783	\$ 19,017	\$ 4,765	\$ 126,774	\$ 116,436	\$ 10,338
O & M expenses:						
Other production	1,915	1,374	541	11,844	7,452	4,391
Transmission distribution	1,182	1,105	77	7,402	5,513	1,888
Administrative expense	2,729	2,819	(90)	16,299	15,413	886
Customer accounting	405	480	(75)	2,385	2,642	(258)
	6,231	5,777	454	37,929	31,021	6,908
IPP costs	1,347	965	382	8,084	7,851	233
Depreciation	3,501	3,010	491	21,008	18,875	2,133
	\$ 34,862	\$ 28,770	\$ 6,092	\$ 193,795	\$ 174,183	\$ 19,612
Operating income	\$ 2,787	\$ 4,215	\$ (1,428)	\$ 14,031	\$ 22,574	\$ (8,543)
Other revenue (expenses):						
Investment income	177	699	(522)	1,062	2,390	(1,328)
Interest expense	(2,414)	(2,438)	25	(14,642)	(14,481)	(161)
AFUDC	202	-	202	1,210	-	1,210
Bid bond forfeiture	-	-	-	-	(1,245)	1,245
Losses due to typhoon	-	(325)	325	-	(610)	610
Bond issuance costs/Other expenses	142	84	59	854	501	353
Net income before capital contribution	895	2,235	(1,341)	2,515	9,130	(6,616)
Grants from the U.S. Government	-	187	(187)	-	216	(216)
Increase (decrease) in net assets	\$ 895	\$ 2,422	\$ (1,528)	\$ 2,515	\$ 9,345	\$ (6,831)



Guam Power Authority
Debt service coverage
March 31, 2019

	2015	2016	Restated 2017	Unaudited 2018	YTD Unaudited 2019
Funds Available for Debt Service					
Earnings from Operations	\$ 48,758	\$ 37,981	\$ 36,522	\$ 40,725	\$ 22,573
Interest Income	368	1,227	(32)	1,254	1,653
Depreciation Expense	41,766	44,240	44,292	38,550	18,875
Balance Available for Debt Service	<u>\$ 90,892</u>	<u>\$ 83,448</u>	<u>\$ 80,782</u>	<u>\$ 80,529</u>	<u>\$ 43,100</u>
IPP - Capital Costs					
Principal	\$ 18,144	\$ 14,819	\$ 21,263	\$ 23,210	\$ 9,697
Interest	8,478	5,970	5,137	3,159	616
Total IPP Payments	<u>\$ 26,622</u>	<u>\$ 20,789</u>	<u>\$ 26,400</u>	<u>\$ 26,369</u>	<u>\$ 10,313</u>
Bond Debt Service					
Principal (1993 & 1999 Revenue Bond)	\$ -	\$ -	\$ -	\$ -	\$ -
Interest (1993 & 1999 Revenue Bond)	-	-	-	-	-
Principal and Interest (2010 Subordinate Bond)	9,605	-	-	-	-
Principal and Interest (2010 Senior TE Bond)	7,999	7,999	7,999	2,000	-
Principal and Interest (2012 Senior TE Bond)	17,096	17,098	17,449	17,086	15,734
Principal and Interest (2014 Senior TE Bond)	-	10	5,084	5,083	2,542
Principal and Interest (2017 Senior TE Bond)	-	-	-	5,916	3,804
Total	<u>\$ 34,700</u>	<u>\$ 25,107</u>	<u>\$ 30,532</u>	<u>\$ 30,086</u>	<u>\$ 22,079</u>
Debt Service Coverage (DSC) Calculation					
Existing DSC Methodology (Senior)	2.56 x	2.50 x	1.78 x	1.80 x	1.48 x
Existing DSC Methodology (Senior+Subordinate)	1.85 x	2.50 x	1.78 x	1.80 x	1.48 x
Bond Covenant DSC	2.62 x	3.32 x	2.65 x	2.68 x	1.95 x
Debt Service Coverage Requirements					
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75 x
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30 x
Minimum Bond Covenant Requirement (Subordinate Bond)	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x

Notes:

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

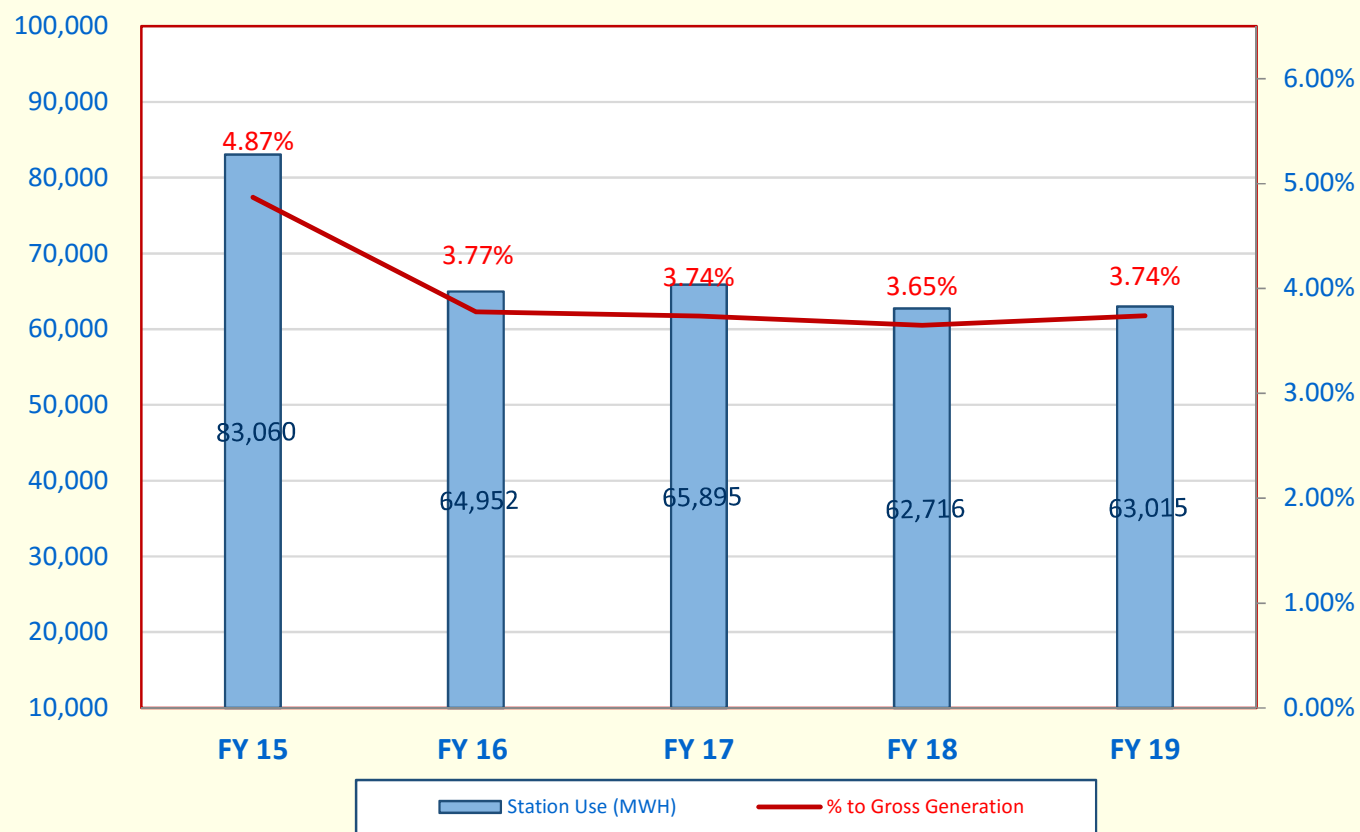
GPA Work Session - May 23 2019 - DIVISION REPORTS

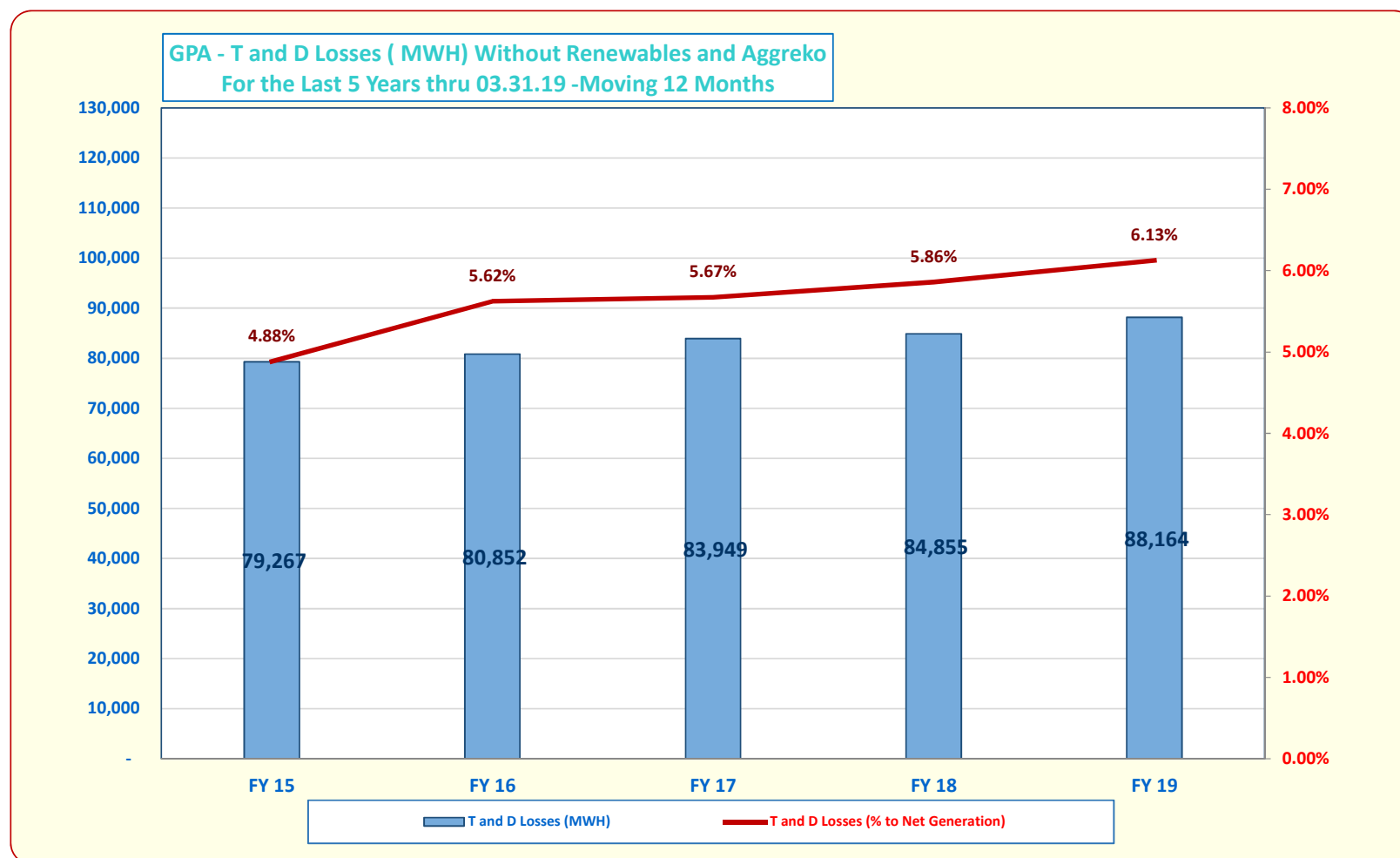
REVENUES-ACTUAL VS PROJECTIONS								
MONTHLY - MARCH 2019					YTD THRU 03/31/19			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	41,674,402	40,399,698	(1,274,705)	-3.06%	245,054,838	235,179,280	(9,875,558)	-4.03%
Small General-Non-Demand	6,904,737	6,549,399	(355,338)	-5.15%	41,417,690	38,595,735	(2,821,955)	-6.81%
Small General-Demand	15,971,992	15,250,813	(721,179)	-4.52%	91,427,314	89,704,214	(1,723,100)	-1.88%
Large	26,486,644	24,793,966	(1,692,677)	-6.39%	157,465,193	148,562,189	(8,903,004)	-5.65%
Independent Power Producers	46,280	34,407	(11,873)	-25.65%	275,139	191,302	(83,837)	-30.47%
Private St. Lites	28,733	32,171	3,438	11.96%	206,214	198,731	(7,483)	-3.63%
Sub-total	91,112,788	87,060,454	(4,052,334)	-4.45%	535,846,389	512,431,451	(23,414,938)	-4.37%
Government								
Small_Non Demand	1,170,665	1,192,582	21,917	1.87%	6,919,544	6,825,715	(93,829)	-1.36%
Small-Demand	8,111,545	8,144,760	33,215	0.41%	48,082,776	47,056,972	(1,025,804)	-2.13%
Large	6,465,718	5,983,823	(481,895)	-7.45%	37,490,514	35,483,735	(2,006,779)	-5.35%
Public St. Lites	759,781	710,856	(48,925)	-6.44%	4,546,158	4,380,907	(165,251)	-3.63%
Sub-total	16,507,709	16,032,021	(475,688)	-2.88%	97,038,991	93,747,329	(3,291,662)	-3.39%
Total-Civilian	107,620,497	103,092,475	(4,528,022)	-4.21%	632,885,379	606,178,780	(26,706,600)	-4.22%
USN	27,575,528	26,077,843	(1,497,685)	-5.43%	153,490,224	150,956,093	(2,534,131)	-1.65%
Grand Total	135,196,025	129,170,318	(6,025,707)	-4.46%	786,375,603	757,134,873	(29,240,731)	-3.72%
Non-Oil Yield								
Residential	0.096102	0.097525	0.001423	1.48%	0.096102	0.096646	0.000544	0.57%
Small General-Non-Demand	0.136352	0.140039	0.003687	2.70%	0.136352	0.138749	0.002397	1.76%
Small General-Demand	0.119289	0.123673	0.004384	3.68%	0.119289	0.121337	0.002048	1.72%
Large	0.103671	0.106845	0.003174	3.08%	0.103671	0.104753	0.001082	1.04%
Independent Power Producers	0.120485	0.138932	0.018447	0.00%	0.120485	0.134838	0.014353	0.00%
Private St. Lites	0.568458	0.643095	0.074637	13.13%	0.568458	0.628810	0.060352	10.62%
Sub-total	0.105579	0.108176	0.002598	2.46%	0.105588	0.106710	0.001123	1.06%
Government								
Small_Non Demand	0.150024	0.151317	0.001293	0.86%	0.150024	0.150601	0.000577	0.38%
Small-Demand	0.134359	0.135934	0.001575	1.17%	0.134359	0.133698	(0.000661)	-0.49%
Large	0.126658	0.126433	(0.000225)	-0.18%	0.126658	0.125080	(0.001578)	-1.25%
Public St. Lites	0.482817	0.510358	0.027541	5.70%	0.482817	0.507725	0.024908	5.16%
Sub-total	0.148492	0.150134	0.001642	1.11%	0.148826	0.149146	0.000320	0.21%
Total-Civilian	0.175911	0.114701	(0.061210)	-34.80%	0.161203	0.113273	(0.047930)	-29.73%
USN	0.062350	0.080559	0.018209	29.20%	0.062350	0.066429	0.004079	6.54%
Grand Total	0.102001	0.107808	0.005807	5.69%	0.102484	0.103933	0.001449	1.41%
Non-Oil Revenues								
Residential	4,004,993	3,939,996	(64,997)	-1.62%	23,550,260	22,729,167	(821,093)	-3.49%
Small General-Non-Demand	941,475	917,173	(24,302)	-2.58%	5,647,385	5,355,132	(292,253)	-5.18%
Small General-Demand	1,905,283	1,886,118	(19,165)	-1.01%	10,906,273	10,884,435	(21,837)	-0.20%
Large	2,745,897	2,649,119	(96,778)	-3.52%	16,324,574	15,562,263	(762,311)	-4.67%
Independent Power Producers	5,576	4,780	(796)	-14.27%	33,150	25,795	(7,355)	-22.19%
Private St. Lites	16,333	20,689	4,355	26.67%	117,224	124,964	7,740	6.60%
Sub-total	9,619,557	9,417,875	(201,682)	-2.10%	56,578,866	54,681,755	(1,897,111)	-3.35%
Government								
Small_Non Demand	175,628	180,458	4,830	2.75%	1,038,098	1,027,961	(10,136)	-0.98%
Small-Demand	1,089,859	1,107,152	17,293	1.59%	6,460,354	6,291,421	(168,932)	-2.61%
Large	818,935	756,552	(62,383)	-7.62%	4,748,473	4,438,321	(310,153)	-6.53%
Public St. Lites	366,835	362,791	(4,044)	-1.10%	2,194,962	2,224,297	29,334	1.34%
Sub-total	2,451,257	2,406,953	(44,304)	-1.81%	14,441,887	13,982,000	(459,887)	-3.18%
Total-Civilian	12,070,814	11,824,828	(245,986)	-2.04%	71,020,753	68,663,755	(2,356,998)	-3.32%
USN	1,719,334	2,100,805	381,471	22.19%	9,570,115	10,027,836	457,720	4.78%
Grand Total	13,790,149	13,925,633	135,485	0.98%	80,590,869	78,691,591	(1,899,278)	-2.36%
% of Total Revenues	36.70%	42.27%			38.86%	40.33%		
Oil Revenues								
Residential	7,331,001	6,231,330	(1,099,671)	-15.00%	39,494,040	36,274,523	(3,219,518)	-8.15%
Small General-Non-Demand	1,214,622	1,010,192	(204,429)	-16.83%	6,681,629	5,953,083	(728,546)	-10.90%
Small General-Demand	2,809,655	2,351,282	(458,373)	-16.31%	14,742,980	13,830,257	(912,723)	-6.19%
Large	4,659,302	3,807,648	(851,654)	-18.28%	25,381,404	22,807,994	(2,573,410)	-10.14%
Independent Power Producers	8,141	5,116	(3,026)	-37.16%	44,349	28,461	(15,888)	-35.82%
Private St. Lites	5,054	4,962	(92)	-1.83%	33,020	30,653	(2,367)	-7.17%
Sub-total	16,027,776	13,410,530	(2,617,246)	-16.33%	86,377,422	78,924,971	(7,452,451)	-8.63%
Government								
Small_Non Demand	205,933	183,946	(21,987)	-10.68%	1,115,151	1,052,812	(62,339)	-5.59%
Small-Demand	1,426,913	1,256,264	(170,649)	-11.96%	7,750,955	7,258,161	(492,794)	-6.36%
Large	1,137,393	912,131	(225,262)	-19.81%	6,047,679	5,407,290	(640,389)	-10.59%
Public St. Lites	133,654	109,644	(24,010)	-17.96%	731,707	675,720	(55,987)	-7.65%
Sub-total	2,903,894	2,461,985	(441,909)	-15.22%	15,645,492	14,393,983	(1,251,509)	-8.00%
Total-Civilian	18,931,669	15,872,515	(3,059,155)	-16.16%	102,022,914	93,318,954	(8,703,960)	-8.53%
USN	4,850,849	3,144,616	(1,706,233)	-35.17%	24,750,951	23,117,366	(1,633,584)	-6.60%
Grand Total	23,782,518	19,017,130	(4,765,388)	-20.04%	126,773,865	116,436,320	(10,337,544)	-8.15%
% of Total Revenues	63.30%	57.73%			61.14%	59.67%		
Grand Total								
Residential	11,335,995	10,171,326	(1,164,668)	-10.27%	63,044,300	59,003,689	(4,040,611)	-6.41%
Small General-Non-Demand	2,156,096	1,927,366	(228,731)	-10.61%	12,329,014	11,308,215	(1,020,799)	-8.28%
Small General-Demand	4,714,938	4,237,399	(477,539)	-10.13%	25,649,253	24,714,692	(934,561)	-3.64%
Large	7,405,199	6,456,767	(948,432)	-12.81%	41,705,978	38,370,257	(3,335,721)	-8.00%
Independent Power Producers	13,717	9,896	(3,821)	-27.86%	77,499	54,256	(23,243)	-29.99%
Private St. Lites	21,388	25,651	4,263	19.93%	150,244	155,617	5,373	3.58%
Sub-total	25,647,333	22,828,405	(2,818,928)	-10.99%	142,956,288	133,606,726	(9,349,562)	-6.54%
Government								
Small_Non Demand	381,561	364,404	(17,157)	-4.50%	2,153,248	2,080,773	(72,475)	-3.37%
Small-Demand	2,516,772	2,363,416	(153,356)	-6.09%	14,211,309	13,549,583	(661,726)	-4.66%
Large	1,956,328	1,668,683	(287,645)	-14.70%	10,796,153	9,845,611	(950,542)	-8.80%
Public St. Lites	500,489	472,435	(28,054)	-5.61%	2,926,669	2,900,016	(26,653)	-0.91%
Sub-total	5,355,151	4,868,938	(486,213)	-9.08%	30,087,379	28,375,983	(1,711,396)	-5.69%
Total-Civilian	31,002,484	27,697,343	(3,305,141)	-10.66%	173,043,667	161,982,709	(11,060,958)	-6.39%
USN	6,570,183	5,245,421	(1,324,762)	-20.16%	34,321,066	33,145,202	(1,175,864)	-3.43%
Grand Total	37,572,667	32,942,764	(4,629,903)	-12.32%	207,364,733	195,127,911	(12,236,822)	-5.90%

GPA Work Session - May 23 2019 - DIVISION REPORTS

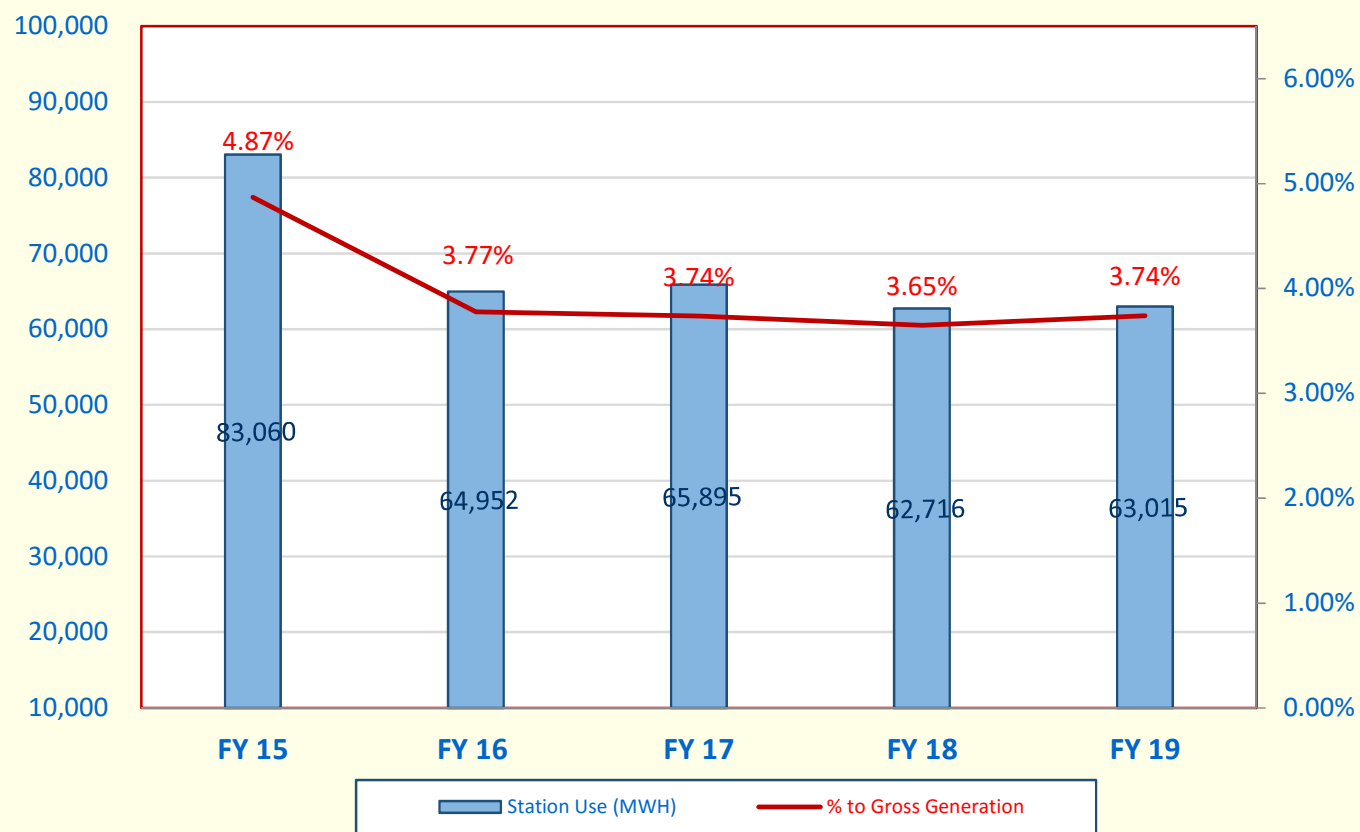
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 6 MONTHS ENDED MARCH 31				ACTUALS - MONTH ENDED MARCH 31			
	2019	2018	VARIANCE	% VARIANCE	2019	2018	VARIANCE	% VARIANCE
KWH								
Residential	235,179,280	248,796,200	(13,616,920)	-5.47%	40,399,698	41,541,824	(1,142,126)	-2.75%
Small General-Non-Demand	38,595,735	41,058,895	(2,463,160)	-6.00%	6,549,399	6,976,607	(427,207)	-6.12%
Small General-Demand	89,704,214	93,074,431	(3,370,217)	-3.62%	15,250,813	15,917,309	(666,496)	-4.19%
Large	148,562,189	156,408,481	(7,846,292)	-5.02%	24,793,966	26,155,199	(1,361,233)	-5.20%
Independent Power Producers	191,302	310,730	(119,428)	-38.43%	34,407	28,536	5,872	20.58%
Private St. Lites	198,731	201,578	(2,847)	-1.41%	32,171	32,791	(620)	-1.89%
Sub-total	512,431,451	539,850,315	(27,418,864)	-5.08%	87,060,454	90,652,265	(3,591,811)	-3.96%
Government								
Small_Non Demand	6,825,715	7,340,385	(514,670)	-7.01%	1,192,582	1,193,794	(1,212)	-0.10%
Small-Demand	47,056,972	47,815,506	(758,534)	-1.59%	8,144,760	7,889,205	255,555	3.24%
Large	35,483,735	38,228,791	(2,745,056)	-7.18%	5,983,823	6,226,210	(242,387)	-3.89%
Public St. Lites	4,380,907	4,308,590	72,317	1.68%	710,856	743,499	(32,643)	-4.39%
Sub-total	93,747,329	97,693,272	(3,945,943)	-4.04%	16,032,021	16,052,709	(20,688)	-0.13%
Total-Civilian	606,178,780	637,543,587	(31,364,807)	-4.92%	103,092,475	106,704,974	(3,612,499)	-3.39%
USN	150,956,093	156,166,216	(5,210,123)	-3.34%	26,077,843	25,988,485	89,358	0.34%
Grand Total	757,134,873	793,709,803	(36,574,930)	-4.61%	129,170,318	132,693,459	(3,523,141)	-2.66%
Non-Oil Yield								
Residential	0.096646	0.096268	0.000378	0.39%	0.097525	0.097178	0.000347	0.36%
Small General-Non-Demand	0.138749	0.136795	0.001955	1.43%	0.140039	0.137700	0.002339	1.70%
Small General-Demand	0.121337	0.120073	0.001264	1.05%	0.123673	0.120839	0.002834	2.35%
Large	0.104753	0.103637	0.001115	1.08%	0.106845	0.104462	0.002383	2.28%
Independent Power Producers	0.134838	0.107689	0.027149	25.21%	0.138932	0.117182	0.021750	18.56%
Private St. Lites	0.628810	0.631364	-0.002554	-0.40%	0.643095	0.639091	0.004004	0.63%
Sub-total	0.106710	0.105796	0.000914	0.86%	0.108176	0.106755	0.001421	1.33%
Government								
Small_Non Demand	0.150601	0.150002	0.000599	0.40%	0.151317	0.151396	-0.000079	-0.05%
Small-Demand	0.133698	0.134136	-0.000438	-0.33%	0.135934	0.134762	0.001173	0.87%
Large	0.125080	0.126724	-0.001643	-1.30%	0.126433	0.128692	-0.002259	-1.76%
Public St. Lites	0.507725	0.477187	0.030538	6.40%	0.510358	0.465686	0.044672	9.59%
Sub-total	0.149146	0.147557	0.001589	1.08%	0.150134	0.148972	0.001162	0.78%
Total-Civilian	0.113273	0.112195	0.001078	0.96%	0.114701	0.113106	0.001595	1.41%
USN	0.066429	0.062257	0.004172	6.70%	0.080559	0.065669	0.014890	22.67%
Grand Total	0.103933	0.102370	0.001564	1.53%	0.107808	0.103816	0.003993	3.85%
Non-Oil Revenues								
Residential	22,729,167	23,951,125	(1,221,958)	-5.10%	3,939,996	4,036,961	(96,965)	-2.40%
Small General-Non-Demand	5,355,132	5,616,639	(261,507)	-4.66%	917,173	960,680	(43,507)	-4.53%
Small General-Demand	10,884,435	11,175,765	(291,330)	-2.61%	1,886,118	1,923,433	(37,315)	-1.94%
Large	15,562,263	16,209,732	(647,469)	-3.99%	2,649,119	2,732,228	(83,109)	-3.04%
Independent Power Producers	25,795	33,462	(7,667)	-22.91%	4,780	3,344	1,436	42.96%
Private St. Lites	124,964	127,269	(2,305)	-1.81%	20,689	20,956	(268)	-1.28%
Sub-total	54,681,755	57,113,992	(2,432,237)	-4.26%	9,417,875	9,677,603	(259,728)	-2.68%
Government								
Small_Non Demand	1,027,961	1,101,071	(73,110)	-6.64%	180,458	180,736	(278)	-0.15%
Small-Demand	6,291,421	6,413,759	(122,338)	-1.91%	1,107,152	1,063,161	43,990	4.14%
Large	4,438,321	4,844,492	(406,171)	-8.38%	756,552	801,265	(44,713)	-5.58%
Public St. Lites	2,224,297	2,056,004	168,293	8.19%	362,791	346,237	16,554	4.78%
Sub-total	13,982,000	14,415,326	(433,326)	-3.01%	2,406,953	2,391,399	15,554	0.65%
Total-Civilian	68,663,755	71,529,318	(2,865,563)	-4.01%	11,824,828	12,069,002	(244,174)	-2.02%
USN	10,027,836	9,722,486	305,349	3.14%	2,100,805	1,706,643	394,162	23.10%
Grand Total	78,691,591	81,251,804	(2,560,213)	-3.15%	13,925,633	13,775,645	149,988	1.09%
% of Total Revenues								
Oil Revenues								
Residential	36,274,523	32,243,564	4,030,958	12.50%	6,231,330	6,117,698	113,632	1.86%
Small General-Non-Demand	5,953,083	5,330,406	622,678	11.68%	1,010,192	1,027,417	(17,225)	-1.68%
Small General-Demand	13,830,257	12,038,910	1,791,346	14.88%	2,351,282	2,343,297	7,985	0.34%
Large	22,807,994	19,867,884	2,940,111	14.80%	3,807,648	3,833,455	(25,807)	-0.67%
Independent Power Producers	28,461	36,988	(8,526)	-23.05%	5,116	4,062	1,053	25.93%
Private St. Lites	30,653	25,656	4,997	19.48%	4,962	4,829	133	2.76%
Sub-total	78,924,971	69,543,407	9,381,564	13.49%	13,410,530	13,330,758	79,771	0.60%
Government								
Small_Non Demand	1,052,812	932,488	120,324	12.90%	183,946	175,805	8,141	4.63%
Small-Demand	7,258,161	6,079,849	1,178,313	19.38%	1,256,264	1,161,812	94,452	8.13%
Large	5,407,290	4,800,083	607,207	12.65%	912,131	906,004	6,127	0.68%
Public St. Lites	675,720	548,956	126,764	23.09%	109,644	109,492	152	0.14%
Sub-total	14,393,983	12,361,375	2,032,608	16.44%	2,461,985	2,353,113	108,872	4.63%
Total-Civilian	93,318,954	81,904,782	11,414,172	13.94%	15,872,515	15,683,871	188,643	1.20%
USN	23,117,366	18,417,623	4,699,743	25.52%	3,144,616	3,496,300	(351,685)	-10.06%
Grand Total	116,436,320	100,322,406	16,113,915	16.06%	19,017,130	19,180,172	(163,041)	-0.85%
% of Total Revenues								
Grand Total								
Residential	59,003,689	56,194,689	2,809,000	5.00%	10,171,326	10,154,660	16,667	0.16%
Small General-Non-Demand	11,308,215	10,947,044	361,171	3.30%	1,927,366	1,988,097	(60,732)	-3.05%
Small General-Demand	24,714,692	23,214,676	1,500,017	6.46%	4,237,399	4,266,730	(29,331)	-0.69%
Large	38,370,257	36,077,615	2,292,642	6.35%	6,456,767	6,565,683	(108,916)	-1.66%
Independent Power Producers	54,256	70,450	(16,194)	-22.99%	9,896	7,406	2,490	33.62%
Private St. Lites	155,617	152,925	2,691	1.76%	25,651	25,785	(135)	-0.52%
Sub-total	133,606,716	126,657,399	6,949,317	5.49%	22,828,405	23,008,362	(179,957)	-0.78%
Government								
Small_Non Demand	2,080,773	2,033,559	47,214	2.32%	364,404	356,541	7,863	2.21%
Small-Demand	13,549,583	12,493,608	1,055,975	8.45%	2,363,416	2,224,973	138,443	6.22%
Large	9,845,611	9,844,575	201,035	2.08%	1,668,683	1,707,269	(38,586)	-2.26%
Public St. Lites	2,900,016	2,604,959	295,057	11.33%	472,435	455,729	16,706	3.67%
Sub-total	28,375,983	26,776,701	1,599,282	5.97%	4,868,938	4,744,512	124,426	2.62%
Total-Civilian	161,982,709	153,434,100	8,548,609	5.57%	27,697,343	27,752,874	(55,531)	-0.20%
USN	33,145,202	28,140,109	5,005,093	17.79%	5,245,421	5,202,943	42,478	0.82%
Grand Total	195,127,911	181,574,210	13,553,702	7.46%	32,942,764	32,955,817	(13,053)	-0.04%

**GPA - Station Usage(MWH) With Renewables
For the Last 5 Years Thru 03.31.19 -Moving 12 Months**

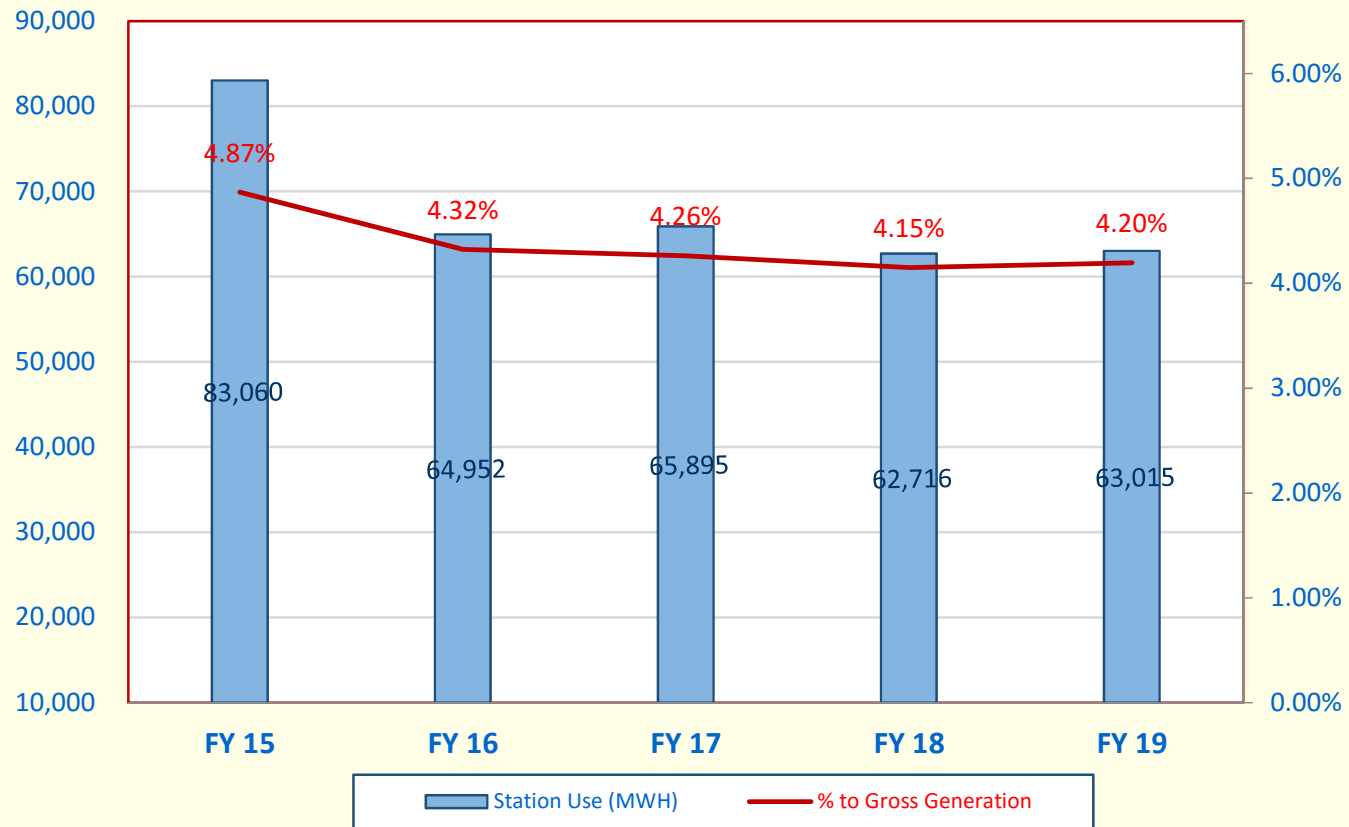


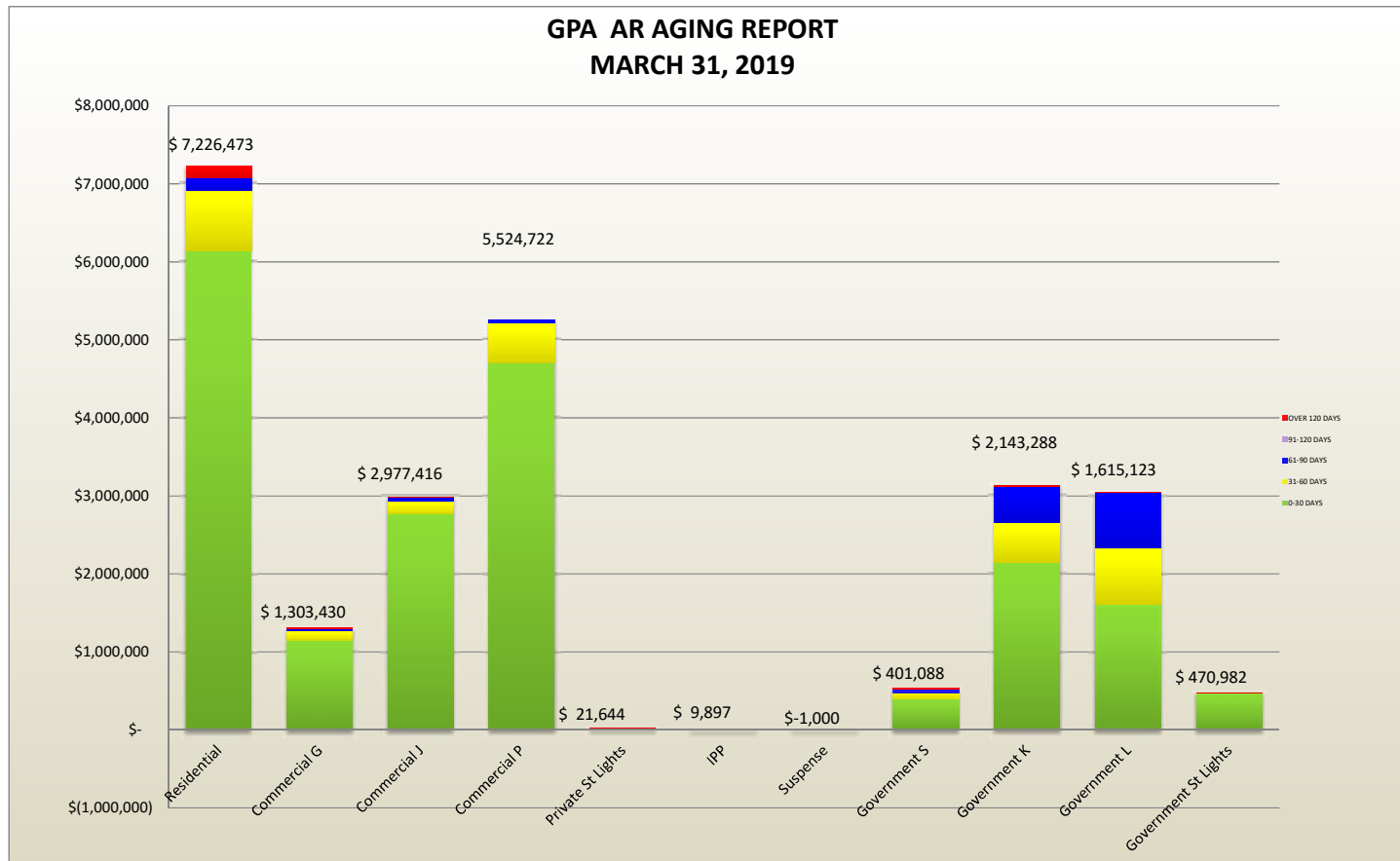


**GPA - Station Usage(MWH) With Renewables
For the Last 5 Years Thru 03.31.19 -Moving 12 Months**



**GPA - Station Usage(MWH) Without Renewables and Aggreko
For the Last 5 Years Thru 03.31.19-Moving 12 Months**





GPA Work Session - May 23 2019 - DIVISION REPORTS

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
BILLING UP TO 04/30/2019 and Payments Applied as of 05/16/2019

Current (04/19 Billing due 05/31/19)
 30 days Arrears (3/31/19 due 04/30/19)
 60 days and over Arrears (02/19 billing due 3/31/19)

CC&B ACCT NUMBER	CC&B New Acct Number	DEPARTMENT	BALANCE 03/31/2019	CANCEL/REBILL/ SPEC CHARGE May 2019	BILLING 04/30/2019	PAYMENT May 2019	BALANCE 05/16/2019
Line Agencies							
0237100000	1073430238	Dept. of Corrections	77,772.79		87,604.84	(77,772.79)	87,604.84
0437100000	0040515913	Dept. of Parks & Rec.	37,461.56	205.72	23,125.05	(37,461.56)	23,330.77
0537100000	0453170939	Guam Fire Department	15,326.66	(95.19)	16,959.73	(15,326.66)	16,864.54
6995000000	8564647941	DOA Supply Mgmt (NET METERED)	1,102.59		1,277.26	(1,102.59)	1,277.26
7895000000	4211873236	Dept. of Administration	4,310.26		5,016.23	(4,310.26)	5,016.23
1337100000	4554808900	Nieves Flores Library	9,428.87		11,212.25	(9,428.87)	11,212.25
2206200000	9541109130	General Services Agency	254.75		262.38	(254.75)	262.38
2237100000	1621790133	DOA-Data Processing	8,170.04		9,389.51	(8,170.04)	9,389.51
2337100000	1896187753	Dept. of PH&SS	54,779.32		65,283.28	(54,779.32)	65,283.28
3237100000	7252821074	Dept. of Education	3,246,308.31	8,085.46	1,171,326.24	(1,358,154.54)	3,067,565.47
3337100000	0266069082	Guam Police Department	48,457.51		55,388.08	(48,457.51)	55,388.08
3569100000	6069461950	Dept. of Youth Affairs (Federal)	918.96		1,214.83	(918.96)	1,214.83
4437100000	2913461537	Dept. of Youth Affairs* (Local)	10,146.01		13,829.33	(10,146.01)	13,829.33
4737100000	3404311949	Guam Environmental Protect	6,445.51		7,054.78	(6,445.51)	7,054.78
5437100000	3227759982	Mental Health/Subst.	38,986.44		44,277.17	(38,986.44)	44,277.17
7203000000	0070861777	Veteran Affairs	793.31		1,049.67	(793.31)	1,049.67
7437100000	8300435373	Civil Defense (Military Affairs)	23,822.57		12,179.74	(23,822.57)	12,179.74
7463300000	7813165805	Pacific Energy Resource Center	649.67		740.51	(649.67)	740.51
8137100000	1595188609	Dept. of Agriculture	9,930.92		10,928.21	(9,930.92)	10,928.21
8337100000	2535590089	DPW-FAC Adm Account	25,973.05		29,369.57	(25,973.05)	29,369.57
8437100000	7928924534	Guam Visitors Bureau	4,317.93	3,906.73	4,764.05	(9,081.98)	3,906.73
8446300000	7663706771	Yona Senior Citizen Center	854.17		1,030.69	(854.17)	1,030.69
9437100000	4129948191	Dept. of Chamorro Affairs/Chamorro Village	7,677.26	29.50	4,182.47	(7,677.26)	4,211.97
5247210000	5247210000	Mayors Council	2,128.14		2,773.53	(2,128.14)	2,773.53
6293410000	6293410000	Office of the Governor	23,906.57		27,947.25	(23,906.57)	27,947.25
8555858369	8555858369	Dept. of Chamorro Affairs (Guam Museum)	22,304.96		24,410.23	(22,304.96)	24,410.23
	1099514147	Dept. of Chamorro Affairs/Repository	427.96		431.43	(427.96)	431.43
Sub Total			3,682,656.09	12,132.22	1,633,028.31	(1,799,266.37)	3,528,550.25
MAYORS							
0637100000	3832327736	Santa Rita Mayor	3,257.76		3,832.73	(3,257.76)	3,832.73
0737100000	9351070242	Ordof/Chalan Pago Mayor	1,824.25		2,109.89	(1,824.25)	2,109.89
1537100000	6393530237	Hagatna Mayor	1,431.24		1,488.22	(1,431.24)	1,488.22
1637100000	3293808984	Piti Mayor	1,030.03		1,166.29	(1,030.03)	1,166.29
1737100000	8715052935	Mongmong/Toto/Maite Mayor	1,253.75		1,493.48	(1,253.75)	1,493.48
2637100000	0492244686	Asan/Maina/Adelup Mayor	673.27		780.39	(673.27)	780.39
2737100000	8433959204	Sinajana Mayor	3,795.28		4,628.30	(3,795.28)	4,628.30
3637100000	8041715847	Dededo Mayor	5,916.68		7,135.12	(5,916.68)	7,135.12
4637100000	7037924246	Yigo Mayor	4,047.11		4,501.01	(4,047.11)	4,501.01
5637100000	7202265287	Umatac Mayor	1,961.14	0.27	1,449.34	(1,961.41)	1,449.34
6537100000	8472200165	Agana His. Mayor	4,585.55		5,083.71	(4,585.55)	5,083.71
6637100000	4469579998	Merizo Mayor	1,447.86		1,277.44	(1,447.86)	1,277.44
6737100000	5763167341	Barrigada Mayors Office	2,317.37		2,508.87	(2,317.37)	2,508.87
7537100000	7247791882	Agat Mayor	1,892.92		2,133.68	(1,892.92)	2,133.68
7637100000	6078244037	Inarajan Mayor	2,279.46		2,650.23	(2,279.46)	2,650.23
8537100000	6957205325	Tamuning Mayor	5,610.84		6,243.12	(5,610.84)	6,243.12
8637100000	1880297633	Talofoto Mayor	2,661.50	1,803.15	2,881.41	(2,661.50)	4,684.56
9537100000	3631627996	Mangilao Mayor	4,310.35		4,493.43	(4,310.35)	4,493.43
9637100000	1837525565	Yona Mayor	1,121.63		1,567.24	(1,121.63)	1,567.24
Sub Total			\$ 51,417.99	\$ 1,803.42	\$ 57,423.90	\$ (51,418.26)	\$ 59,227.05
DPW ACCOUNTS							
4337100000	3045433600	DPW-Village St. Lights	353,948.49		366,016.23	(353,948.49)	366,016.23
5337100000	0930959866	DPW- Primary St. Lights	86,853.86		85,826.92	(86,853.86)	85,826.92
6337100000	3088040552	DPW-Sec/Col St. Lights	25,063.89		25,940.66	(25,063.89)	25,940.66
7337100000	0832698062	DPW-Signal Lights	9,845.44		10,491.91	(9,845.44)	10,491.91
Sub Total			\$ 475,711.68	\$ -	\$ 488,275.72	\$ (475,711.68)	\$ 488,275.72
(B) AUTONOMOUS/PUBLIC CORP							
1437100000	1540692986	Retirement Fund	6,143.65		6,945.71	(13,089.36)	-
1915500000	0563872892	Guam Housing Corp Rental Division	1,156.74	(167.74)	2,146.41	(1,145.19)	1,990.22
2437100000	5434075703	University of Guam	172,383.88	(166.48)	193,255.47	(365,472.87)	-
4237100000	7736362694	Guam Airport Authority	511,312.58		511,356.65	(511,312.58)	511,356.65
5357510000	5357510000	University of Guam (NET METERED)	75,204.86		84,959.76	(160,164.62)	-
6237100000	1699407298	G H U R A	12,014.24	(568.96)	26,420.22	(23,086.84)	14,778.66
6437100000	6518220019	Guam Community College	51,417.74	450.12	54,611.02	(106,068.99)	409.89
7237100000	8302337726	Guam Memorial Hospital	111,810.80	278.02	40,564.42	(111,810.80)	40,842.44
8426836906	8426836906	Guam Memorial Hospital (NET METERED)	423,923.90	1,043.18	147,240.46	(423,923.90)	148,283.64
9137100000	4474308144	Port Authority of Guam	85,535.52		101,251.87	(186,787.39)	-
9157510000	9157510000	Guam Community College (NET METERED)	37,150.48		42,759.95	(79,910.43)	-
9173210000	9173210000	Guam Solid Waste Authority	6,214.43		6,731.67	(6,214.43)	6,731.67
9337100000	0838495949	Guam Waterworks Authority	1,251,914.08	(774.41)	1,384,905.35	(1,251,914.08)	1,384,130.94
8237100000	4075914809	GPA	-	(101,370.53)	101,370.53	-	-
Sub Total			\$ 2,746,182.90	\$ (101,276.80)	\$ 2,704,519.49	\$ (3,240,901.48)	\$ 2,108,524.11
(C) OTHERS							
0337100000	7541928173	Guam Legislature	328.75	1.98	592.33	(923.06)	-
9503154359	9503154359	Guam Legislature (NET METERED)	6,654.34		8,452.44	(15,106.78)	-
1237100000	8353274954	Superior Court of Guam	66,721.35		71,655.65	(66,721.35)	71,655.65
2537100000	8108458168	Guam Post Office (Agana)	6,360.42		6,691.09	(13,051.51)	-
2570200000	8972267005	Customs & Quarantine Agency	864.59		960.75	(864.59)	960.75
3537100000	4530787043	U.S. Post Office	36,698.34		41,510.16	(78,208.50)	-
5537100000	8607446612	Dept. of Military Affairs	70,005.41		79,465.55	(149,470.96)	-
3209463043	3209463043	Dept. of Military Affairs (NET METERED)	13,794.78		15,383.37	(29,178.15)	-
5737100000	6000770566	KGTF	5,663.46		7,358.41	(5,663.46)	7,358.41
7281000000	6602566745	Tamuning Post Office	4,753.22		5,389.08	(10,142.30)	-
Sub Total			\$ 211,844.66	\$ 1.98	\$ 237,458.83	\$ (369,330.66)	\$ 79,974.81

GRAND TOTAL \$ 7,167,813.32 \$ (87,339.18) \$ 5,120,706.25 \$ (5,936,628.45) \$ 6,264,551.94