Gmail

BENJAMIN CRUZ <speaker@senatorbjcruz.com>

GPA WORK SESSION 4/19/18 / MEETING MATERIALS

2 messages

Bernadette Lou Sablan <l.sablan@gpagwa.com> Thu, Apr 19, 2018 at 4:21 PM
To: "Andy Niven (ndynvn@yahoo.com)" <ndynvn@yahoo.com>, Angelica Perez <aperez@amibrokers.com>, Ann Borja - GWA <annborja@guamwaterworks.org>, "Annmarie Muna (amuna@ambrokers.com)" <amuna@ambrokers.com>, Artemio S Perez <aperez@gpagwa.com>, BENJAMIN CRUZ <speaker@senatorbjcruz.com>, "Cameron Mulka (cimiculka@guampdn.com)" <cimiculka@guampdn.com>, "Charlene Calvo (charlene.calvo@ipehq.com)" <charlene.calvo@ipehq.com>, Chilang F Unpingco <cfejeran@gpagwa.com>, "Fred Horecky (horeckylaw@teleguam.net)" <horeckylaw@teleguam.net>, "Gaynor Delano (gdumat-ol@guam.gannett.com)" <gdumat-ol@guam.gannett.com>, Gilda Mafnas <gildam@guamwaterworks.org>, Governor's Office <joy.unpingco@guam.gov>, "Greg P. Cruz" <gpcruz@guamwaterworks.org>, Heidi Ballendorf <heidi@guamwaterworks.org>, "Jams Y Kim (pacguam@gmail.com)" <pacguam@gmail.com>, "Jeff Johnson (jeffcharjohnson@hotmail.com)" <jeffcharjohnson@hotmail.com>, Jennifer G Sablan <jsablan@gpagwa.com>, "Jessica Peterson (webmaster@theguamguide.com)" <webmaster@theguamguide.com>, "Jessy Gogue (ocp.mayor@gmail.com)" <ocp.mayor@gmail.com>, "Joe John Mantanona (joejohnmantanona@gmail.com)" <joejohnmantanona@gmail.com>, "John O'Connor (john@postguam.com)" <john@postguam.com>, "John Reigel (jriegel@brwncald.com)" <jriegel@brwncald.com>, Joyce N Sayama <jsayama@gpagwa.com>, Karla Tydingco <ktydingco@guamwaterworks.org>, "Kevin Kerrigan (kevin@postguam.com)" <kevin@postguam.com>, Kim Garrido <kim.garrido@mec-guam.com>, "Louella Losinio (louella@postguam.com)" <louella@postguam.com>, Manny Apuron <mapuron@guamwaterworks.org>, "Maripaz N. Perez" <mnperez@gpagwa.com>, "Michael White (whitema@cdmsmith.com)" <whitema@cdmsmith.com>, "Nestor Licanto (nestor@kuam.com)" <nestor@kuam.com>, "Patricia L. Diego" <pldiego@gpagwa.com>, "PDN Newsroom (news@guampdn.com)" <news@guampdn.com>, "Peter Montinola (peter@isuguam.com)" <peter@isuguam.com>, Selma HG Blas <sblas@gpagwa.com>, "Telena Nelson (senatortcnelson@gmail.com)" <senatortcnelson@gmail.com>, "Therese Terlaje (senatorterlajeguam@gmail.com)" <senatorterlajeguam@gmail.com>

Hi everyone,

Attached is the pdf file for meeting materials for tonight's GPA Work Session.

Respectfully,

GL# 34-18-1766
Speaker Benjamin J.F. Cruz

APR 20 2018
Time: 10:33 AM PM File No.
Received By:

B. Lou Sablan

Board Secretary

Consolidated Commission on Utilities

Admin Asst., Legal Counsel, GPA

GLORIA B. NELSON PUBLIC SERVICE BLDG.

3RD Floor, Executive Division

688 Route 15, Mangilao, GU 96913

P.O. Box 2977, Hagatna, GU 96932

Tel: (671) 648-3002

Fax: (671) 648-3290

Email: l.sablan@gpagwa.com

Website: http://guamccu.org/

http://guampowerauthority.com/home.html

http://guamwaterworks.org/

2018 APR 20 AM 11:38

1766

GPAWS 4.19.18.pdf
8954K

BENJAMIN CRUZ <speaker@senatorbjcruz.com> Fri, Apr 20, 2018 at 10:33 AM
To: 34th Guam Legislature Clerks <clerks@guamlegislature.org>
Cc: Rennae Meno <rennae@guamlegislature.org>

04/20/18	04/19/18	Guam Power Authority	GPA WORK SESSION 4/19/18 / MEETING MATERIALS. *Emailed	34-18-1766

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OFFICE OF SPEAKER BENJAMIN J.F. CRUZ

Committee on Appropriations and Adjudication

I Mina'trentai Kuattro na Liheslaturan Guåhan

Guam Congress Building | 163 Chalan Santo Papa | Hagatna, GU 96910

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GPAWS 4.19.18.pdf
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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., April 19, 2018

AGENDA

1. **ISSUES FOR DECISION**
   - 1.1 **Relative to Pressure Digger / Resolution 2018-09**
2. **GM REPORT**
   - 2.1 **Updates**
3. **ISSUES FOR DISCUSSION**
   - 3.1 **Energy Cost Overview**
4. **DIVISION REPORTS**
   - 4.1 **Administration: Customer Service, HR, Procurement**
   - 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 – April 20**
6. **ADJOURNMENT**

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

Issues for Decision

Resolution No. 2018-09:

Relative to Authorizing the Guam Power Authority to purchase two Pressure Diggers

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

The objective of the project is to replace salvaged Pressure Diggers and to provide reliable equipment to give the Authority's Transmission & Distribution personnel the capability and capacity to perform new pole installations to support customer growth and to maintain the power system in a safe and efficient manner. Unavailable equipment translates to extended outages and longer response times.

Existing pressure diggers to be salvaged:

Official #	Description	Year	Repair Assessment
1349	Digger(Diamond Rio)	27 years (1991)	Complete replacement of digging unit and engine overhaul.
1535	Digger(Kenworth)	25 years (1993)	Complete replacement of digging unit.

Where is it at?

Pressure Diggers will service the transmission and distribution system island wide.

How much will it cost?

Item	Vendor	Qty	Unit Cost	Extended Cost
Pressure Diggers	Morrico Equipment	2	$516,999.00	$1,033,998.00

When will it be completed?

Delivery is set at 400 days after Notice to Proceed

What is its funding source?

FY17 General Plant Capital Improvement Revenue Funds

The RFP/BID responses:

One bid was received from Morrico Equipment

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

Resolution No. 2018-09

AUTHORIZING THE GUAM POWER AUTHORITY TO PURCHASE TWO PRESSURE DIGGERS

WHEREAS, the Guam Power Authority seeks to procure two new Pressure Diggers to replace existing diggers to be salvaged; and

WHEREAS, the new Pressure Diggers will give the Authority's Transmission & Distribution personnel the capability and capacity to perform new pole installations to support customer growth and to maintain the power system in a safe and efficient manner; and

WHEREAS, two Pressure Diggers within the current fleet are beyond their life expectancies and require extensive repairs on the engines and digging units; and

WHEREAS, the Procurement Officer has provided adequate public announcement to procure two new Pressure Diggers through Bid Invitation No. GPA-055-18 providing the technical specifications for the Pressure Diggers and the information required of each offeror; and

WHEREAS, Morrico Equipment was the sole bidder for GPA's consideration; and

WHEREAS, the GPA Evaluation Committee determined Morrico Equipment to be the only responsive bidder for supply of two Pressure Diggers at a cost of $1,033,998.00; and

WHEREAS, GPA will utilize Revenue Capital Funds to procure the Pressure Diggers; and

WHEREAS, GPA is seeking approval from the Consolidated Commission on Utilities to award a contract to Morrico Equipment for the purchase of two pressure diggers.

NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES, the GOVERNING BODY of the GUAM POWER AUTHORITY as FOLLOWS:

1. After careful consideration, the Consolidated Commission on Utilities finds the procurement of two Pressure Diggers with Morrico Equipment to be reasonable and prudent.
2. The General Manager of the Guam Power Authority is hereby authorized an increase in obligating authority up to $1,033,998.00 for the purpose of procuring two Pressure Diggers from Morrico Equipment.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 20th DAY OF APRIL 2018.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS	**J. GEORGE BAMBA**
Chairperson	Secretary
Consolidated Commission on Utilities	Consolidated Commission on Utilities

I, J. George Bamba, Secretary for the Consolidated Commission on Utilities (CCU), as evidenced by my signature above do certify as follows:

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

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

Number of Invitations Issued: 4
Number of Bids Received: 1

PURCHASES & STORES DIVISION
GUAM POWER AUTHORITY
ABSTRACT OF BIDS

Invitation Number: GPA-055-18
Opening Date: 4-03-18 Opening Time: 2:00 P.M.

Description of Supplies or Services: 2018 PRESSURE DIGGER

	BIDDER	Acceptance Time (Days)	DISCOUNT	ITEM NO.	1.0						
				QTY	2						
				UNIT	EACH.						
				DELIVERY	400 CAL DAYS ARO						
				MFG							
1)	Morrico Equipment: is submitting				$ 516,999-						
	Bid Bond # KIC-19731-B, 15% of			Del	A/S						
	total Bid; certificate of Authority,			Man	Freightliner &						
	major Share Holders, Non-Collusion,				TEREX						
	no gratuities or kickbacks, Ethical			Make	Freight Leiner						
	standard - wage determination,			Mod	M2112 & A330						
	Sex offender, Local procurement,			Year	2019						
	Business License & Litirate										

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 hereon.

(Signature)

Tabulated By

Date: 04/03/18

APPROVAL OF AWARD(S) (Bidder(s) and Price(s) circled above)

BASIS FOR AWARD

- ☐ Lowest Responsive Bidder
- ☐ Tie Bid
- ☐ Only Bid
- ☐ Other Than Lowest Responsive Bidder (See explanation on reverse hereof or attached)

Number of Awards (Contractors)

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

TO: **Consolidated Commission on Utilities**

FROM: **General Manager**

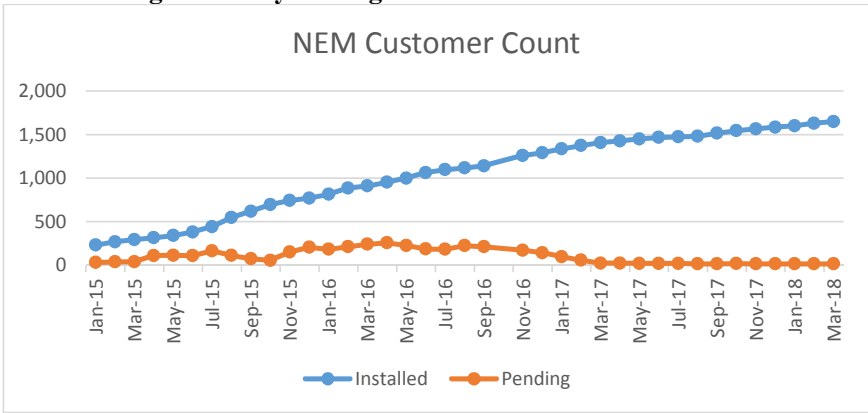
DATE: **April 19, 2018**

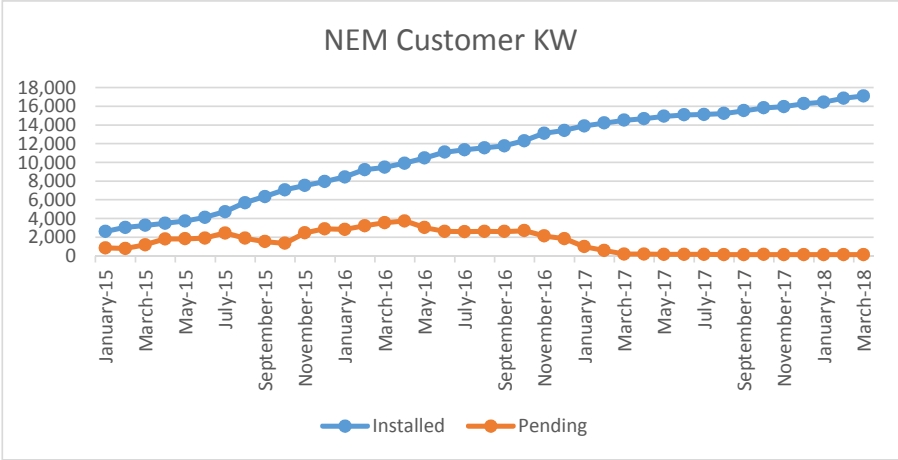
SUBJECT: **General Manager's Report**

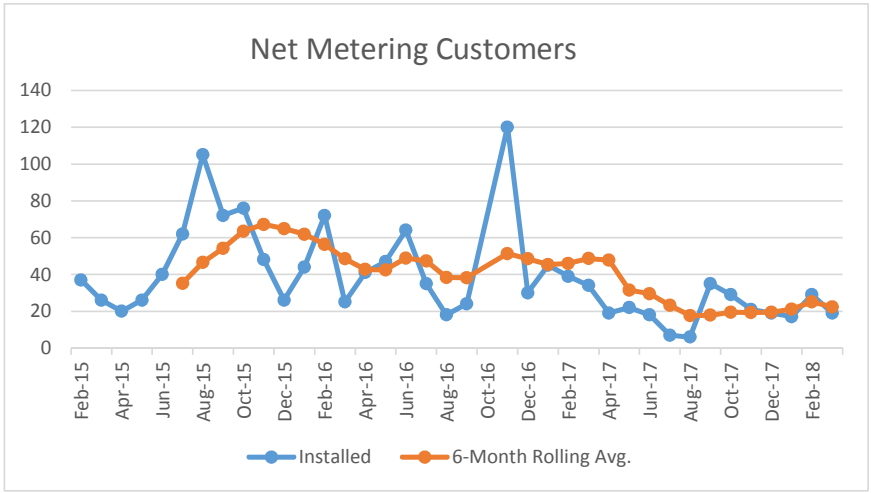
1. **Generation System Update:** The following summarizes the expected generation capacity situation for May 2018. The peak demand for May is estimated at 254 MW. GPA is scheduling the chemical cleaning of the Cabras 1 steam boiler for the end of May. The system is now heading into the higher peak months of the summer. Last year, the peak demand was 261 MW on August 1, 2017.

May 2018 Projected Capacity:	**373 MW**
May 2018 Projected Demand	**254 MW**
Projected Reserve Margin	**119 MW**

2. Net Metering Summary Ending March 2018:







3. Renewable Energy Production Summary Thru March 2018:

Energy Production Source:	Kwh	Oil Barrels Avoided	Fuel Cost Avoided
NRG Total Production beginning Oct 2015	120,289,445	201,126	$11,061,931
Net Metering Estimated Production beginning Jan 2015	59,160,124	98,917	$5,440,421
Wind Power Production beginning Jan 2016	895,916	1,498	$82,389
Renewables Total:	**180,345,485**	**301,541**	**$16,584,741**

4. Demand Side Management (DSM) Program Expenses Thru March 2018.

All Expenses – Fiscal Year

Description	FY16	FY17	FY18 as of March 31	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$9,540.94	$43,145.74
Other Contractual	$28,278.50	$73,010.05	$2,885.00	$104,173.55
Bank Fees	$155.00	$1,032.06	$190.00	$1,377.06
Paid Rebates– Split AC	$154,700.00	$557,275.00	$552,925.00	$1,264,900.00
Paid Rebates– Central AC	$3,400.00	$8,200.00	$800.00	$12,400.00
Paid Rebates– Washer/Dryer	$2,800.00	$7,425.00	$3,800.00	$14,025.00
Total Expenses	$200,682.30	$669,198.11	$570,140.94	$1,440,021.35

SUMMARY

DESCRIPTION	AMOUNT
Initial DSM Budget FY'16	$1,806,014.00
Interest Income as of Mar 18	$3,900.94
Total Expense	$1,440,021.35
Ending Balance as of Mar 18	$369,893.59
Addtl. Budget: Approved (FY'18)	$1,139,189.00
Total Ending Balance as of Apr 18:	**$1,509,082.59**

5. **Net Metering Customer Credit Recommendation:** The last public hearing on Net Metering was conducted on April 18, 2018. Marianas Renewable Energy presented their Value of Solar Study. GPA will now proceed in providing the CCU with its analysis and recommendation at the May work session.

6. **Phase II Renewables:** The PUC has approved the entire 120 MW of PV Renewables by KEPCO and HANWHA. GPA would now proceed to sign a Power Purchase Agreement with each of these companies.

7. **Phase III Renewables Bid**: The bid has been issued. The bid request is for about 40MW of solar PV renewables to be constructed on Navy leased land. The energy produced would be stored in batteries during the day and released at nighttime to meet peak time load. The technical proposals are required by June 19, 2018. The opening date of prices of acceptable technical proposals has been set for August 1, 2018.

8. **PUC March 29, 2018 regular meeting resulted in the following:**
    - **Docket 18-06, Petition to Approve Phase II Renewable Award to KEPCO-LG CNS Consortium (approved)**
    - **Docket 18-08, Petition to Approve Phase II Renewable Award to HANWHA ENERGY CORPORATION (approved)**
    - **GPA Docket 18-09, Petition to Increase EPCM Contract (approved $600,000)**
    - **GPA Docket 18-10, Petition to Approve Contract Extension for Tristar Terminals Guam, Inc. (Dock Fees approved; Pipeline part require additional information)**
    - **GPA Docket 18-11, Petition to Approve GPA's Use of Bond Financing Savings for GPA's "Bringing Energy Savings to Schools" (BESTS) and Demand Side Management Program (approved)**

    Dockets to be considered at the April 26th PUC meeting:
    - **GPA Docket 18-12, Petition to Approve Invitation for Bid (IFB) for Property Insurance**
    - **GPA Docket 18-13, Petition to Approve the Piti 8 & 9 Contract Extension with Marianas Energy Corporation**

9. **New Power Plant Procurement:**

    - The rezoning of the land for the new power plant is still pending Legislative action. It seems Bill 223-34 would be brought up for deliberation at next week's session. The land rezoning is the critical path at this point for construction of the new power plant.
    - Multi-Step Bid Invitation No. 034-18 was opened on April 5, 2018. Eighteen (18) proponents submitted their technical and financial information. The evaluation team should have a short list of proponents which met the required financial and technical experience delineated in the bid by the end of April 2018. The short-listed proponents would be provided the technical specifications for them to prepare their technical and priced proposals over the next several months which is the next step of the process.

10. **Standard & Poor's Rating:** Our bond rating was not changed despite the situation of the Government of Guam. They did note that they will be monitoring negative Government impact on receivables which certainly will trigger a negative action.

11. **GPA's 50th Anniversary Celebration:** The proclamation signing is scheduled for May 8, 2018 in the CCU conference room. The proclamation kicks off our 50th anniversary program.

12. **Energy Storage System (ESS) Commissioning:** The Hagatna 24 MW and Talofofo 16 MW ESS is on schedule for commissioning in August 2018. These batteries will significantly improve power quality in the system in addition to helping reduce short term outages cause by generating and renewable PV trips. There will also be a reduction in fuel operating cost resulting from not having to run combustion turbines to provide spinning reserves during daytime hours.

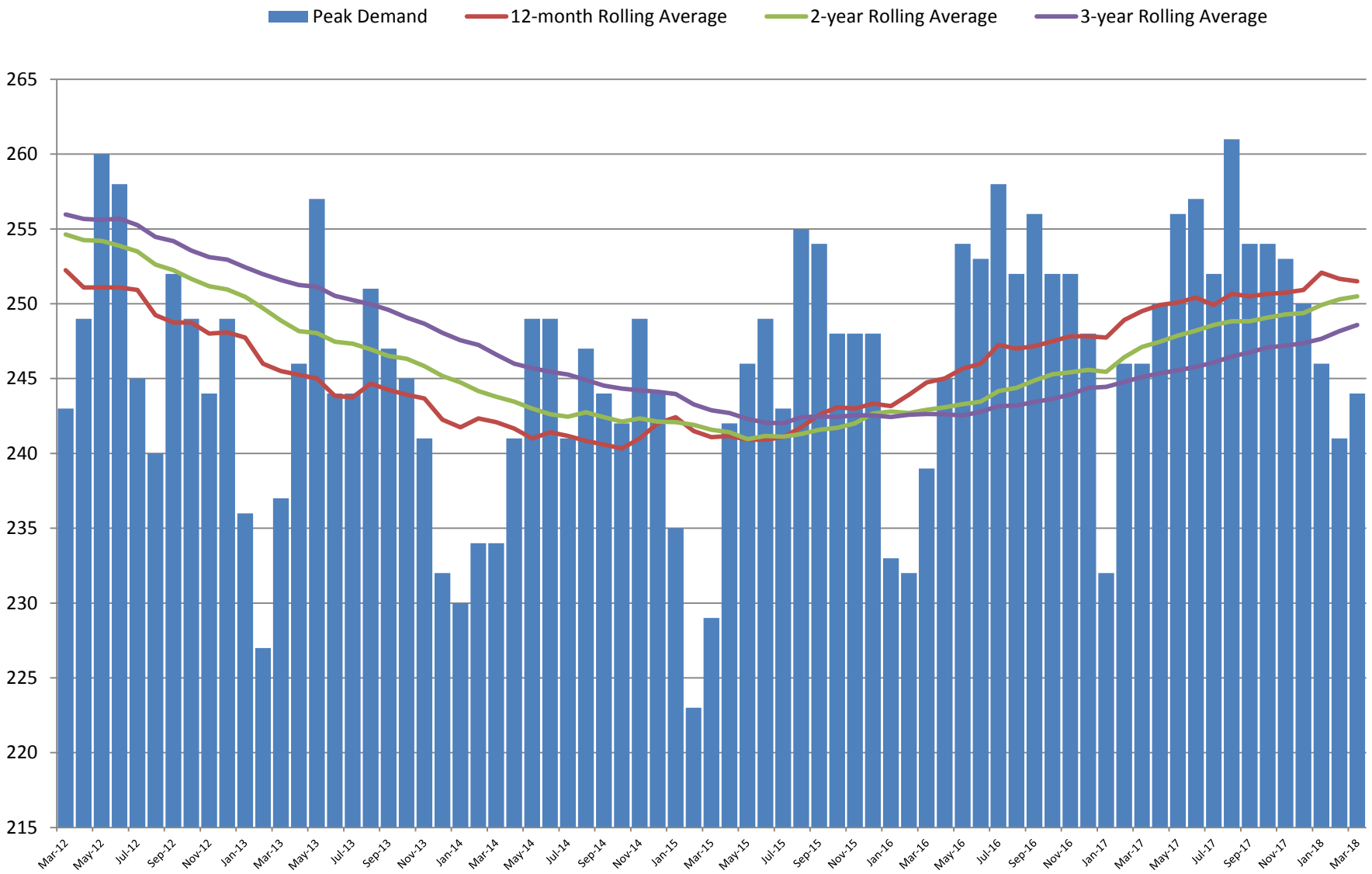
13. **Supervisory Control and Data Acquisition (SCADA) Commissioning:** The new SCADA system in Fadian is on track for commissioning in October 2018. The new system is the latest technology for the GPA power and GWA water and wastewater system. The factory testing of the system's major component is scheduled for early May in Taiwan.

14. **BEST SCHOOLS Program:** A kickoff meeting was held with GDOE Superintendent Jon Fernandez on April 2, 2018. The contract to conduct the evaluation of the GDOE schools has been signed. GPA should have the study and make its appropriate recommendations within the next 4 months.

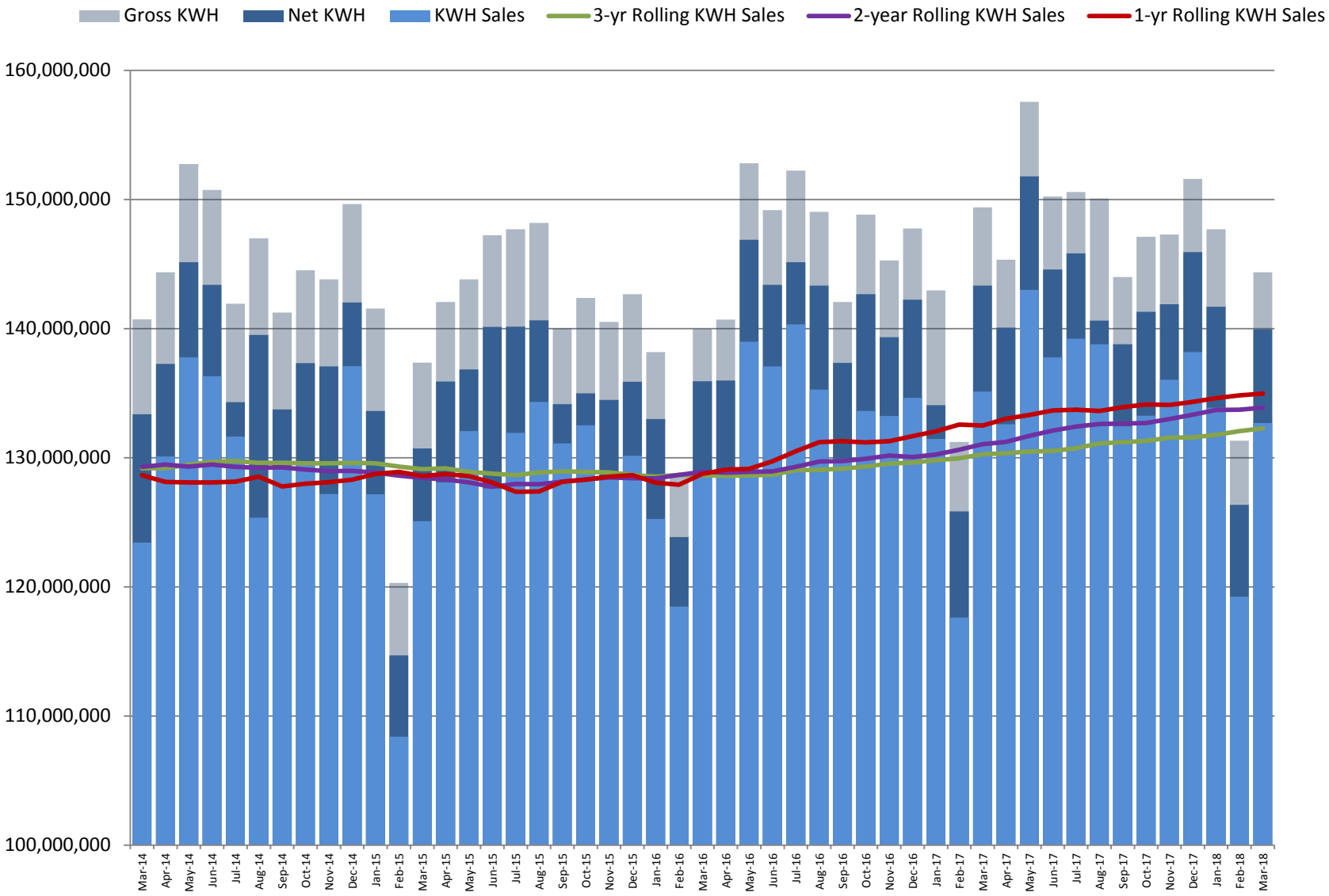
15. **Key Performance Indicators:** The following are updated indicators thru March 2018. Sales continued to be strong. Fuel oil prices have risen but have been remaining in the $60 to $70 per bbl. range.

John M. Benavente, P.E.

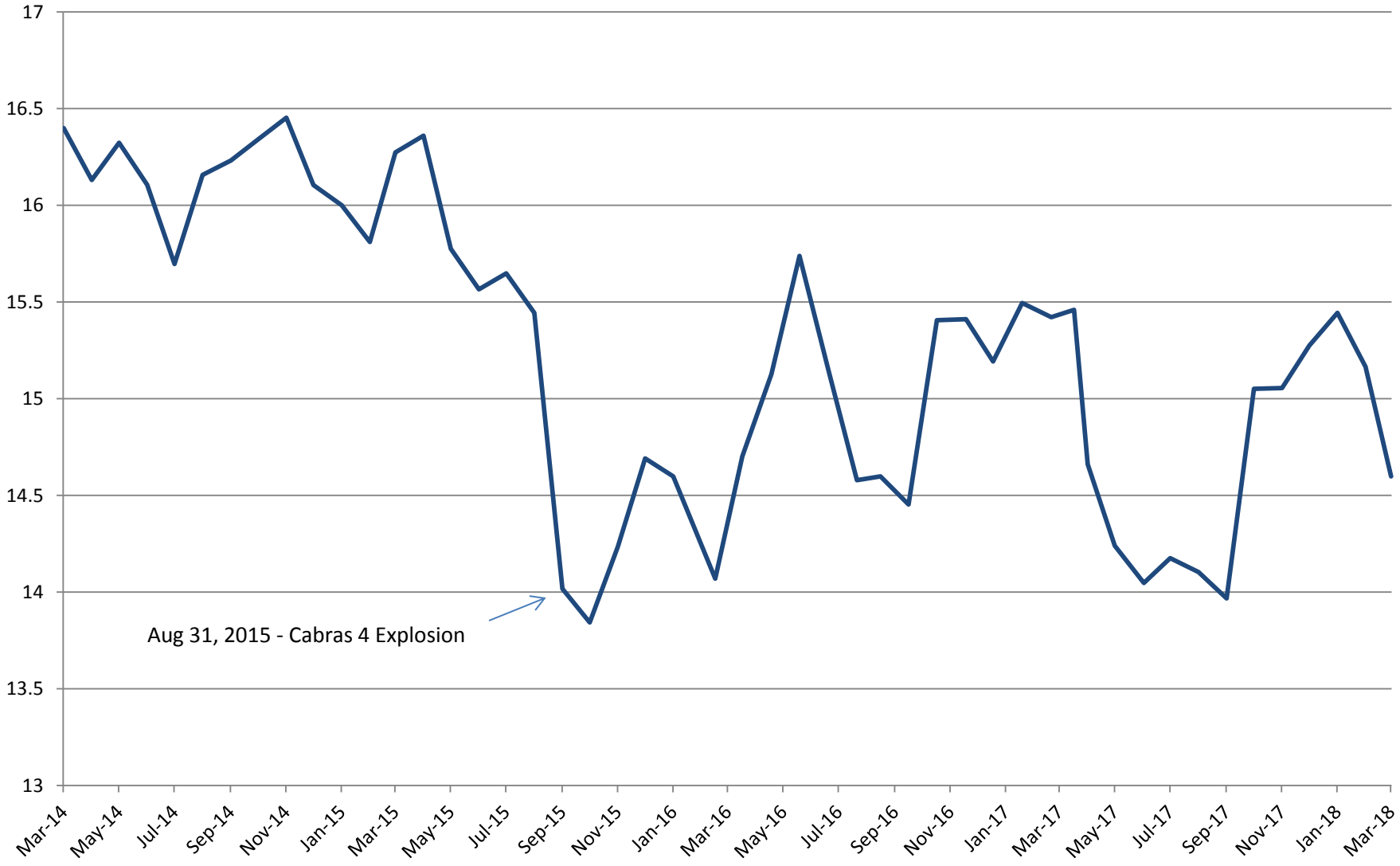
Historical Monthly Peak Demand
March 2012 - March 2018



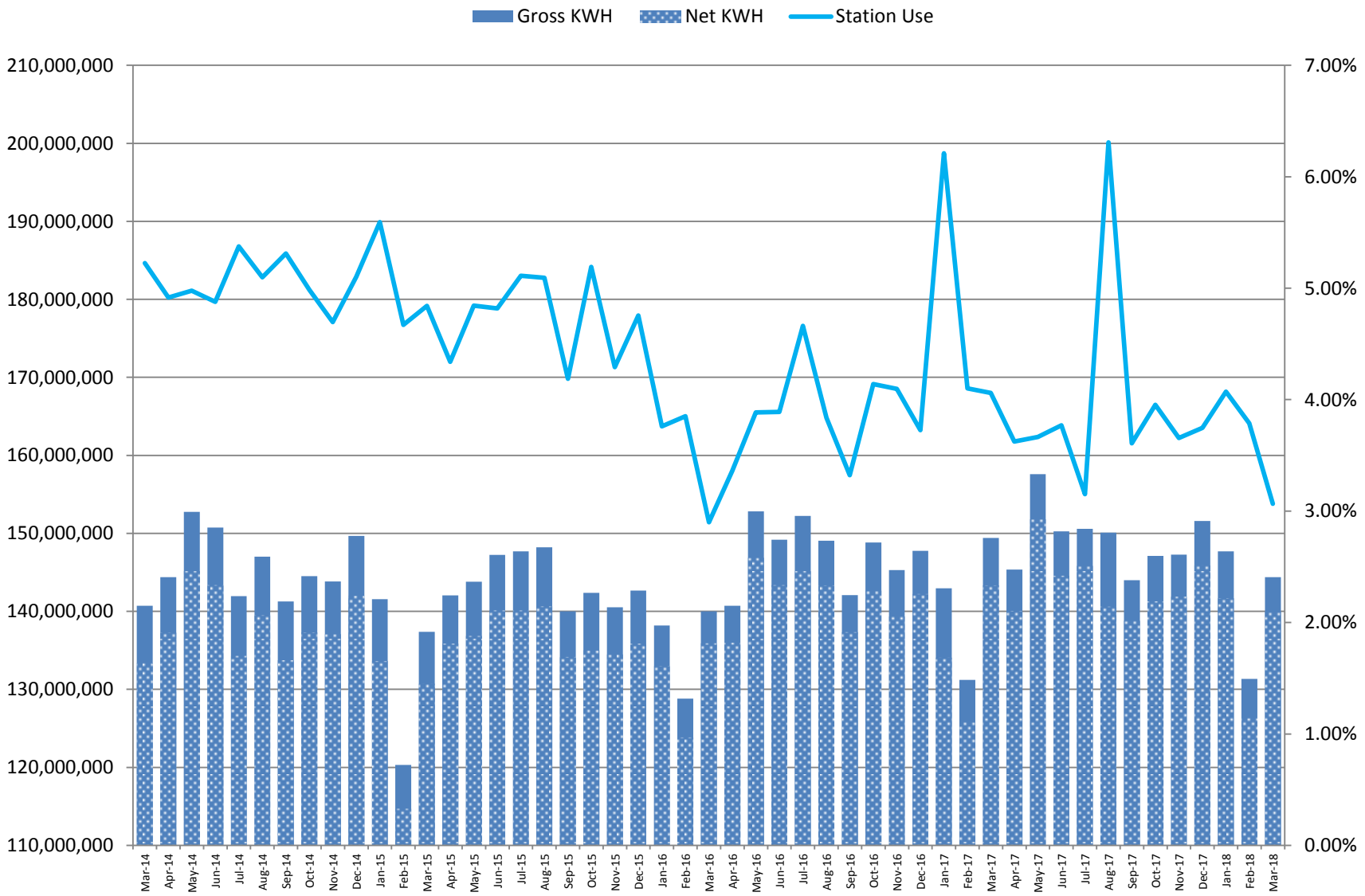
Historical KWH Sales
March 2014 - March 2018



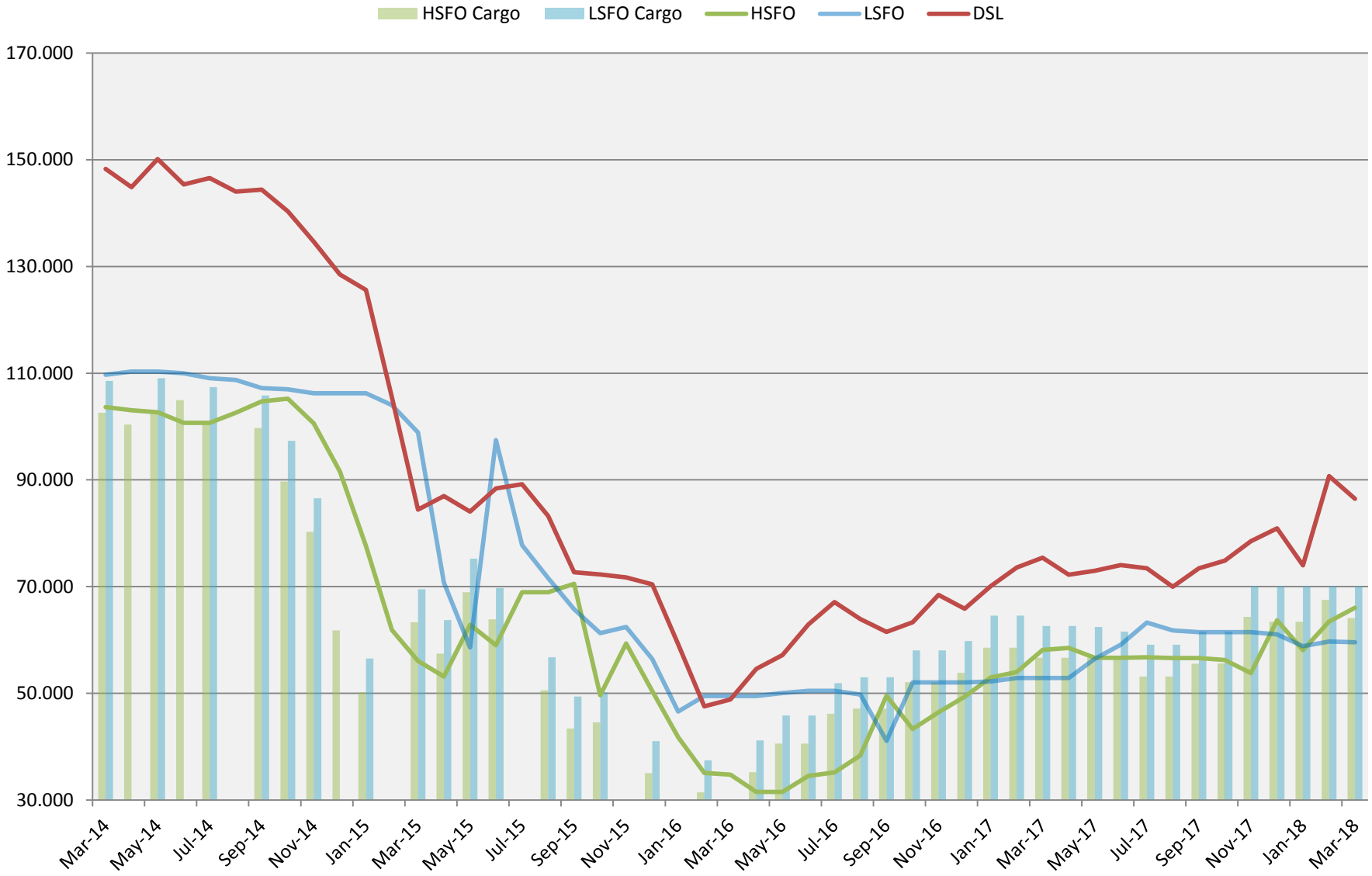
SYSTEM GROSS HEAT RATE
(KWH/Gal)
March 2014 - March 2017



Gross and Net Generation (KWH)
March 2014- March 2018



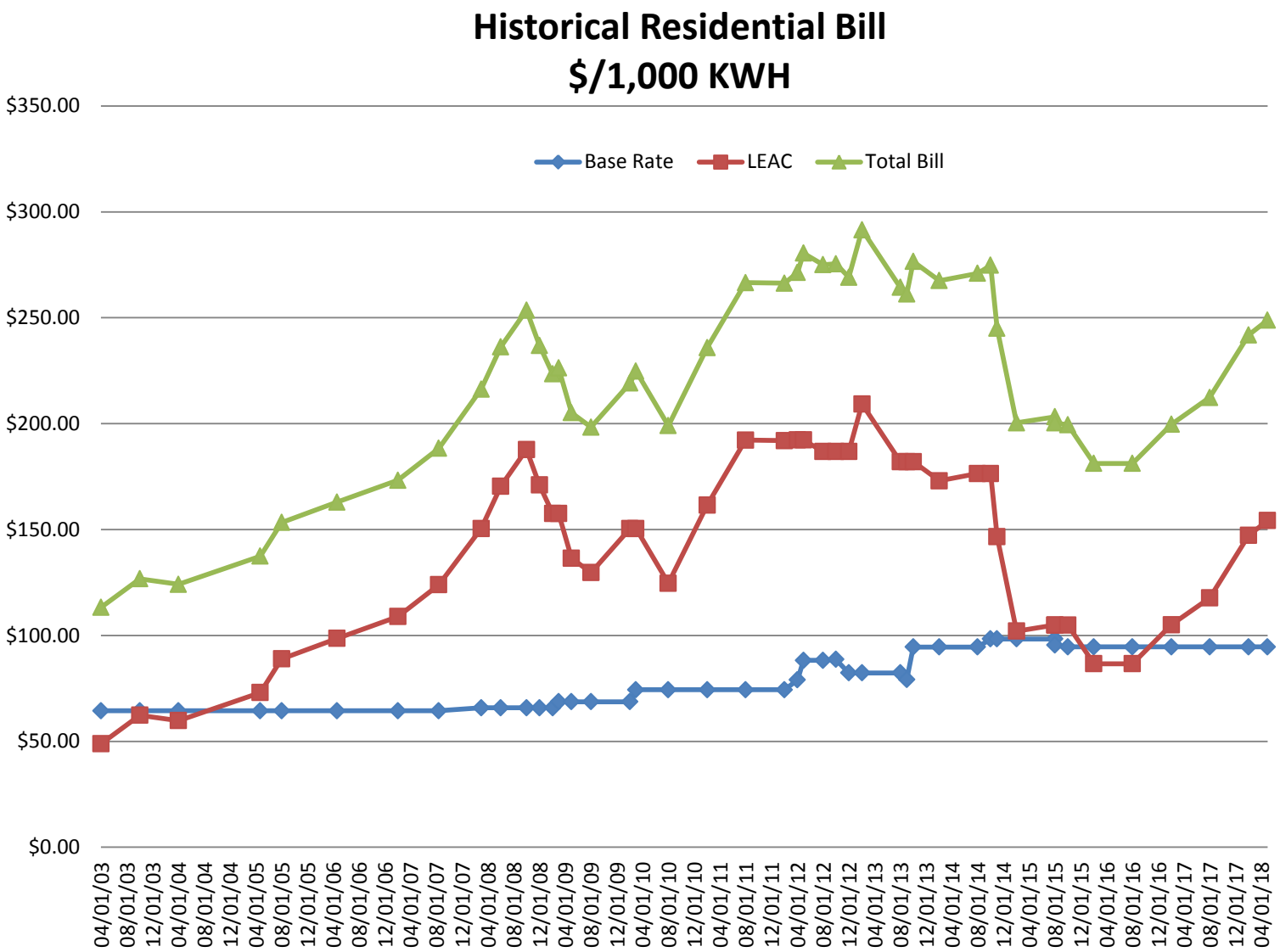
Fuel Cargo and Fuel Consumption Costs ($/bbl)
March 2014 - March 2018



Guam Power Authority

Energy Cost Overview

April 19, 2018


Historical Residential Bill
$/1,000 KWH
Base Rate
LEAC
Total Bill
$350.00
$300.00
$250.00
$200.00
$150.00
$100.00
$50.00
$0.00
04/01/03
08/01/03
12/01/03
04/01/04
08/01/04
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04/01/18

185 MW of Power Purchase Agreements (PPA)

Projected Commissioning NLT 2021

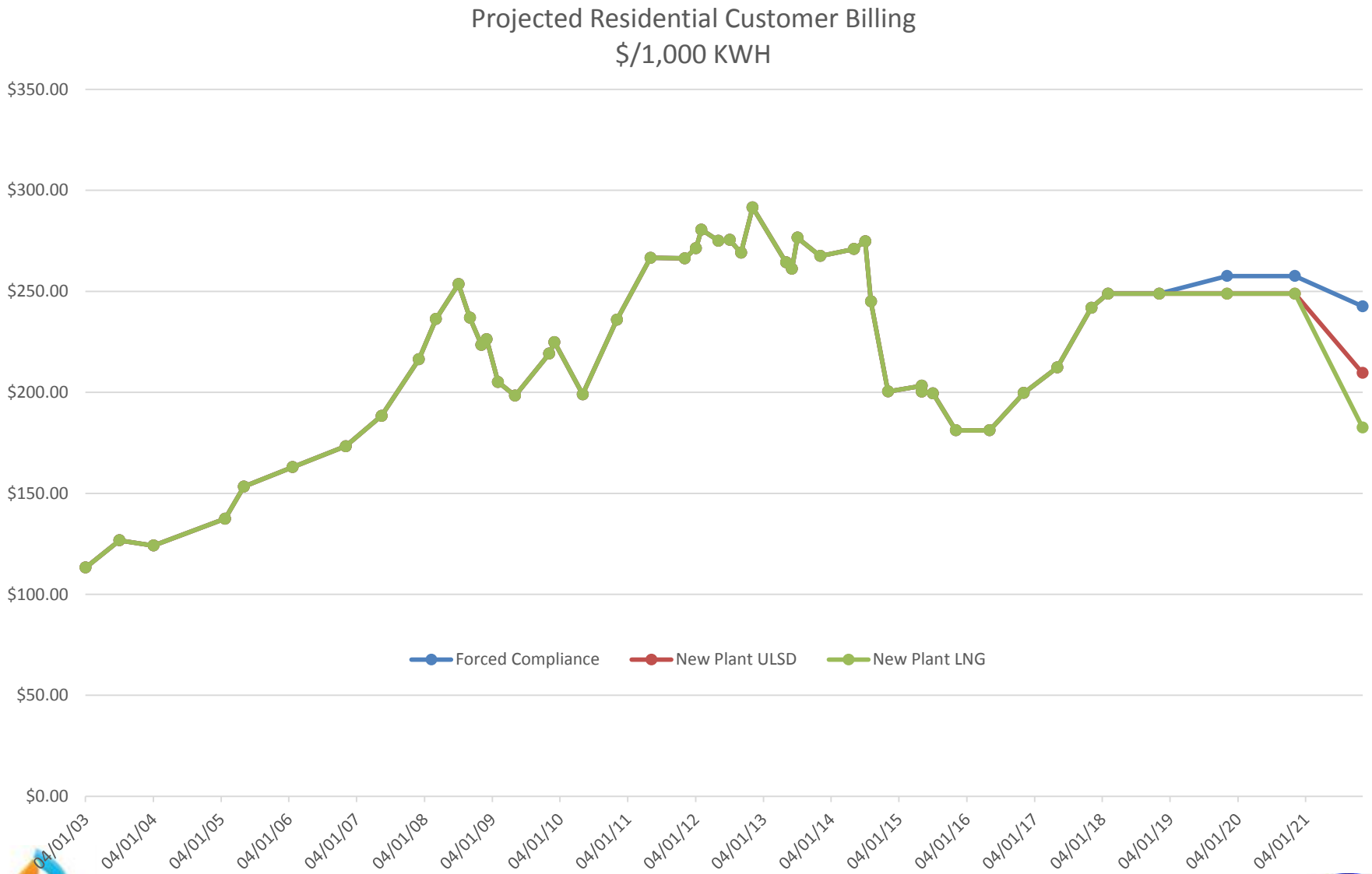
- Power Purchase agreement with KEPCO-LG-CNS Mangilao Solar, LLC for 60 MW of Solar PV, 25 Year contract at $0.0855/KWH with an annual escalator of 1 %.
- Power Purchase agreement with HANWHA for 60 MW of Solar PV, 25 Year contract at about $0.0825/KWH with an annual escalator of 1 %.
- Phase III Bid for 40 MW Solar PV on Navy Land for full load shifting, estimated at $0.12/KWH with an annual escalator of 1%

Cost and Savings Per Scenario

FY 2018 Fuel Oil Prices:
$65/Barrel - Residual Fuel Oil (RFO)
$85/Barrel - Ultra Low Sulfur Diesel (ULSD)
$58/Barrel – Natural Gas Price Equivalent

SCENARIO	ANNUAL FUEL COST	(COST)/SAVINGS ($)	AVG $/kWh	OIL BARRELS CHANGE
Existing Generation Mix	$195,108,397		$0.121	
USEPA Forced Compliance Excluding Penalties	$246,351,059	**$51,242,662**	$0.153	**127,917**
New Power Plant (ULSD + 180 MW Renewables)	**$185,399,918**	**$9,708,478**	**$0.115**	**986,633**
New Power Plant (Natural Gas + 180 MW Renewables)	**$140,881,640**	**$54,226,756**	**$0.088**	**2,551,538**

5

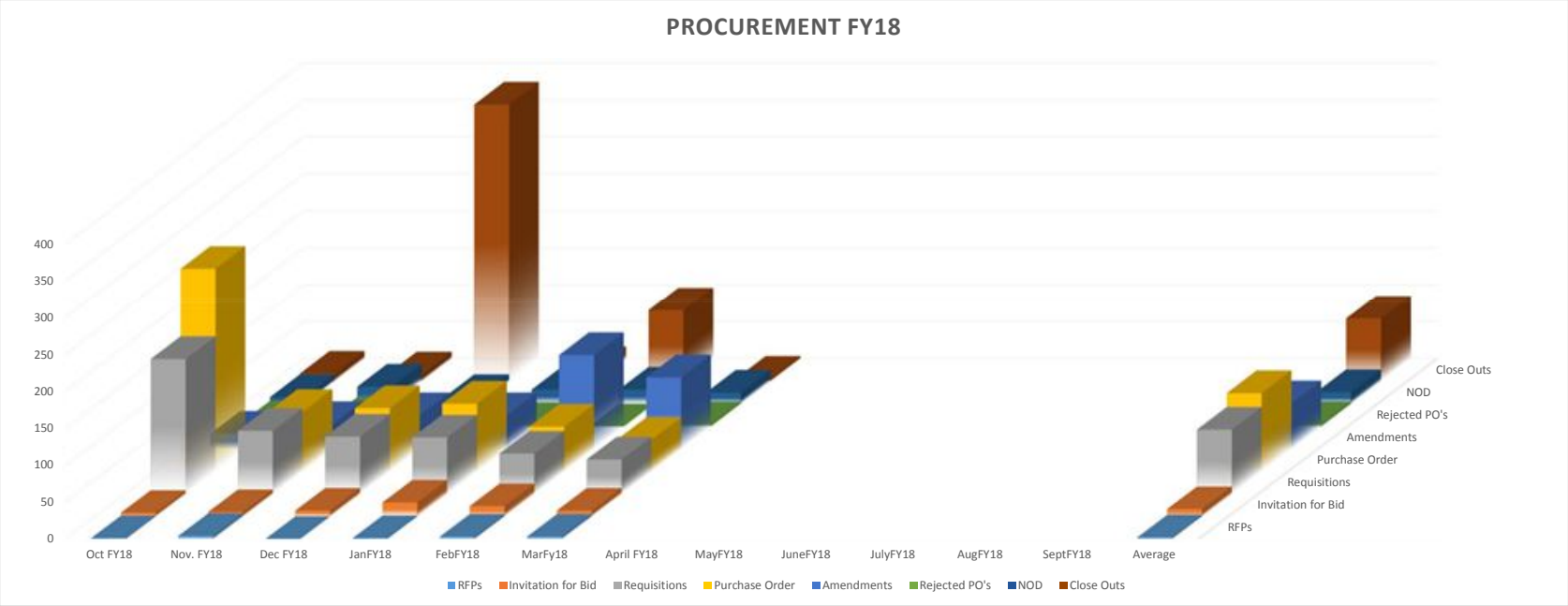

Projected Residential Customer Billing
$/1,000 KWH
$350.00
$300.00
$250.00
$200.00
$150.00
$100.00
$50.00
$0.00
Forced Compliance
New Plant ULSD
New Plant LNG
04/01/03
04/01/04
04/01/05
04/01/06
04/01/07
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04/01/21

This table is provided to show that without a new power plant, GPA will not be able to meet load growth by 2022. Furthermore, as shown, because we lack adequate base load capacity, GPA's fuel related cost to provide additional energy to new customers will continue to drive its total energy cost higher because energy production would come from costlier less efficient standby units. The lack of new units which could work with intermittent renewables will result in limited solar PV additions into the grid thereby limiting cost saving opportunities.

Summary of System Generating Capacity With No New Baseload					**With New 180MW**
Description (MW)	**FY 2015**	**FY2017**	**FY2018**	**FY2021**	**FY2022**
Baseload Capacity	299	208	208	208	268
Emergency/Standby Capacity	120	200	200	200	200
Total Capacity	**419**	**408**	**408**	**408**	**468**
Peak Demand (Customer Requirement)	249	261	266	283	283
Reserve Margin (Balance between Capacity and Requirement)	170	147	142	125	185
Loss of Two Largest Units (Overhaul + Forced Outage)	(132)	(120)	(120)	(120)	(88)
Reserve After Loss of Two Largest Units	**38**	**27**	**22**	**5**	***97**
Utility Scale Renewables Capacity (MW)	**0**	**25**	**25**	**185**	**185**
% Energy from Baseload	98.0%	80.0%	62.2%	62.2%	**72.6%**
% Energy from Renewables	**0.0%**	**3.5%**	**3.5%**	**26.4%**	**26.4%**
% Energy from Emergency/Peaker	2.0%	16.5%	16.5%	11.4%	1.0%

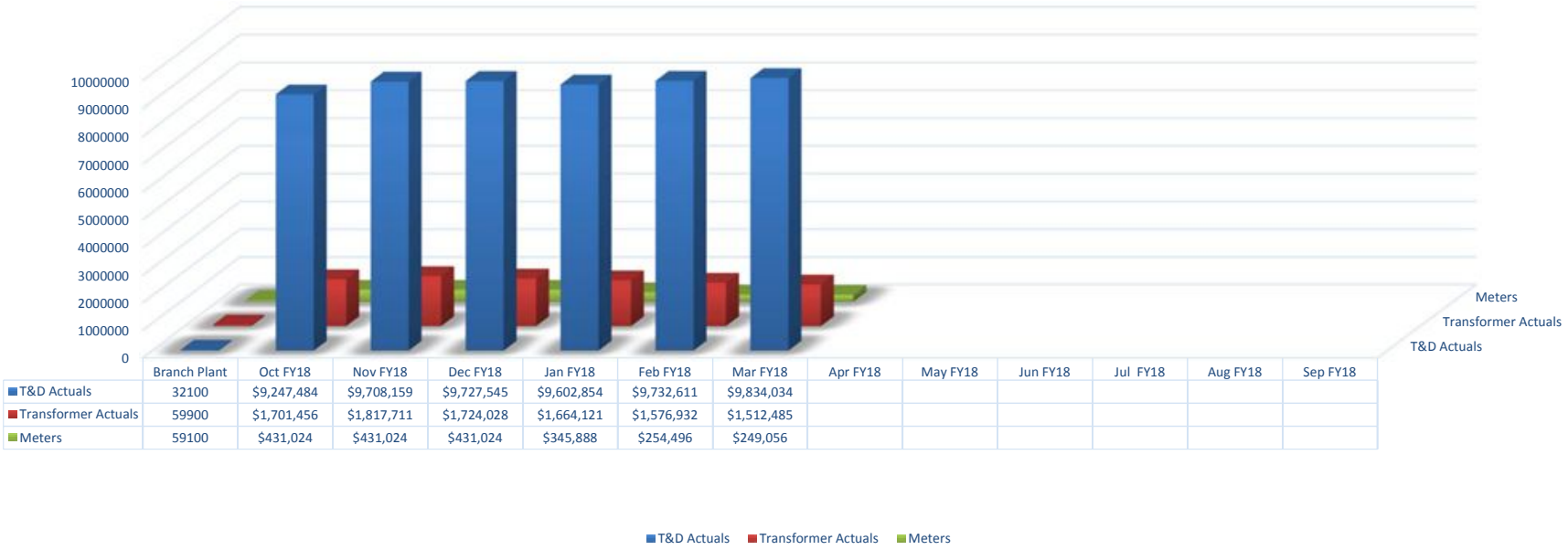
Summary

- GPA Approved to contract for 120 MW of Solar PV Renewables
- Phase III Renewables award later this year at estimated $0.12/kWh
- USEPA would most likely force compliance by converting existing units to ULSD within a 2 year timeframe if we don't contract for a new power plant soon. We will need to fund conversion in addition to experiencing higher LEAC cost.
- The highest monthly residential bill for the average 1,000 KWH consumer has been about $291. Our near term plans could drop bill as low as $182.
- GPA plants are aged and the Cabras units are constantly having boiler tube leaks. We will need to spent millions to keep units running.
- GPA needs new base load units to provide reliable and low cost energy.
- GPA needs new fast reacting flexible generation units in order to incorporate low cost renewable energy to hedge against rising fuel cost.

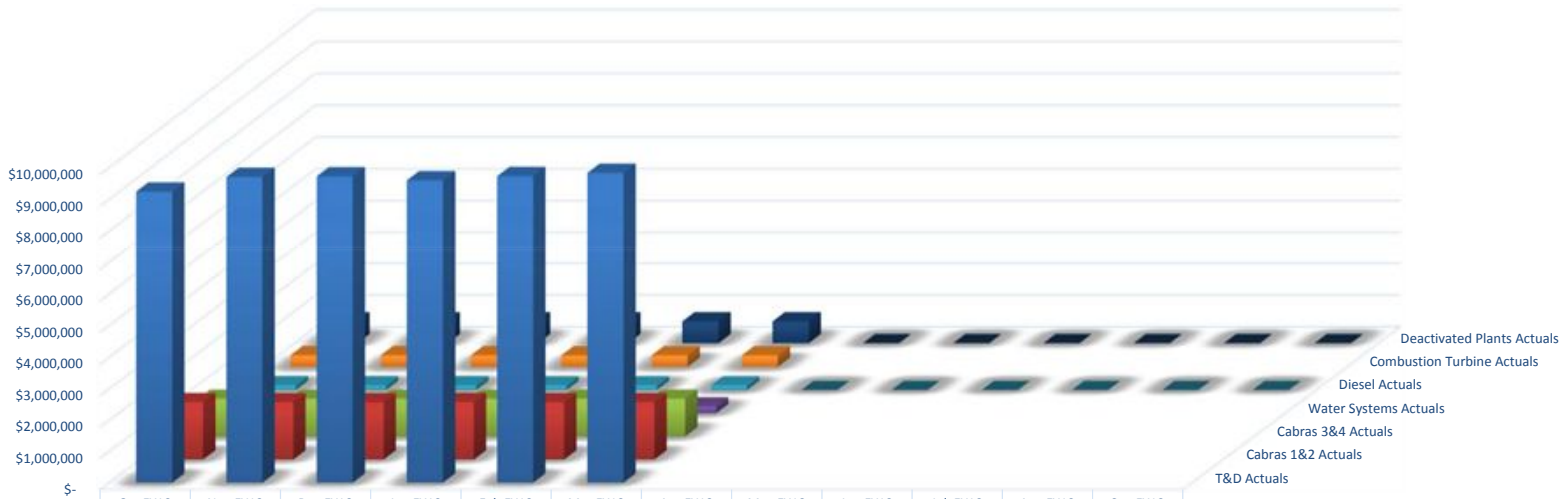


	Oct FY18	Nov. FY18	Dec FY18	JanFY18	FebFY18	MarFy18	April FY18	MayFY18	JuneFY18	JulyFY18	AugFY18	SeptFY18	Average
RFPs	1	4	0	1	3	3							2
Invitation for Bid	5	6	8	19	14	8							10
Requisitions	183	86	78	77	55	47							87.6666667
Purchase Order	275	81	86	92	61	43							106.333333
Amendments	**21**	**34**	**46**	**46**	**127**	**97**							61.8333333
Rejected PO's	4	9	0	2	0	3							3
NOD	9	23	9	19	19	15							15.6666667
Close Outs	10	9	374	16	96	3							84.6666667

T&D Inventory Actuals FY18



	Branch Plant	Oct FY18	Nov FY18	Dec FY18	Jan FY18	Feb FY18	Mar FY18	Apr FY18	May FY18	Jun FY18	Jul FY18	Aug FY18	Sep FY18
T&D Actuals	32100	$9,247,484	$9,708,159	$9,727,545	$9,602,854	$9,732,611	$9,834,034						
Transformer Actuals	59900	$1,701,456	$1,817,711	$1,724,028	$1,664,121	$1,576,932	$1,512,485						
Meters	59100	$431,024	$431,024	$431,024	$345,888	$254,496	$249,056						



	Oct FY18	Nov FY18	Dec FY18	Jan FY18	Feb FY18	Mar FY18	Apr FY18	May FY18	Jun FY18	Jul FY18	Aug FY18	Sep FY18
T&D Actuals	$9,247,484	$9,708,159	$9,727,545	$9,602,854	$9,732,611	$9,834,034						
Cabras 1&2 Actuals	$1,838,876	$1,836,965	$1,834,553	$1,842,443	$1,838,940	$1,835,929						
Cabras 3&4 Actuals	$1,206,713	$1,206,713	$1,206,713	$1,206,713	$1,206,713	$1,206,713						
Water Systems Actuals	$207,668	$209,651	$208,493	$213,138	$219,682	$221,943						
Diesel Actuals	$150,427	$150,427	$150,427	$150,165	$150,165	$149,915	$-	$-	$-	$-	$-	$-
Combustion Turbine Actuals	$365,514	$365,514	$365,514	$360,344	$360,255	$360,255						
Deactivated Plants Actuals	$687,989	$687,989	$687,989	$687,989	$687,989	$687,989	$-	$-	$-	$-	$-	$-

CUSTOMER SERVICE DIVISION - Mar 2018

SUMMARY REPORT

SITE	Less than 10 Mins.	%	10-15 Mins.	%	15-30 Mins.	%	30-45 Mins.	%	TOTAL	Location %
GBN	1,990	85%	186	8%	142	6%	31	1%	2,349	27%
HAGATNA	2,503	68%	558	15%	462	13%	158	4%	3,681	42%
UPPER TUMON	1,987	73%	325	12%	268	10%	133	5%	2,713	31%
TOTAL:	6,480	74%	1,069	12%	872	10%	322	4%	8,743	100%

Government Accounts Receivable: CSD reports invoices for the month of Feb 2018, for 73 active government accounts with an overall total of $4,704,401.42. 69 accounts were current (95%), 4 accounts arrears (5%). 8 fax/emails issued to government accounts totaling $1,942,614.84. Feb 2018 invoices, 67 accounts paid in full.

CREDIT AND COLLECTION

Delinquent Ratio: As of March 2018 the authority reported a total 48,452 active customers. The "Delinquent Ratio" was recorded at 7.57% with 3,668 total delinquent accounts, total arrears of 2,403,260.01; 1,736,806.52; 3,639 (7.51% / 28-45 days) category; 263,332.95; 308 (0.64%/ 46-60 days); and 36,193.08; 47 (0.10% / Over 90 days).

Bankruptcy: During Mar 2018 the Bankruptcy reports seven (7) customer accounts filed, totaling $1,205.46. Chapter 7, six (6) $1,043.26; Chapter 13, one (1) $162.20.

Damage Claim: The Damage claim committee received one (1) Damage claim at $350.00 for the month of Mar 2018.

COMMAND CENTER

Meter Changed Outs: For the month of Mar 2018, there were a total of forty-four (44) meters changed outs due to defective meter non-communicating.

ACTIVE DELINQUENT – NON PAYMENT

COMMAND CENTER /DISCONNECTIONS/RECONNECTIONS/

Single Phase Meters: Credit and Collection issued orders to Command Center to perform remote disconnect/reconnect for a total of 1,192 customers; 549(46%) were disconnected; 635(53%) deferred; 8(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; 2(8%) were disconnected; 21(81%) deferred; 3(11%) incompletes.

FY 2018 (Mar 01-31,2018)

	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
Mar-18	1,218	551	656	1,207 99%	11	45%	54%	1%
Feb-18	1,417	662	742	1,404 99%	13	47%	52%	1%
Jan-18	1,457	797	634	1,431 98%	26	55%	44%	1%
1st	3,890	2,237	1,646	3,883 100%	7	58%	42%	0%
TOTAL:	7,982	4,247	3,678	7,925 99%	57	53%	46%	1%

FY 2017 (October 01, 2016 – September 30, 2017)

QTR	Scheduled	Disc	Deferred	Complete Vs. Scheduled	Incomplete Disconnections	Disc Vs. Scheduled	Deferred Vs. Scheduled	Incomplete Vs. Scheduled
4th	3,621	2,067	1,553	3,620 100%	1	57%	43%	0%
3rd	4,021	2,683	1,332	4,015 100%	6	67%	33%	0%
2nd	5,125	3,053	2,055	5,108 100%	17	60%	40%	0%
1st	10,187	5,462	4,689	10,151 100%	36	54%	46%	0%
TOTAL:	22,954	13,265	9,629	22,894 100%	60	58%	42%	0%

This concludes the Summary Report for Customer Service Division for the month of March 2018.

Respectfully submitted,

Marissa Fernandez

Marissa Fernandez, Admin. Officer

Reviewed / Approved by:

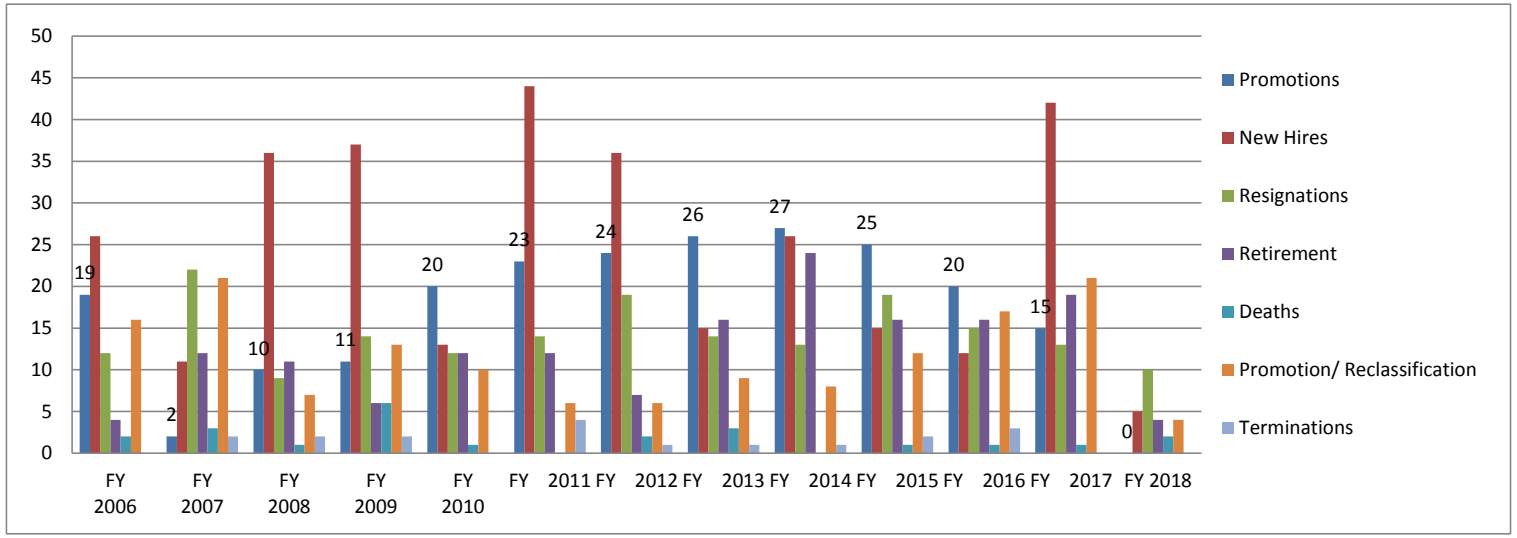
Mercy A. F. Castro, USA

RECRUITMENT ANALYSIS

Fiscal Year	Promotions	New Hires	Resignations	Retirement	Deaths	Promotion/ Reclassifi-cation	Termina-tions	Total Author-ized FTE	Attrition Rate	Total Filled FTE at end of Fiscal Year	Percentage of Filled FTE at end of Fiscal Year
2006	19	26	12	4	2	16	0	584	3.3%	536	91.8%
2007	2	11	22	12	3	21	2	584	7.2%	510	87.3%
2008	10	36	9	11	1	7	2	592	4.5%	525	88.7%
2009	11	37	14	6	6	13	2	592	5.3%	534	90.2%
2010	20	13	12	12	1	10	0	592	4.7%	522	88.2%
2011	23	44	14	12	0	6	4	592	5.7%	536	90.5%
2012	24	36	19	7	2	6	1	568	5.4%	543	95.6%
2013	26	15	14	16	3	9	1	568	6.3%	524	92.3%
2014	27	26	13	24	0	8	1	568	7.3%	512	90.1%
2015	25	15	19	16	1	12	2	539	7.4%	489	90.7%
2016	20	12	15	16	1	17	3	510	7.2%	466	91.4%
2017	15	42	13	19	1	21	0	510	7.1%	476	93.3%
2018	0	5	10	4	2	4	0	510	3.4%	465	91.2%

Recruitment Analysis (FY 2018) ..1 of 2

as of 03/31/18

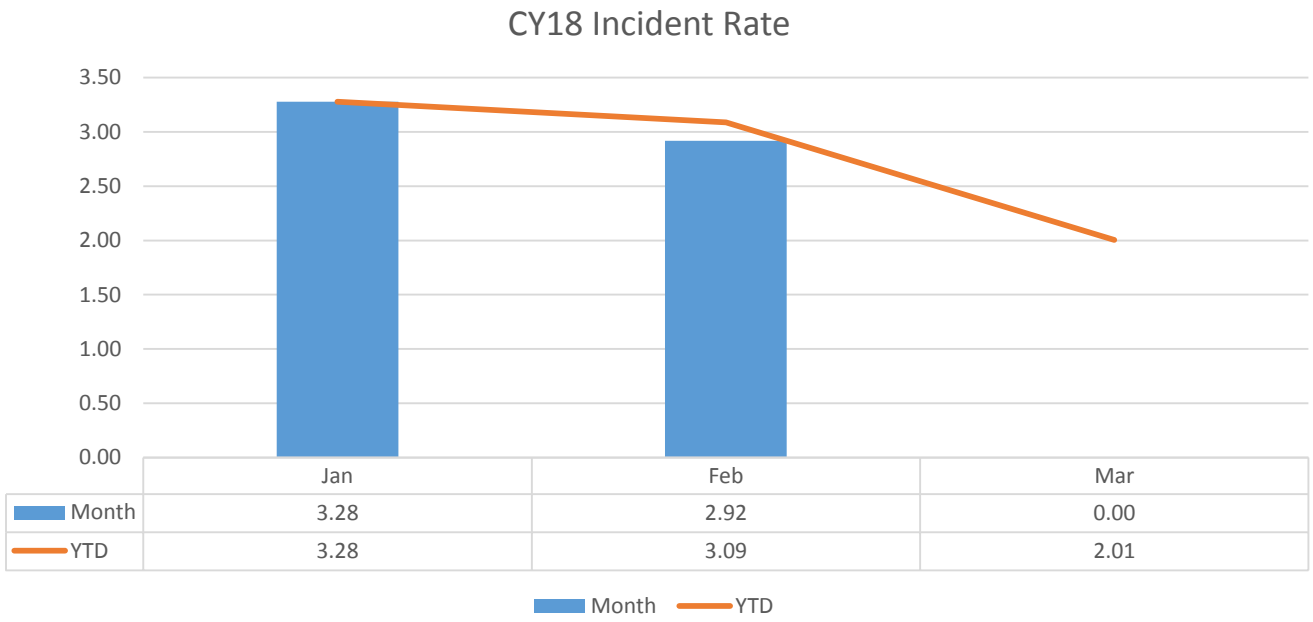


	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Promotions	19	2	10	11	20	23	24	26	27	25	20	15	0
New Hires	26	11	36	37	13	44	36	15	26	15	12	42	5
Resignations	12	22	9	14	12	14	19	14	13	19	15	13	10
Retirement	4	12	11	6	12	12	7	16	24	16	16	19	4
Deaths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

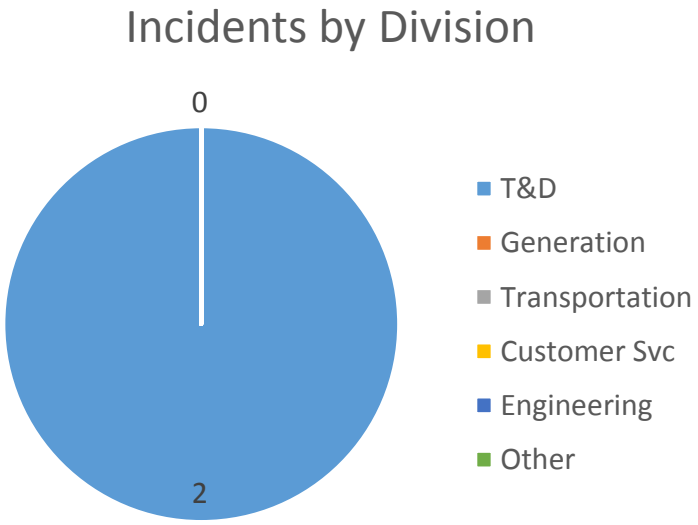
TOTAL NO. OF EMPLOYEES	**536**	**510**	**525**	**534**	**522**	**536**	**543**	**524**	**512**	**489**	**466**	**476**	**465**

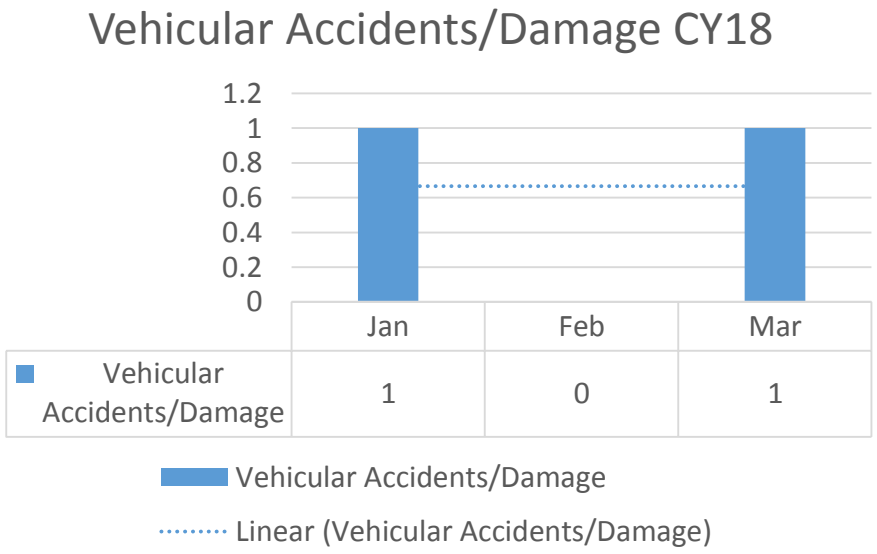
Recruitment Analysis (FY 2018) .. 2 of 2

as of 03/31/18



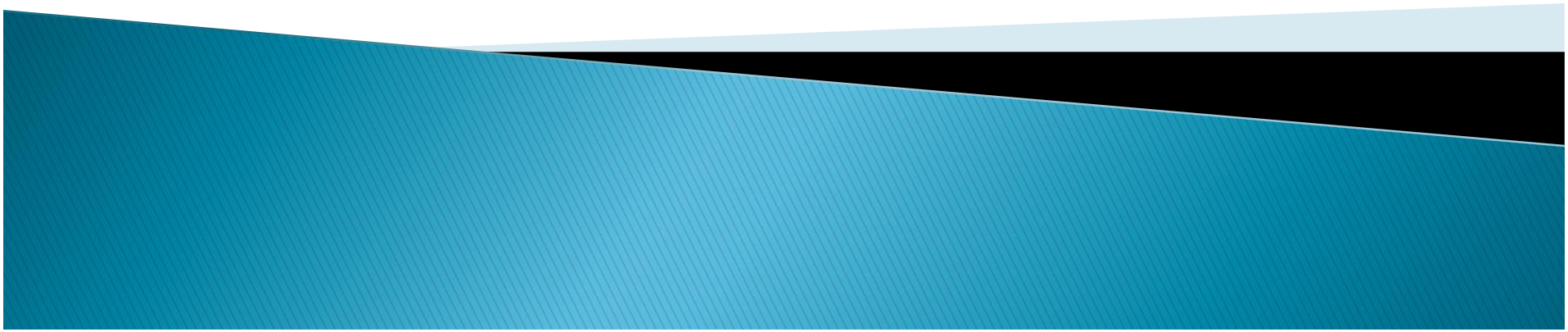
Industry Average (Annual)	GPA Average (YTD)
2.10	2.01





CCU Report– DSM

As of March 31, 2018



All Expenses – Fiscal Year

Description	FY16	FY17	FY18 as of March 31	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$9,540.94	$43,145.74
Other Contractual	28,278.50	$73,010.05	$2,885.00	$104,173.55
Paid Rebates-Split AC	$154,700.00	$557,275.00	$552,925.00	$1,264,900.00
Paid Rebates-Central AC	$3,400.00	$8,200.00	$800.00	$12,400.00
Paid Rebates-Washer/Dryer	$2,800.00	$7,425.00	$3,800.00	$14,025.00
Total Expenses	**200,527.30**	**$668,166.05**	**$569,950.94**	**$1,438,644.29**
Interest/Fees	-$1,521.42	-$690.68	-$311.78	-$2,523.88
Ending Balance				$369,893.59

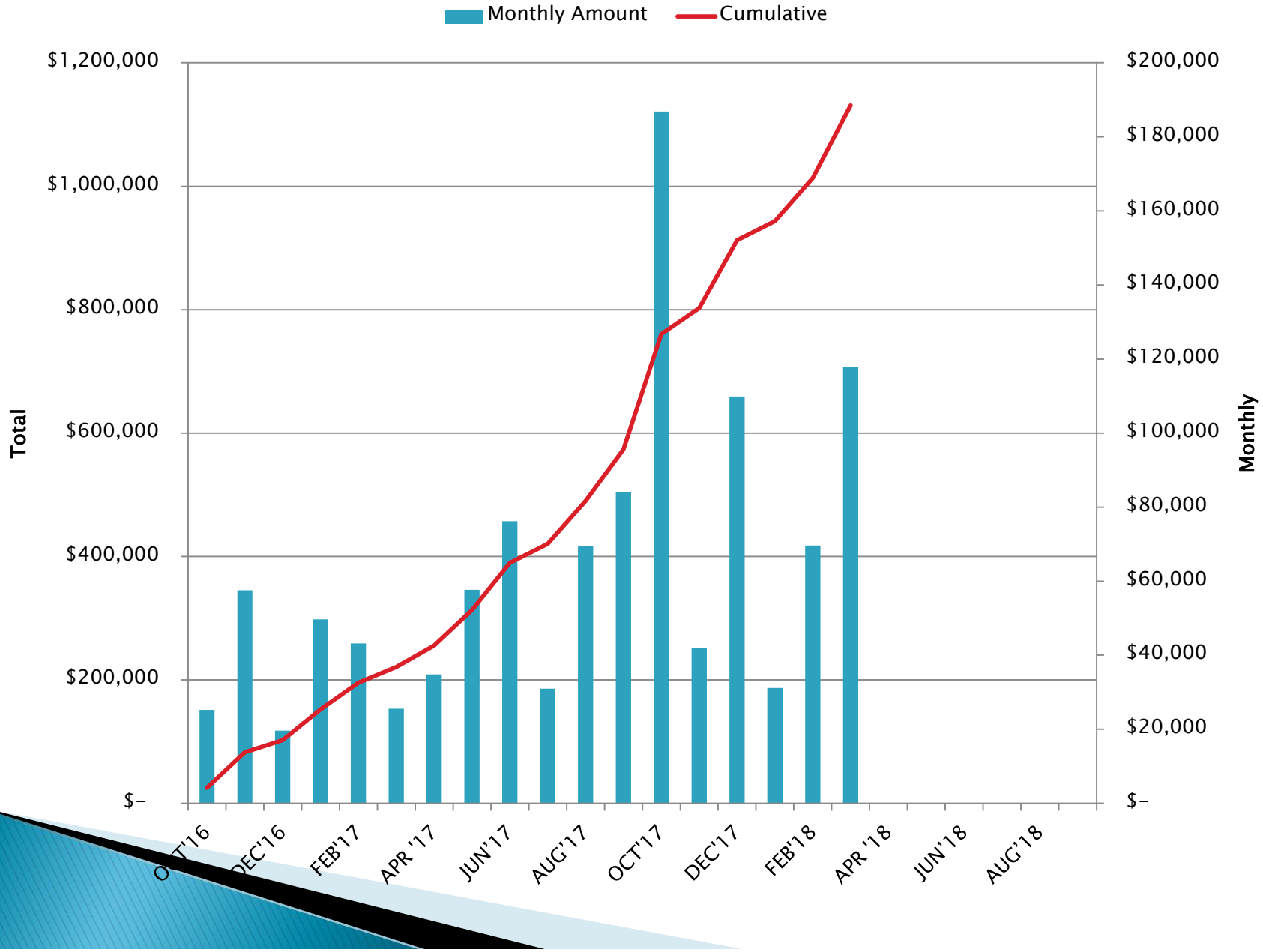
FY 2017– Rebate Amount Paid Monthly

Month	Total	Split A/C Units	Central A/C Units	Washers/Dryers
OCTOBER'16	$25,250.00	$23,450.00	$800.00	$1,000.00
NOVEMBER'16	$57,525.00	$55,625.00	$1,600.00	$300.00
DECEMBER'16	$19,625.00	$18,225.00	$800.00	$600.00
JANUARY'17	$49,650.00	$48,050.00	–	$1,600.00
FEBRUARY'17	$43,175.00	$43,175.00		–
MARCH'17	$25,550.00	$25,550.00	–	–
APRIL '17	$34,800.00	$30,950.00	$800.00	$2,125.00
MAY'17	$57,675.00	$54,275.00	$2,400.00	$1,000.00
JUNE'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
OCTOBER'17	$186,850.00	$185,850.00	$800.00	$200.00
NOVEMBER'17	$41,900.00	$41,700.00		$200.00
DECEMBER'17	$109,875.00	$108,475.00		$1,400.00
JANUARY '18	$31,175.00	$31,175.00		
FEBRUARY '18	$69,625.00	$68,625.00		$1,000.00
MARCH '18	$117,900.00	$116,900.00		$1,000.00
TOTALS	$557,325	$552,725	$800.00	$3,800

FY 2017– 2018 Rebate Amount Paid



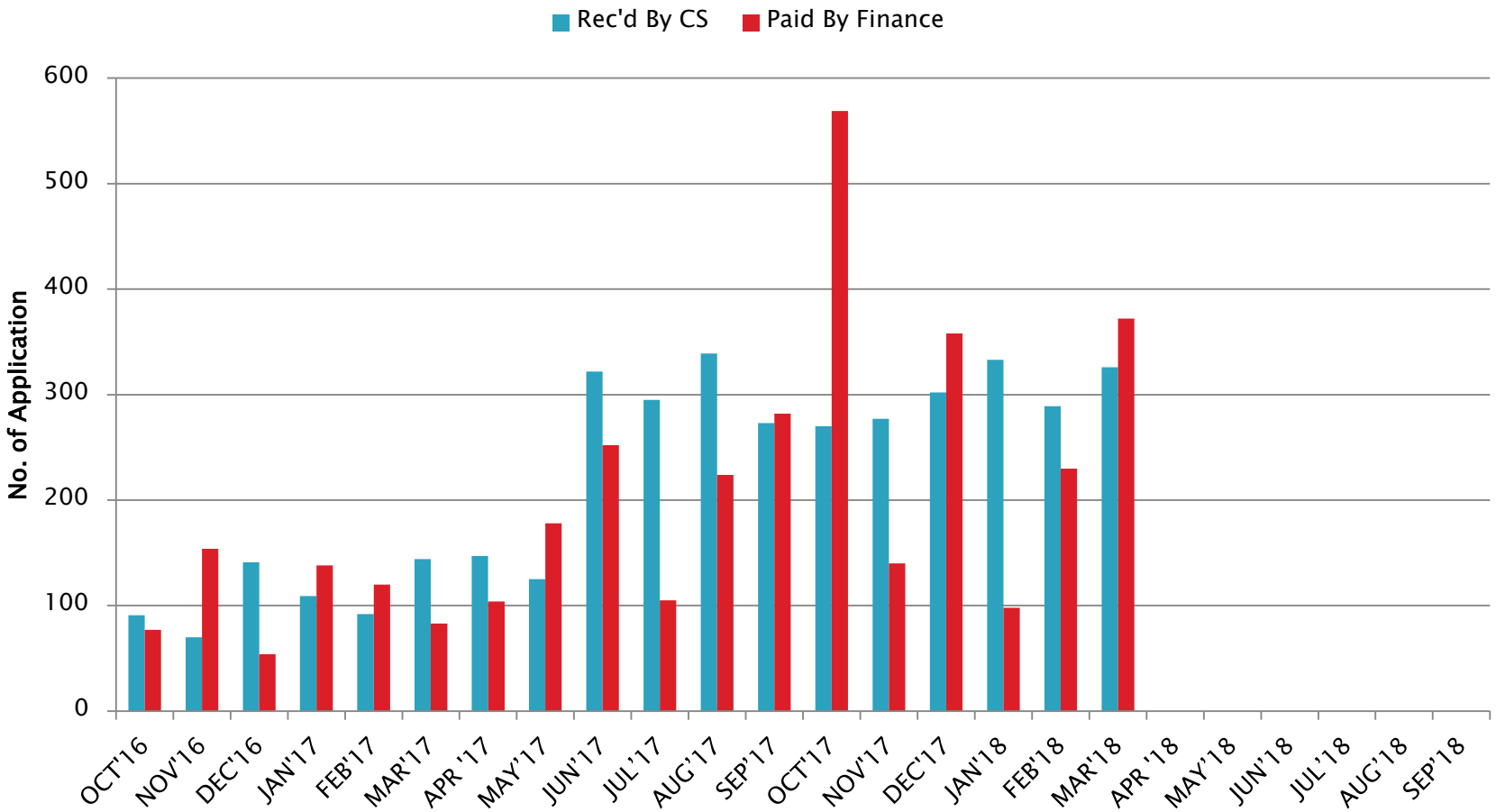
FY 2017- Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCTOBER '16	92	77
NOVEMBER '16	68	154
DECEMBER '16	141	54
JANUARY '17	109	138
FEBRUARY '17	92	120
MARCH '17	144	83
APRIL '17	147	104
MAY '17	215	178
JUNE '17	322	252
JULY '17	295	105
AUGUST '17	339	224
SEPTEMBER '17	270	282

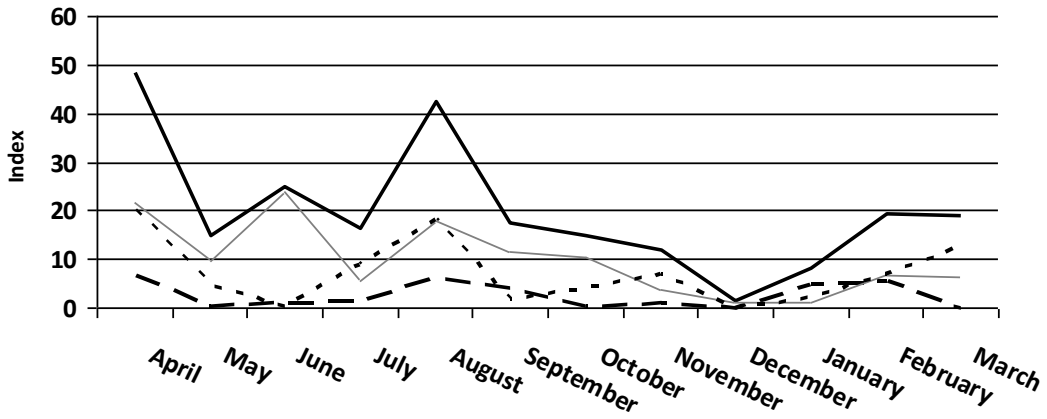
FY 2018- Number of Applications Received By Customer Service and Paid Monthly

Month	Rec'd By CS	Paid By Finance
OCTOBER '17	270	*569*
NOVEMBER '17	277	*140*
DECEMBER '17	302	*358*
JANUARY '18	333	*98*
FEBRUARY '18	289	*230*
MARCH '18	326	*372*
APRIL '18		
MAY '18		
JUNE '18		
JULY '18		
AUGUST '18		
SEPTEMBER '18		

FY 2017– 2018 Number of Applications Received By Customer Service and Paid



(Item 1.1,1.2,1.5) March 2018 SAIDI = 239.30 ↓ (311.08)



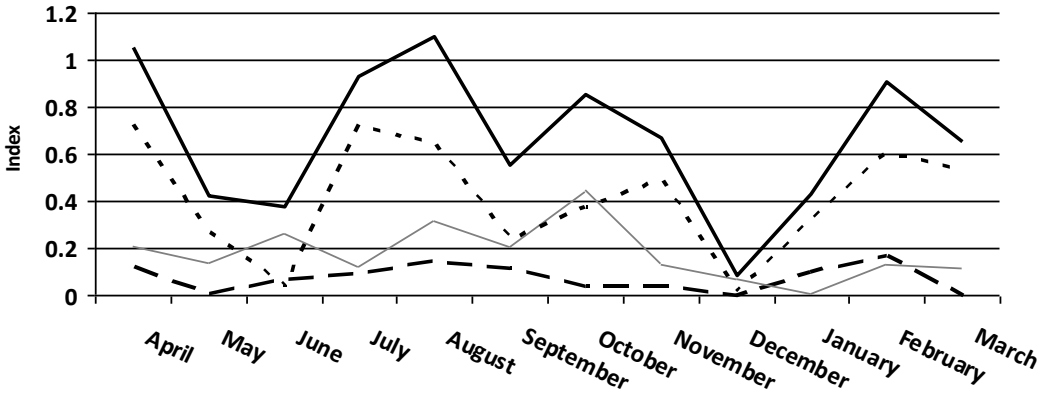
ALL

GEN=87.72 ↓ (148.89)

TRANS=31.74 ↓ (37.48)

DIST=119.83 ↓ (124.71)

(Item 1.1,1.2,1.5) March 2018 SAIFI = 8.03 ↓ (8.05)



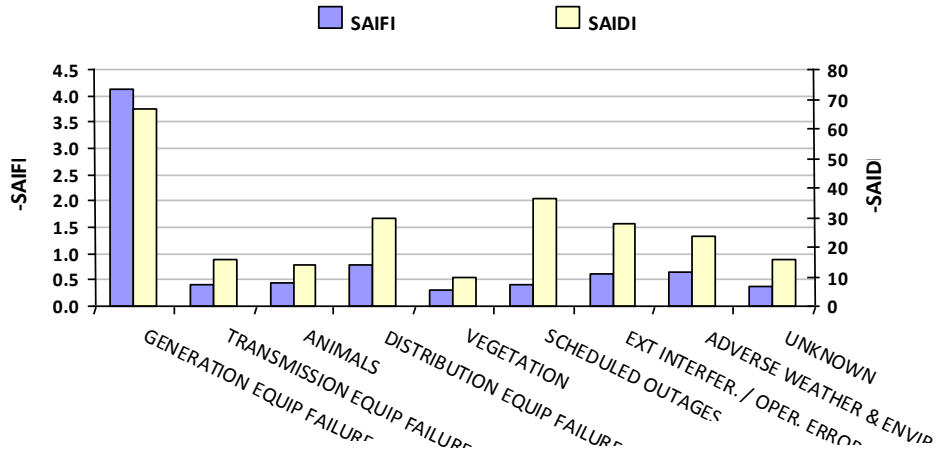
ALL

GEN=4.98 ↑ (4.81)

TRANS=0.90 ↓ (1.03)

DIST=2.16 ↓ (2.21)

(Item 1.9) 12-Month Cause Contributions to Reliability



GENERATION EQUIP FAILURE
F:50.2% D:27.9%

TRANSMISSION EQUIP FAILURE
F:6.6% D:6.7%

ANIMALS
F:6.0% D:5.8%

DISTRIBUTION EQUIP FAILURE
F:9.1% D:12.5%

VEGETATION
F:3.5% D:4.0%

SCHEDULED OUTAGES
F:8.1% D:15.2%

EXT INTERFER. / OPER. ERROR
F:5.8% D:11.6%

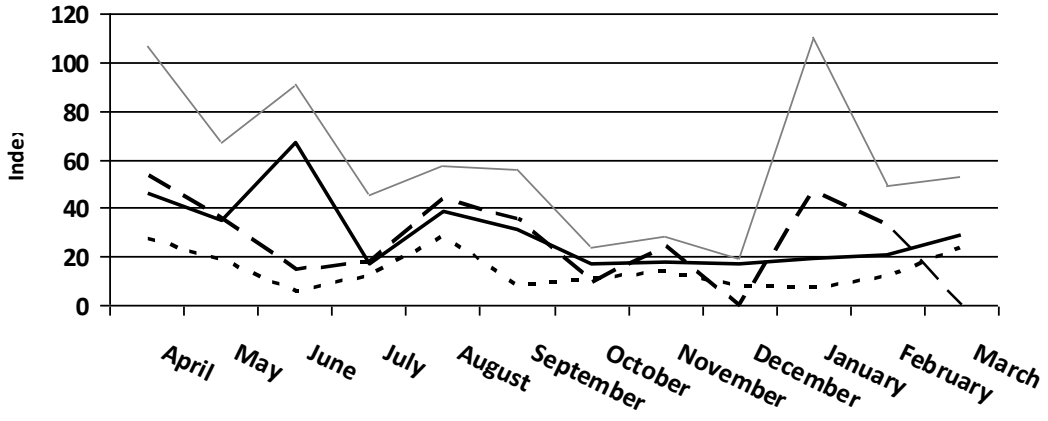
ADVERSE WEATHER & ENVIR.
F:6.2% D:9.8%

UNKNOWN
F:4.5% D:6.5%

ATTACHMENT #1

As of March 31, 2018

(Item 1.1,1.2,1.5) March 2018 CAIDI = 29.79 ↓ (38.66)



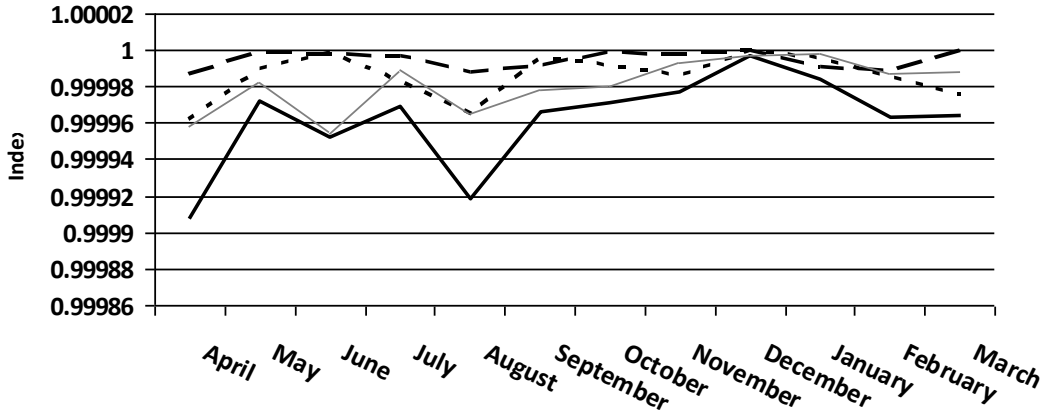
ALL

GEN=17.63 ↓ (30.96)

TRANS=35.3 ↓ (36.3)

DIST=55.51 ↓ (56.55)

(Item 1.1,1.2,1.5) March 2018 ASAI = 0.9995 ↑ (0.9994)



ALL

GEN=0.9998 ↑ (0.9997)

TRANS=0.9999 (0.9999) **UNC***

DIST=0.9998 (0.9998) **UNC***

(Item 1.4) Top 5 Worst Feeders Distribution Causes

#	Feeder	Outage Count
1	P340	11
2	P261	7
3	P221	7
4	P332	4
5	P330	4

(Item 1.4) Top 5 Distribution Outage Causes

#	Outage Cause	Count
1	Overhead Equipment	32
2	Vegetation	13
3	Underground Equipment	12
4	Snakes	7
5	Vehicles	5

(Item 1.3) Outage Count

TOTAL	UFLS	Non-UFLS
484	261	223

(Item 1.3) UFLS Contribution to Reliability

SAIDI	SAIFI	CAIDI
82.28	4.75	17.31

ATTACHMENT #2

As of March 31, 2018

UNC* - Unchanged

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

April 15, 2018

MEMORANDUM

To: Staff Attorney

Via: AGMETS

From: Engineering Manager

Subject: Compliance Reports

Please transmit the attached Compliance Reports to the PUC. The reports are for the reporting period January to March 2018.

JOVEN G. ACOSTA, P.E.

Cc: General Manager
CFO
Assistant CFO
Contracts Administrator

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

April 15, 2018

MEMORANDUM

To: General Manager

Via: AGMETS

From: Engineering Manager

Subject: Compliance Reports

Attached for your review are the project status reports for Capital Improvement Projects for the Quarter of January to March 2018.

Should you have any questions regarding these CIP reports, please let me know.

Joven G. Acosta, P.E.

/attachments

cc: CFO
Assistant CFO
Contracts Administrator

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

Engineering Capital Improvement Projects

Submitted herewith are the January to March 2018 Progress and Compliance Reports for the following projects:

	Project Name	Engineering Section
1	Distribution System Improvements	Distribution
2	Tumon Bay Lateral Underground Conversion	Distribution
3	Line Reclosing and Load Profiling	Distribution
4	Distribution System Improvements II	Distribution
5	Fire Protection Upgrades at Power Plants	Project Management
6	GPA-GWA Multi-Purpose Facility (Fadian)	Project Management
7	Dededo Combustion Turbine Return to Service	Project Management
8	Facilities Physical Security	Project Management
9	Macheche Combustion Turbine Return to Service	Project Management
10	Yigo Combustion Turbine Return to Service	Project Management
11	Remote Start Capability of Generation Peaking Units	Project Mangement
12	Generator Protection Upgrade with Fault Recorders	Substation/Transmission
13	Piti 115 kV GIS Major Maintenance	Substation/Transmission
14	Substation Major Refurbishment - Power Transformer	Substation/Transmission
15	Agat Shoreline Pole Restoration Project	Substation/Transmission
16	System Protection Improvement & Capacitor Bank Controllers	Substation/Transmission
17	Dededo Substation Capacitor Bank	Substation/Transmission
18	Network Communications - Fiber to Fadian Complex	Substation/Transmission

Joven G. Acosta, P.E.
Engineering Manager

Engineering Division
Project Compliance Report Summary
January - March 2018

	Project Name	PUC Approval	Funding Source	Approved Budget	Latest Eng'g Estimate	% Diff	Commitment to Date	Actual Expenditure	Balance of Approved Budget
1	Distribution System Improvements	Y	Bonds	$ 1,000,000	$ 1,000,000	0.00%	$ 830,560	$ 777,774	$ 222,226
2	Tumon Bay Lateral Underground Conversion	Y	Bonds	$ 6,582,838	$ 6,582,838	0.00%	$ 16,442	$ 16,442	$ 6,566,396
3	Line Reclosing and Load Profiling	Y	Bonds	$ 1,200,000	$ 1,038,750	-13.44%	$ 951,067	$ 951,067	$ 248,933
4	Distribution System Improvements II	Y	Bonds	$ 240,000	$ 240,000	0.00%	$ 64,985	$ 12,985	$ 227,015
5	Fire Protection Upgrades at Power Plants	Y	Bonds	$ 3,808,000	$ 4,179,062	9.74%	$ 2,464,062	$ 2,464,062	$ 1,343,938
6	GPA-GWA Multi-Purpose Facility (Fadian)	Y	Bonds	$ 35,000,000	$ 34,691,381	-0.88%	$ 34,691,381	$ 34,377,715	$ 622,285
7	Dededo Combustion Turbine Return to Service	Y	Bonds	$ 9,698,242	$ 8,895,930	-8.27%	$ 8,897,540	$ 8,521,145	$ 1,177,097
8	Facilities Physical Security	Y	Bonds	$ 1,350,000	$ 1,350,000	0.00%	$ -	$ -	$ 1,350,000
9	Macheche Combustion Turbine Return to Service	Y	Bonds	$ 2,692,500	$ 2,491,569	-7.46%	$ 2,472,330	$ 2,240,869	$ 451,631
10	Yigo Combustion Turbine Return to Service	Y	Bonds	$ 2,300,000	$ 2,300,000	0.00%	$ 2,300,000	$ 2,185,000	$ 115,000
11	Remote Start Capability of Generation Peaking Units	Y	Bonds	$ 350,000	$ 350,000	0.00%	$ 46,500	$ 22,829	$ 327,171
12	Generator Protection Upgrade with Fault Recorders	Y	Bonds	$ 580,000	$ 580,000	0.00%	$ 201,108	$ 201,108	$ 378,892
13	Piti 115 kV GIS Major Maintenance	Y	Bonds	$ 2,637,300	$ 2,637,300	0.00%	$ -	$ -	$ 2,637,300
14	Substation Major Refurbishment - Power Transformer	Y	Bonds	$ 540,000	$ 540,000	0.00%	$ 322,638	$ 322,638	$ 217,362
15	Agat Shoreline Pole Restoration Project	Y	Bonds	$ 384,000	$ 384,000	0.00%	$ 82,597	$ 73,228	$ 310,772
16	System Protection Improvement & Capacitor Bank Controllers	Y	Bonds	$ 1,312,000	$ 1,312,000	0.00%	$ 120,601	$ 120,601	$ 1,191,399
17	Dededo Substation Capacitor Bank	Y	Bonds	$ 165,000	$ 165,000	0.00%	$ -	$ -	$ 165,000
18	Network Communications - Fiber to Fadian Complex	Y	Bonds	$ 1,100,000	$ 1,100,000	0.00%	$ 341,560	$ 341,560	$ 758,440
	TOTAL			$ 70,939,880.00	$ 69,837,829.83	$ (0.20)	$ 53,803,371.21	$ 52,629,022.55	$ 18,310,857.45

Engineering Distribution
Project Status Reports

January – March 2018

Engineering Distribution
Capital Improvement Projects

Submitted are the January 2018 through March 2018 Progress Reports and Compliance Reports for the following projects:

	Project Name	Engineer	Job Order
1	Distribution System Improvements	LCC	100081
2	Tumon Bay Lateral Underground Conversion	EKC	100114
3	Line Reclosing and Load Profiling	EKC	100111
4	Distribution System Improvements II	LCC	100266

Vincent J. Sablan, P.E.

DISTRIBUTION ENGINEERING
Project Compliance Report Summary
January 2018 - March 2018

	Project	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget
1	Distribution System Improvements	1,000,000	1,000,000	830,560	777,774	222,226
2	Tumon Bay Lateral Underground Conversion	6,582,838	6,582,838	16,442	16,442	6,566,396
3	Line Reclosing and Load Profiling	1,200,000	1,038,750	951,067	951,067	248,933
4	Distribution System Improvements II	240,000	240,000	64,985	12,985	227,015

Distribution System Improvements

LCC

Overall Status	G

Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (LCC)
2. T&D (Crew)
3. SPORD (Roel Cahinhinan)

Risks & Issues	Schedule	Scope	Financial
Y	G	G	G

Updates & Accomplishments for the Quarter

1. Updating of the Milsoft EQDB Equipment library is ongoing.
2. Completion of the Milsoft Windmill underground and overhead construction types for both primary and secondary completed.

Resource	Upcoming Tasks / Open Items	ECD
1. Engineering	1. Completion of Regulator Studies (Specs, SOP, and Standards)	TBD
2. Engineering	2. Ordering of Regulators to close out the project.	TBD
3. SPORD and Engineering	3. Completion of updating Milsoft EQDB.	TBD
4. SPORD and Engineering	4. Training on use of Milsoft Windmill and the creation of a maintenance program for the updating schema and creating Milsoft Windmill model	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. No working distribution power flow software	1. August 2017	1. Training on use of Windmill and the creation of a maintenance program for updating schema and creating the Milsoft Windmill model	1. TBD

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Distribution System Improvements

LCC

Overall Status	G

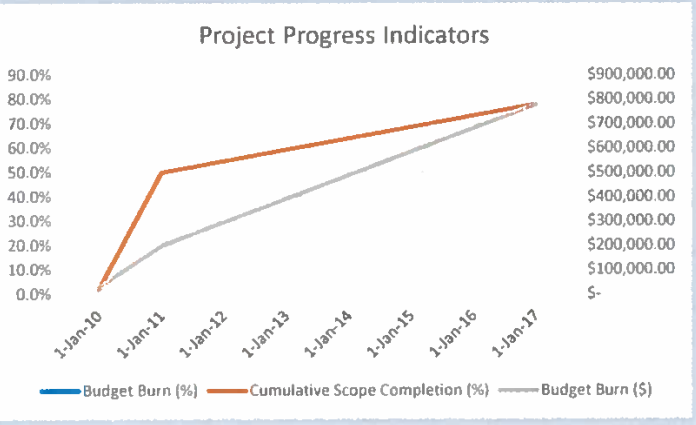
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (LCC)
2. T&D (CREW)
3. SPORD (Roel Cahinhinan)

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Design	1-Sep-10	22-Apr-16			
Planned Finished Design	1-May-18				
Planned Start Construction	1-Jun-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 1,000,000.00	$ 1,000,000.00	0

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Distribution System Improvements
COMPLIANCE REPORT
January 2018 - March 2018

Description of Work/Item	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget	Remarks (PO# or Work Order #
GPA Purchased Equipment/Materials						
Switches	100,000	100,000	-	-	100,000	
Switched Capacitors	240,000	240,000	136,883	101,883	103,117	Switched Cap. 16053OP, R&D Marketing PO#21876
Garage and Miscellaneous	10,000	10,000	85,290	85,290	(75,290)	
Total GPA Purchased Equipment/Materials	350,000	350,000	222,173	187,173	127,827	
GPA Warehouse Furnished Equipment/Materials	100,000	100,000	166,527	166,527	(66,527)	
Total GPA Warehouse Equipment/Materials	100,000	100,000	166,527	166,527	(66,527)	
Construction Management						
Engineering Labor	10,000	10,000	-	-	10,000	
Garage/Travel/Overhead/Others	10,000	10,000	-	-	10,000	
Total Construction Management	20,000	20,000	-	-	20,000	
Construction by T&D						
Switch Installation	23,750	23,750	-	-	23,750	
Capacitor Installation	23,750	23,750	-	-	23,750	
Fuse Installation and Reconductoring	198,903	198,903	134,635	134,635	64,268	
Travel/Overhead/Others	-	-	-	-	-	
Construction Contractor Work	283,597	283,597	307,226	289,439	(5,842)	P-211 Extension, MD Crisostomo PO#19494
Total Construction	530,000	530,000	441,861	424,074	105,926	
TOTAL	1,000,000	1,000,000	830,560	777,774	222,226	

Tumon Bay Lateral Underground Conversion

EAKC

Overall Status	G

Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (EAKC, AMM)
2. Procurement

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Design drawings and specifications completed
2. Project in Procurement Phase

Resource	Upcoming Tasks / Open Items	ECD
1. Procurement	1. Pending completion of Procurement Process	TBD
	2. Bid Opening	TBD
	3. Awarding of Project	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

4/12/2018

3

Tumon Bay Lateral Underground Conversion

EAKC

Overall Status	G

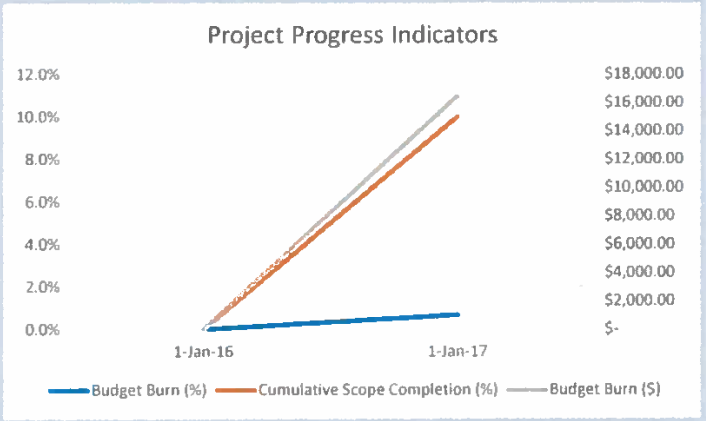
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (EAKC, AMM)
2. Procurement

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Design	1-Jul-16				
Planned Finished Design	1-Jul-17	1-Feb-18			
Planned Start Construction					

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 6,582,838.00	$ 2,490,000.00	0
Phase II			

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

Tumon Bay Lateral Underground Conversion
COMPLIANCE REPORT
January 2018 - March 2018

Description of Work/Item	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget	Remarks
Design						
In-House Labor	15,000	15,000	14,778	14,778	222	
Garage/Travel/Overhead/Others	1,500	1,500	1,536	1,536	(36)	
Total Design	16,500	16,500	16,314	16,314	186	
Construction Management						
Engineering Labor	63,000	63,000	-	-	63,000	
T&D Labor	75,000	75,000	-	-	75,000	
Garage/Travel/Overhead/Others	50,000	50,000	128	128	49,872	
Total Construction Management	188,000	188,000	128	128	187,872	
Construction Contractor Work						
Permits & Mobilization	100,000	100,000	-	-	100,000	
Primary Manhole	660,000	660,000	-	-	660,000	
Primary Handhole	65,000	65,000	-	-	65,000	
Secondary Handhole	300,000	300,000	-	-	300,000	
Pad Mounted Transformer	304,000	304,000	-	-	304,000	
Switch Pad	740,000	740,000	-	-	740,000	
Conduit Installation and Restoration	2,076,505	2,076,505	-	-	2,076,505	
Street Lights	250,000	250,000	-	-	250,000	
Removal of Existing Overhead Distribution System	80,000	80,000	-	-	80,000	
Primary Cable and Termination	717,019	717,019	-	-	717,019	
Secondary Cable and Termination	746,040	746,040	-	-	746,040	
Conversion of Existing Service to Underground	211,000	211,000	-	-	211,000	
Testing and Energization	28,774	28,774	-	-	28,774	
Archaeological Work	100,000	100,000	-	-	100,000	
Total Construction	6,378,338	6,378,338	-	-	6,378,338	
TOTAL	6,582,838	6,582,838	16,442	16,442	6,566,396	

Line Reclosing and Load Profiling

EAKC

Overall Status	G

Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (EAKC)
2. T&D (Crew)

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Line Reclosers, Controllers, and Transceivers have arrived and have been tested.
2. Communication testing and configuration ongoing.

Resource	Upcoming Tasks / Open Items	ECD
1. T&D	1. Installation of Line Reclosers	TBD
2. Engineering	2. Ordering of more Reclosers, controllers and transceivers to close out the project.	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

4/12/2018

5

Line Reclosing and Load Profiling

EAKC

Overall Status	G

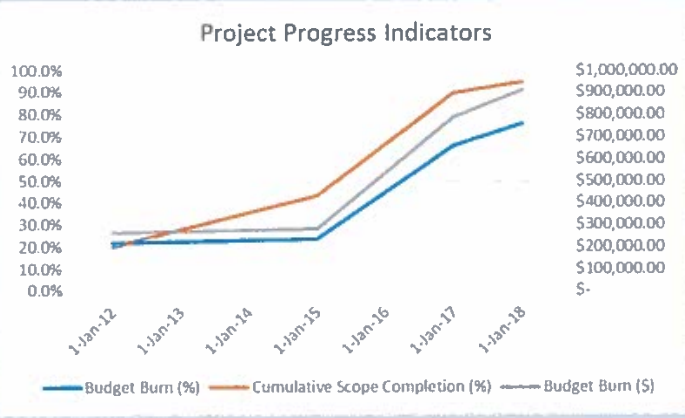
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (EAKC)
2. T&D (Crew)

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Construction	1-Mar-11	1-Jun-11			
Planned Finished Construction	1-Jun-13				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 1,200,000.00	$ 1,200,000.00	0
Phase II			

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

Line Reclosing and Load Profiling
COMPLIANCE REPORT
January 2018 - March 2018

Description of Work/Item	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget	Remarks (PO# or Work Order #
Design						
In-House Labor	38,500	38,500	-	-	38,500	
Garage/Travel/Overhead/Others	1,500	1,500	-	-	1,500	
Total Design	40,000	40,000	-	-	40,000	
GPA Purchased Equipment/Materials						
SEL 734,SEL 751-A and Assoc. Materials	182,950	177,950	524,931	524,931	(341,981)	15767OP - Schweitzer Engineering
SEL 351-6	38,000	38,000	-	-	38,000	
Misc. Materials	166,250	10,000	89,758	89,758	76,492	OR#29458 Line Reclosers
Total GPA Purchased Equipment/Materials	387,200	225,950	614,689	614,689	(227,489)	
Construction Management						
Engineering Labor	45,000	45,000	-	-	45,000	
T&D Labor	150,000	150,000	336,378	336,378	(186,378)	
Garage/Travel/Overhead/Others	100,000	100,000	-	-	100,000	
Total Construction Management	295,000	295,000	336,378	336,378	(41,378)	
Construction Contractor Work						
Permits & Mobilization	121,800	121,800	-	-	121,800	
Circuit As-Built	75,000	75,000	-	-	75,000	
Installation of SEL-734-6	8,000	8,000	-	-	8,000	
Installation of SEL-751-A	45,000	45,000	-	-	45,000	
Installation of SEL-734	53,000	53,000	-	-	53,000	
Removal of Existing Relays and Devices	50,000	50,000	-	-	50,000	
Testing	125,000	125,000	-	-	125,000	
Total Construction	477,800	477,800	-	-	477,800	
TOTAL	1,200,000	1,038,750	951,067	951,067	248,933	

Distribution System Improvements II

LCC

Overall Status	G

Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (LCC)
2. T&D (Crew)

Risks & Issues	Schedule	Scope	Financial
Y	G	G	G

Updates & Accomplishments for the Quarter

1. Load redistribution at Apra Sub, P-221 and P-223 Completed.
2. SEL Fault Indicators have been ordered and are pending Procurement process.

Resource	Upcoming Tasks / Open Items	ECD
1. T&D	1. Installation of Capacitor Banks	TBD
2. T&D	2. Installation of Fault Indicators	TBD
3. T&D	3. Installation of Voltage Regulators	TBD
4. Eng	4. Ordering of Additional Switched Capacitors to close out the project.	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. No working power flow software	1. August 2017	1. Training on use of Windmill and the creation of a maintenance program for updating schema and creating the Milsoft Windmill model.	TBD

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

4/12/2018

7

Distribution System Improvements II

LCC

Overall Status	G

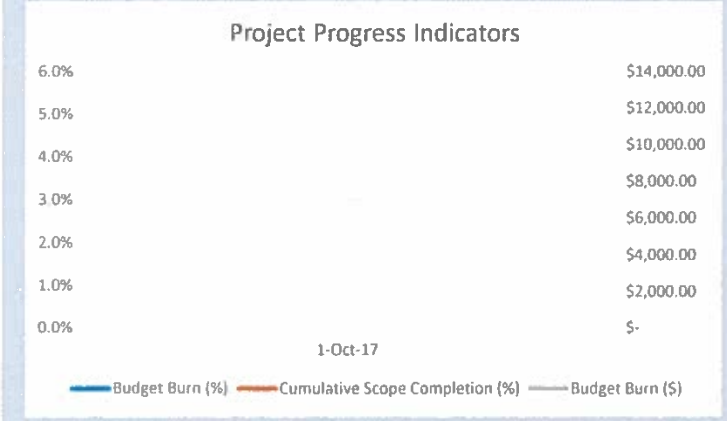
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering (LCC)
2. T&D (Crew)

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Construction	1-Apr-15	1-Apr-16			
Planned Finished Construction	1-Sep-16				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 240,000.00	$ 240,000.00	0
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Distribution System Improvements II
COMPLIANCE REPORT
January 2018 - March 2018

Description of Work/Item	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget	Remarks (PO# or Work Order #
GPA Purchased Equipment/Materials						
Switches	20,000	20,000	16,255	-	3,745	P-220 Switch Install
Switched Capacitors	10,000	10,000	12,000	-	(2,000)	P-221, P-223, P-340 Cap Bank Install
Garage and Miscellaneous	5,000	5,000	5,580	-	(580)	PO#23089
Total GPA Purchased Equipment/Materials	35,000	35,000	33,835	-	1,165	
GPA Warehouse Furnished Equipment/Materials	38,000	38,000	4,685	-	33,315	
Total GPA Warehouse Equipment/Materials	38,000	38,000	4,685	3,895	33,315	
Construction Management						
Engineering Labor	10,000	10,000	-	-	10,000	
Garage/Travel/Overhead/Others	10,000	10,000	4,157	4,157	5,843	
Total Construction Management	20,000	20,000	4,157	4,157	15,843	
Construction by T&D						
Switch Installation	5,000	5,000	4,000	-	1,000	P-220 Switch Install
Capacitor Installation	5,000	5,000	3,059	798	1,941	221, P-223, P-340, P-282 Cap Bank Install
Fuse Installation and Reconductoring	50,000	50,000	-	-	50,000	
Load Reconfiguration	87,000	87,000	15,250	4,134	82,866	P-221 and P-223 Load Reconfiguration
Construction Contractor Work	-	-	-	-	-	
Total Construction	147,000	147,000	22,309	4,933	142,067	
TOTAL	240,000	240,000	64,985	12,985	192,391	

Engineering Project Management
Project Status Reports

January – March 2018

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUÅHAN
P.O. BOX 2977 • HAGATÑA, GUAM U.S.A. 96932-2977

Engineering Project Management
Capital Improvement Projects

Submitted herewith is the March 2018 Quarterly Compliance Reports for the following projects:

	Project Name	Project Engineer
1.	Fire Protection Upgrades at Various Power Plants • Manenggon Diesel Power Plant	JRMA/SCB
2.	Gloria B. Nelson Public Service Building Additional Works	JRMA/SCB
3.	Facilities Physical Security	JRMA/SCB
4.	Dededo Combustion Turbine Return to Service (Final Report)	HOE/ORE
5.	Macheche Combustion Turbine Return to Service (Final Report)	HOE/ORE
6.	Yigo Combustion Turbine Return to Service (Final Report)	HOE/ORE
7.	Remote Start Capability of Generation Peaking Units	HOE/ORE

Manuel M. Minas
Engineer Supervisor

Project Management Engineering
Project Compliance Report Summary
January - March 2018

	Project Name	Approved Budget	Latest Eng'g Estimate	Commitment to Date	Actual Expenditure	Balance of Approved Budget
1	Fire Protection Upgrades at Power Plants	$ 3,808,000	$ 4,179,062	$ 2,464,062	$ 2,464,062	$ 1,343,938
2	GPA-GWA Multi-Purpose Facility (Fadian)	$ 35,000,000	$ 34,691,381	$ 34,691,381	$ 34,377,715	$ 622,285
3	Dededo Combustion Turbine Return to Service	$ 9,698,242	$ 8,895,930	$ 8,897,540	$ 8,521,145	$ 1,177,097
4	Facilities Physical Security	$ 1,350,000	$ 1,350,000	$ -	$ -	$ 1,350,000
5	Macheche Combustion Turbine Return to Service	$ 2,692,500	$ 2,491,569	$ 2,472,330	$ 2,240,869	$ 451,631
6	Yigo Combustion Turbine Return to Service	$ 2,300,000	$ 2,300,000	$ 2,300,000	$ 2,185,000	$ 115,000
7	Remote Start Capability of Generation Peaking Units	$ 350,000	$ 350,000	$ 46,500	$ 22,829	$ 327,171

GPA Upgrade of Fire Protection and Smoke Alarm Systems at Manenggon Diesel Power Plant

JRMA/SCB

Overall Status		Resources	Risks & Issues		Schedule		Scope		Financial		Assigned By
Design = 100% Design Update = 0% Construction = 0%	G	1. ENGINEERING		G		G		G		G	JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
1. In-receipt of Engineering Consultant's cost proposal for the design update (to ensure it meets current codes and standards).	1. A/E	1. Update the design drawings and specifications to include cost estimate	09/28/18
2. On-going review of the cost proposal.	2. ENG'G. / PMM	2. Rebid the project	12/31/18
	3. TBD	3. Construction	09/30/19

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

GPA Upgrade of Fire Protection and Smoke Alarm Systems at Manenggon Diesel Power Plant

JRMA/SCB

Overall Status	G

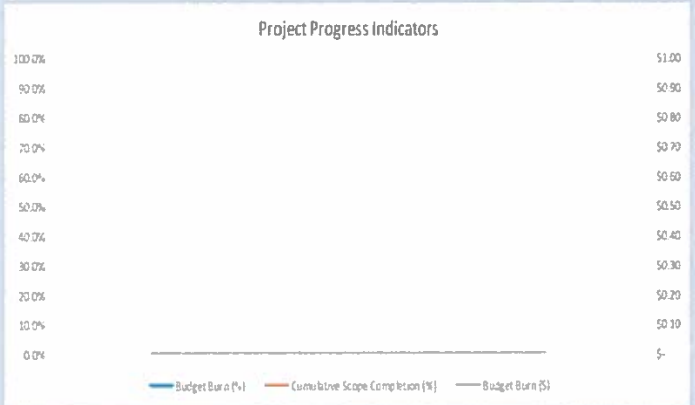
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. ENGINEERING

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator
Update design package	28-Sep-18			
Rebid	31-Dec-18			
Construction	30-Sep-19			

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 520,000.00	$ 520,000.00	0
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

GPA UPGRADE OF FIRE PROTECTION AND SMOKE ALARM SYSTEMS AT VARIOUS FACILITIES
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	**Construction Support/Management**						
a	A/E Construction Support Services	$37,500.00	$37,500.00	$37,500.00	$34,725.00	$0.00	EMCE
b	GPA Construction Management	$149,500.00	$160,080.00	$160,080.00	$160,080.00	($10,580.00)	as of 03/31/18
	Total CSS/CM Cost	**$187,000.00**	**$197,580.00**	**$197,580.00**	**$194,805.00**	**($10,580.00)**	
2	**Construction**						
a	Macheche CT Power Plant (100096)	$350,000.00	$488,629.00	$488,629.00	$488,629.00	($138,629.00)	Completed, GEMCCO
b	Yigo Power Plant (100101)	$428,000.00	$363,408.73	$363,408.73	$363,408.73	$64,591.27	Completed, MIDONG
c	Dededo Diesel Power Plant (100118)	$360,000.00	$337,980.00	$337,980.00	$337,980.00	$22,020.00	Completed, GEMCCO
d	Tenjo Diesel Power Plant (100120)	$428,000.00	$646,538.18	$646,538.18	$646,538.18	($218,538.18)	Completed, BME
e	Talofofo Diesel Power Plant (100122)	$340,000.00	$432,700.77	$432,700.77	$432,700.77	($92,700.77)	Completed, BME
f	Manenggon Power Plant (100121)	$520,000.00	$520,000.00	$0.00	$0.00	$520,000.00	
g	Marbo CT Power Plant (100123)	$445,000.00	$445,000.00	$0.00	$0.00	$445,000.00	
h	Cabras 1&2 Power Plant	$750,000.00	$750,000.00	$0.00	$0.00	$750,000.00	
	Total Construction Cost	**$3,621,000.00**	**$3,984,256.68**	**$2,269,256.68**	**$2,269,256.68**	**$1,351,743.32**	
3	**SUMMARY**						
	TOTAL CSS/CM	**$187,000.00**	**$194,805.00**	**$194,805.00**	**$194,805.00**	**($7,805.00)**	
	TOTAL CONSTRUCTION	**$3,621,000.00**	**$3,984,256.68**	**$2,269,256.68**	**$2,269,256.68**	**$1,351,743.32**	
	TOTAL PROJECT COST	**$3,808,000.00**	**$4,179,061.68**	**$2,464,061.68**	**$2,464,061.68**	**$1,343,938.32**	

Gloria B. Nelson Public Service Building

JRMA/SCB

Overall Status		Resources	Risks & Issues	Schedule	Scope	Financial	Assigned By
Additional Works: Fitness Room = 100% Fitness Equipment = 90% CS Workstation = 50%	G	1. ENGINEERING	G	G	G	G	JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
1. Additional works: a. Fitness Room • Processed the final invoice. • GR completed the warranty punch list b. Fitness Equipment Awaiting from Hornet for one fitness equipment to be delivered. c. Customer Service Workstation Modification • PMM issued the NTP/PO to MMB Inc., Contractor. • MMB submitted required shop drawings. • Engineering completed review of the submittal and issued approval.	1. Hornet 2. MMB	1. Fitness Equipment Delivery of the last quantity of equipment 2. CS Workstation Modification Complete installation	06/29/18 04/16/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Gloria B. Nelson Public Service Building

JRMA/SCB

Overall Status

G

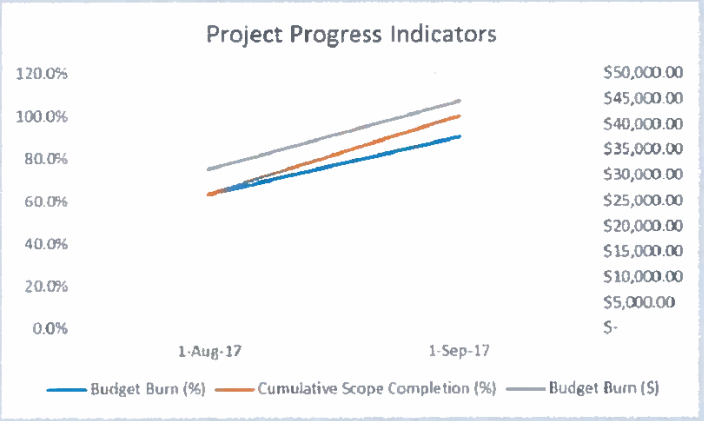
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)	99.9%	99.9%	0.0%
Budget (%)	90.0%	63.0%	27.0%
Milestones Achieved	6	2	4

Resources

1. ENGINEERING

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Fitness Room - Project Close Out	30-Sep-17	30-Sep-17	0		Early
Fitness Equipment - Final Delivery	22-Jan-18				
CS Glass Partition - Construction	30-Apr-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 47,934.00	$ 49,434.00	1
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

GLORIA B. NELSON PUBLIC SERVICE BUILDING
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	Design Phase						
a	Architectural	$547,989.00	$547,989.00	$547,989.00	$547,989.00	$0.00	13974OP / RIM
b	Civil	$194,875.00	$194,875.00	$194,875.00	$194,875.00	$0.00	13974OP / RIM
c	Structural	$218,993.00	$218,993.00	$218,993.00	$218,993.00	$0.00	13974OP / RIM
d	Mechanical/Plumbing	$126,598.00	$126,598.00	$126,598.00	$126,598.00	$0.00	13974OP / RIM
e	Electrical	$161,694.00	$161,694.00	$161,694.00	$161,694.00	$0.00	13974OP / RIM
f	LEED/Energy Performance Modeling	$47,496.00	$47,496.00	$47,496.00	$47,496.00	$0.00	13974OP / RIM
g	Cost Estimating	$48,556.00	$48,556.00	$48,556.00	$48,556.00	$0.00	13974OP / RIM
h	Landscape	$14,460.00	$14,460.00	$14,460.00	$14,460.00	$0.00	13974OP / RIM
i	Geotechnical	$28,647.00	$28,647.00	$28,647.00	$28,647.00	$0.00	13974OP / RIM
j	Off Site Sewer Design	$74,768.00	$74,768.00	$74,768.00	$74,768.00	$0.00	13974OP / RIM
k	Route 15 Widening	$123,386.00	$123,386.00	$123,386.00	$123,386.00	$0.00	13974OP / RIM
l	FF & E Design Services	$239,590.00	$239,590.00	$239,590.00	$239,590.00	$0.00	13974OP / RIM
	Total Design Cost	$1,827,052.00	$1,827,052.00	$1,827,052.00	$1,827,052.00	$0.00	13974OP / RIM
2	Construction Support						
a	Architectural	$195,298.00	$195,298.00	$195,298.00	$195,298.00	$0.00	13974OP / RIM
b	Civil	$62,369.00	$62,369.00	$62,369.00	$62,369.00	$0.00	13974OP / RIM
c	Structural	$27,696.00	$27,696.00	$27,696.00	$27,696.00	$0.00	13974OP / RIM
d	Mechanical/Plumbing	$37,882.00	$37,882.00	$37,882.00	$37,882.00	$0.00	13974OP / RIM
e	Electrical	$28,280.00	$28,280.00	$28,280.00	$28,280.00	$0.00	13974OP / RIM
f	LEED/Energy Performance Modeling	$5,546.00	$5,546.00	$5,546.00	$5,546.00	$0.00	13974OP / RIM
g	Cost Estimating	$8,136.00	$8,136.00	$8,136.00	$8,136.00	$0.00	13974OP / RIM
h	Landscape	$4,549.00	$4,549.00	$4,549.00	$4,549.00	$0.00	13974OP / RIM
	Total CA Cost	$369,756.00	$369,756.00	$369,756.00	$369,756.00	$0.00	13974OP / RIM
	Total Design and CA Cost	$2,196,808.00	$2,196,808.00	$2,196,808.00	$2,196,808.00	$0.00	13974OP / RIM
3	Construction Administration						
a	Construction Engineering	$713,410.00	$424,648.00	$424,648.00	$424,648.00	$288,762.00	RWA/West Ent/GWA
b	GPA On-site CM	$476,995.00	$476,995.00	$476,995.00	$476,995.00	$0.00	RIM - CHANGE ORD
c	GPA In House Labor / Field Work	$204,902.00	$185,044.83	$185,044.83	$185,044.83	$19,857.17	as of 03/31/18
	Total CM Cost	$1,395,307.00	$1,086,687.83	$1,086,687.83	$1,086,687.83	$308,619.17	
4	Construction						
a	Construction - Building	$26,933,288.00	$26,933,288.00	$26,933,288.00	$26,648,961.00	$0.00	CoreTech
	a.1 Additional - Finance & Nursing Room	$43,531.00	$43,531.00	$43,531.00	$43,531.00	$0.00	ZME Pacific
	a.2 Additional - Fitness Room	$49,434.00	$49,434.00	$49,434.00	$49,434.00	$0.00	GR Construction
	a.3 Additional - Fitness Equipment	$5,725.00	$5,725.00	$5,725.00	$4,286.00	$1,439.00	HORNETS
	a.4 Additional - CS Workstation	$27,900.00	$27,900.00	$27,900.00	$0.00	$27,900.00	MMB
b	Construction - Route 15 Improvement	$1,499,500.00	$1,499,500.00	$1,499,500.00	$1,499,500.00	$0.00	CoreTech
c	Construction - FFE and Art Work	$2,594,957.00	$2,594,957.00	$2,594,957.00	$2,594,957.00	$0.00	M80
	Total Construction Cost	$31,154,335.00	$31,154,335.00	$31,154,335.00	$30,840,669.00	$29,339.00	
5	Relocation Services	$253,550.00	$253,550.00	$253,550.00	$253,550.00	$0.00	CHA, Dewitt, etc.
6	SUMMARY						
	TOTAL DESIGN and CA	$2,196,808.00	$2,196,808.00	$2,196,808.00	$2,196,808.00	$0.00	
	TOTAL CONSTRUCTION MGMT	$1,395,307.00	$1,086,687.83	$1,086,687.83	$1,086,687.83	$308,619.17	
	TOTAL CONSTRUCTION	$31,154,335.00	$31,154,335.00	$31,154,335.00	$30,840,669.00	$313,666.00	
	TOTAL PROJECT COST	$35,000,000.00	$34,691,380.83	$34,691,380.83	$34,377,714.83	$622,285.17	

Dededo Combustion Turbine Return to Service

HOE/ORE

Overall Status	G
Dededo CT1 = 100% Dededo CT2 = 100%	

Resources
1. ENGINEERING 2. GENERATION

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Assigned By
JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
1. Processed all pending invoices and forwarded to Accounting for disbursement.		None	

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. GFD's final acceptance on the completed repair of facility's existing fire protection system.	12/31/17	1. TEMES (PMC) to follow-up consistently with GFD.	Pending

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Dededo Combustion Turbine Return to Service

HOE/ORE

Overall Status	G

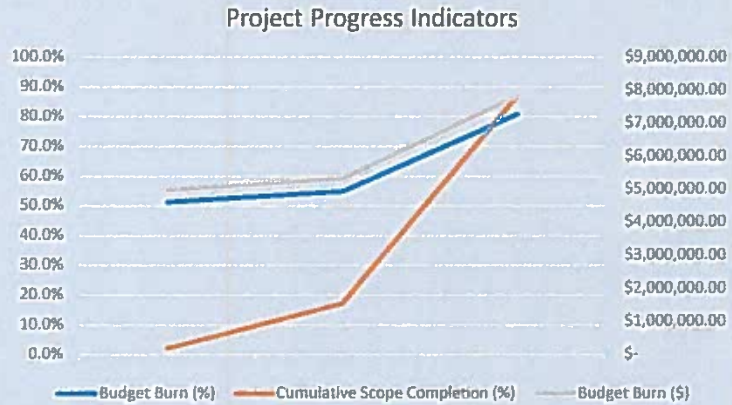
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. ENGINEERING
2. GENERATION

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
DCT1	28-Feb-17	11-May-17	72	72	Very Late
DCT2	20-Jan-17	10-May-17	110	110	Very Late

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 9,698,242.00	$ 9,698,242.00	0
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

DEDEDO CT RETURN TO SERVICE
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	**Reallocated Bond Funds**						
a	Generator #2 Rotor & Stator Repair, Generator #1 Inspection	2,270,000.00	2,269,294.00	2,269,294.00	2,269,291.04	708.96	Completed, NEC
b	Turbine Overhaul Units 1&2	1,750,000.00	2,174,175.00	2,174,175.00	1,797,218.93	(47,218.93)	Completed, TEMES
c	Water System Upgrade	1,041,128.00	215,000.00	216,610.00	188,287.00	852,841.00	Completed, TEMES
d	Replace 13.8kV, 480V Switchboard, 480V MCC, Station Service TR, Power and Control Cables	1,210,000.00	1,209,472.00	1,209,472.00	1,209,472.00	528.00	Completed, SCHNEIDER
e	Black Start Diesel Generator	70,000.00	47,333.00	47,333.00	47,333.00	22,667.00	Completed, TEMES
f	Replace DC Batteries	14,000.00	-	-	-	14,000.00	Completed, TEMES
	Subtotal	6,355,128.00	5,915,274.00	5,916,884.00	5,511,601.97	843,526.03	
2	**2014 Bond Funds**						
a	Control System Upgrade - Turbine Vibration Monitoring System Repair	300,000.00	300,000.00	300,000.00	300,000.00	0	Completed, SCHNEIDER
b	Replace DC Batteries	36,000.00	-	-	-	36,000.00	Completed, TEMES
c	Lubricating Oil	80,000.00	55,331.00	55,331.00	55,331.00	24,669.00	Completed, PPC
d	Turbine Overhaul Units 1&2 - Consumable Material	320,000.00	-	-	-	320,000.00	Completed ,TEMES
	Subtotal	736,000.00	355,331.00	355,331.00	355,331.00	380,669.00	
3	**Revenue Funds**						
a	Air Intake System Repair	371,370.00	422,157.00	422,157.00	458,655.00	(87,285.00)	Completed, TEMES
b	Air Cooling Tower System Replacement	717,061.00	727,061.00	727,061.00	727,055.00	(9,994.00)	Completed, TEMES
c	Outdoor BOP for FO and Raw Water System	255,683.00	305,104.00	305,104.00	299,235.00	(43,552.00)	Completed, TEMES
d	Control System Upgrade - Turbine & Generator	500,000.00	500,000.00	500,000.00	500,000.00	0	Completed, TEMES
e	Control System Upgrade - Auto Voltage Regulator Repair	120,000.00	120,000.00	120,000.00	120,000.00	0	Completed, SCHNEIDER
f	Control System Upgrade - Generator Control Panel Repair	160,000.00	160,000.00	160,000.00	160,000.00	0	Completed, SCHNEIDER
g	I&C Equipment BOP	70,000.00	13,625.00	13,625.00	13,625.00	56,375.00	Completed, TEMES
h	Fire Protection System Repair	300,000.00	270,000.00	270,000.00	268,286.00	31,714.00	Completed, TEMES
i	Switchyard MTR	85,000.00	107,378.00	107,378.00	107,356.00	(22,356.00)	Completed, TEMES
j	Crane Repair	28,000.00	-	-	-	28,000.00	Completed, TEMES
	Subtotal	2,607,114.00	2,625,325.00	2,625,325.00	2,654,212.00	(47,098.00)	
4	**SUMMARY**						
	Reallocated Bond Funds	6,355,128.00	5,915,274.00	5,916,884.00	5,511,601.97	438,244.00	
	2014 Bond Funds	736,000.00	355,331.00	355,331.00	355,331.00	380,669.00	
	Revenue Funds	2,607,114.00	2,625,325.00	2,625,325.00	2,654,212.00	(18,211.00)	
	Total Cost	9,698,242.00	8,895,930.00	8,897,540.00	8,521,144.97	1,177,097.03	

Facilities Physical Security

JRMA/SCB

Overall Status		Resources	Risks & Issues	Schedule	Scope	Financial	Assigned By
Design = 0% Construction = 0%	G	1. ENGINEERING 2. IT 3. SAFETY	G	G	G	G	JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
1. Review of the bid document's final draft is in-progress.	1. ENG'G. / PMM	1. Bid the project	09/28/18
2. On-going coordination with Safety and IT.	2. TBD	2. Design and Construction	12/31/19

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Facilities Physical Security

JRMA/SCB

Overall Status

G

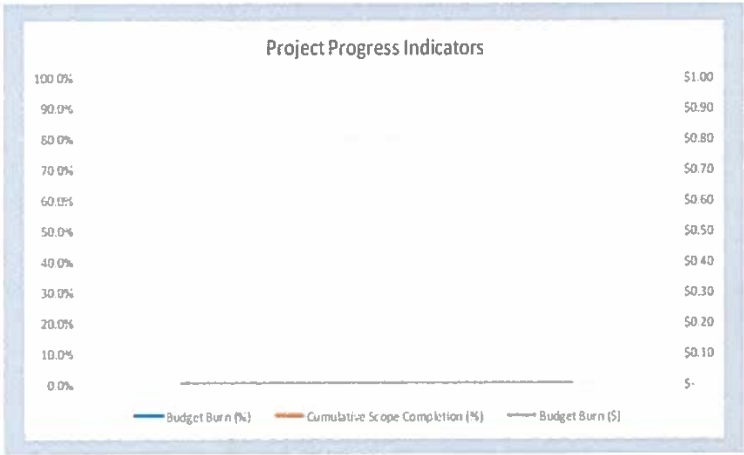
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. ENGINEERING
2. IT
3. SAFETY

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Bid the project	28-Sep-18				
Design and construction	31-Dec-19				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 1,350,000.00	$ 1,350,000.00	0
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

FACILITIES PHYSICAL SECURITY
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	**Design Phase**						
	Design Development	$75,000.00	$75,000.00	$0.00	$0.00	$75,000.00	as of 03/31/18
	Total Design Cost	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
2	**Construction Management**						
	Construction Support Services	$60,000.00	$60,000.00	$0.00	$0.00	$60,000.00	
	GPA In-House Labor/Field Work	$15,000.00	$15,000.00	$0.00	$0.00	$15,000.00	as of 03/31/18
	Total CM Cost	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
3	**Construction**						
	Construction/Installation	$1,200,000.00	$1,200,000.00	$0.00	$0.00	$1,200,000.00	
	Total Construction Cost	**$1,200,000.00**	**$1,200,000.00**	**$0.00**	**$0.00**	**$1,200,000.00**	
	SUMMARY						
4	**TOTAL DESIGN**	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
	TOTAL CONSTRUCTION MGMT	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
	TOTAL CONSTRUCTION RETROFIT	**$1,200,000.00**	**$1,200,000.00**	**$0.00**	**$0.00**	**$1,200,000.00**	
	TOTAL PROJECT COST	**$1,350,000.00**	**$1,350,000.00**	**$0.00**	**$0.00**	**$1,350,000.00**	

Macheche Combustion Turbine Return to Service HOE/ORE

Overall Status		Resources	Risks & Issues		Schedule		Scope		Financial		Assigned By
Macheche CT = 100%	G	1. ENGINEERING 2. GENERATION		G		G		G		G	JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
1. Processed Change Order invoice and forwarded to Accounting for disbursement.		None	

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Macheche Combustion Turbine Return to Service

HOE/ORE

Overall Status	G

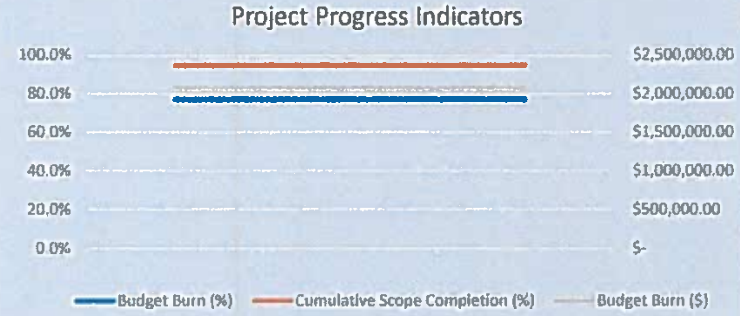
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. ENGINEERING
2. GENERATION

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Repair Work	30-Oct-16	12-Nov-16	13		Neutral
SAT	12-Nov-16	12-Nov-16	0		Early

Project Phase		Original Contract Budget	# Change Orders
Phase I	$ 2,692,500.00	$ 2,692,500.00	1
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

MACHECHE COMBUSTION TURBINE RETURN TO SERVICE
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	LM 2500 PE Engine and Power Turbine Exchange					23158 OP	
	Engine & Turbine Exchange	$ 2,550,000.00	$ 2,200,000.00	$ 2,200,000.00	$ 2,083,125.34	$ 466,874.66	Completed, TEMES
	GPA Labor	$ 15,000.00	$ 15,000.00	$ 8,674.38	$ 8,674.38	$ 6,325.62	As of 03/31/18
	Subtotal	$ 2,565,000.00	$ 2,215,000.00	$ 2,208,674.38	$ 2,091,799.72	$ 473,200.28	
2	TEMES Admin Fees						
	Administrative Fee	$ 127,500.00	$ 127,500.00	$ 114,587.00	$ -	$ 127,500.00	
	Subtotal	$ 127,500.00	$ 127,500.00	$ 114,587.00	$ -	$ 127,500.00	
3	Additional Scope						
	VSV Controller - Material	$ -	$ 41,235.00	$ 41,235.00	$ 41,235.00	0	Completed, TEMES
	VSV Controller - Installation	$ -	$ 18,838.00	$ 18,838.00	$ 18,838.00	0	Completed, TEMES
	Spare Fuel Nozzles	$ -	$ 32,566.00	$ 32,566.00	$ 32,566.00	0	Completed, TEMES
	Generator Proportional Band Adjustments	$ -	$ 9,940.00	$ 9,940.00	$ 9,940.00	0	Completed, TEMES
	Repair/modifications of air exhaust duct & diffuser, turbine enclosure vent duct damper, air inertial separator assembly, air intake chamber	$ -	$ 25,000.00	$ 25,000.00	$ 25,000.00	0	Completed, TEMES
	Air intake filter stainless steel screen installation and repainting of interior and exterior surfaces	$ -	$ 8,000.00	$ 8,000.00	$ 8,000.00	0	Completed, TEMES
	Subtotal	$ -	$ 135,579.00	$ 135,579.00	$ 135,579.00	0	
4	Standby Charges						
	McHale Performance Test - Standby Charges	$ -	$ 2,400.00	$ 2,400.00	$ 2,400.00	0	
	TRC Emission Test - Delay Charges	$ -	$ 11,090.00	$ 11,090.00	$ 11,090.00	0	
	Subtotal	$ -	$ 13,490.00	$ 13,490.00	$ 13,490.00	0	
5	SUMMARY						
	Engine & Turbine Exchange	$ 2,565,000.00	$ 2,215,000.00	$ 2,208,674.38	$ 2,091,799.72	$ 473,200.28	
	TEMES Admin Fee	$ 127,500.00	$ 127,500.00	$ 114,587.00	$ -	$ 127,500.00	
	Additional Scope	$ -	$ 135,579.00	$ 135,579.00	$ 135,579.00	0	
	Standby Charges	$ -	$ 13,490.00	$ 13,490.00	$ 13,490.00	0	
	Total Cost	$ 2,692,500.00	$ 2,491,569.00	$ 2,472,330.38	$ 2,240,868.72	$ 451,631.28	

Yigo Combustion Turbine Return to Service

HOE/ORE

Overall Status		Resources	Risks & Issues	Schedule	Scope	Financial	Assigned By
Yigo CT = 100%	G	1. ENGINEERING 2. GENERATION	G	G	G	G	JGA

Updates & Accomplishments for the Quarter	Resource	Upcoming Tasks / Open Items	ECD
None		None	

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

Yigo Combustion Return to Service

HOE/ORE

Overall Status	G

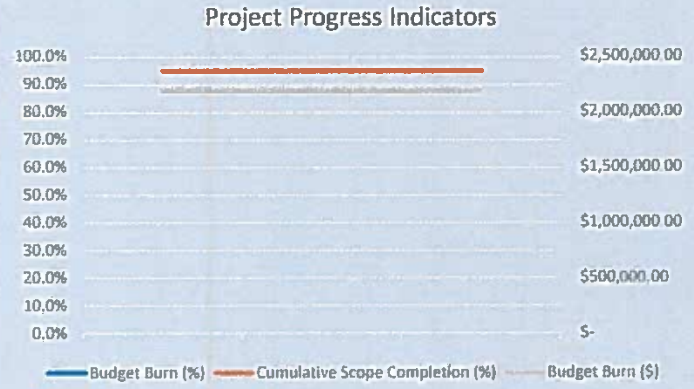
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. GENERATION
2. ENGINEERING

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Repair Work	3-Jun-16	6-Jul-16	33		Very Late
SAT	6-Jul-16	6-Jul-16	0		Early

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 2,300,000.00	$ 2,300,000.00	0
Phase II			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

YIGO COMBUSTION TURBINE RETURN TO SERVICE
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
1	LM 2500 PE Engine and Power Turbine Exchange					22905 OP	
	Engine & Turbine Exchange	$ 2,300,000.00	$ 2,300,000.00	$ 2,300,000.00	$ 2,185,000.00	$ 115,000.00	Completed, TEMES
	Subtotal	$ 2,300,000.00	$ 2,300,000.00	$ 2,300,000.00	$ 2,185,000.00	$ 115,000.00	
3	SUMMARY						
	Engine & Turbine Exchange	$ 2,300,000.00	$ 2,300,000.00	$ 2,300,000.00	$ 2,185,000.00	$ 115,000.00	
	Total Cost	$ 2,300,000.00	$ 2,300,000.00	$ 2,300,000.00	$ 2,185,000.00	$ 115,000.00	

Remote Start Capability of Generation Peaking Units (Tenjo Vista) HOE/ORE

Overall Status	G
Conceptual Design = 100%	

Resources

1. ENGINEERING
2. GENERATION
3. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Review LEIDOS submittal on Task 4 (Infrastructure Assessment) – 01/09/18
2. Review LEIDOS submittal on Task 5 (Implementation Plan) – 01/12/18
3. Transmit approved purchase order to LEIDOS – 01/17/18
4. Review LEIDOS submittal on Task 6 & 7 (Performance Based Specification Development & Cost Estimate) – 01/18/18
5. Process & approve LEIDOS progress payment no. 1 – 02/15/18
6. Prepare bid package documents – 02/23/18

Resource	Upcoming Tasks / Open Items	ECD
1. ENG'G. / SPORD	1. Bid package review, comments & approval	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

4/10/2018

1

Remote Start Capability of Generation Peaking Units (Tenjo Vista) HOE/ORE

Overall Status	G

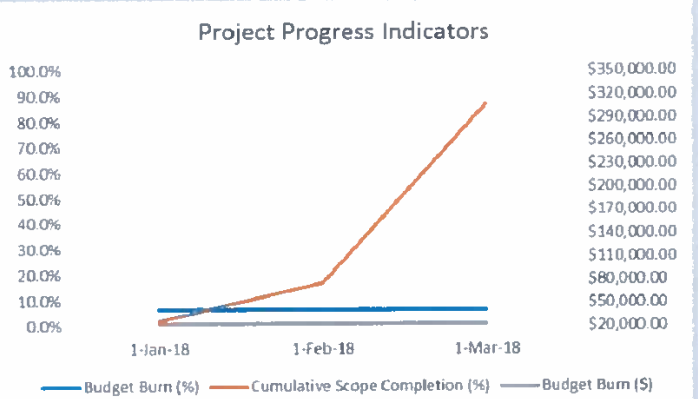
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. ENGINEERING
2. GENERATION
3. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Kickoff Call/Data Request	27-Nov-17	27-Nov-17	0		Early
Data Request	11-Dec-17	11-Dec-17	0		Early
Conceptual Design	11-Dec-17	11-Dec-17	0		Early
Infrastructure Assessment	29-Dec-17	29-Dec-17	0		Early
Plan, Specs. & Cost Estimate	18-Jan-18	18-Jan-18	0		Early
Bid Package	23-Feb-18	23-Feb-18	0		Early

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 350,000.00	$ 350,000.00	0
Phase II			

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

REMOTE START CAPABILITY OF GENERATION PEAKING UNITS
Quarterly Compliance Report
January - March 2018

ITEM	DESCRIPTION	APPROVED BUDGET	LATEST ENGINEERING ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPROVED BUDGET	REMARKS
	DESIGN PHASE						
1	Design Development	$ 150,000.00	$ 150,000.00	$ 46,500.00	$ 22,829.00	$ 103,500.00	as of 03/31/18, LEIDOS
	TOTAL DESIGN COST						
	CONSTRUCTION MANAGEMENT						
2	GPA In-House Labor / Fieldwork	$ 15,000.00	$ 15,000.00	$ -	$ -	$ 15,000.00	
	TOTAL CM COST						
	CONSTRUCTION						
3	Construction / Installation	$ 185,000.00	$ 185,000.00	$ -	$ -	$ 185,000.00	
	TOTAL CONSTRUCTION COST						
4	**SUMMARY**						
	TOTAL DESIGN COST	$ 150,000.00	$ 150,000.00	$ 46,500.00	$ 22,829.00	$ 103,500.00	
	TOTAL CM COST	$ 15,000.00	$ 15,000.00	$ -	$ -		
	TOTAL CONSTRUCTION COST	$ 185,000.00	$ 185,000.00	$ -	$ -		
	Total Cost	$ 350,000.00	$ 350,000.00	$ 46,500.00	$ 22,829.00	$ 327,171.00	

Engineering Substation / Transmission Project Status Reports

January – March 2018

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

Engineering Substation/Transmission
Capital Improvement Projects

Submitted herewith are the **January – March 2018** Progress and Compliance Reports for the following projects:

	Project Name	Job Order No.	Engineer
1.	Generator Protection Upgrade with Fault Recorders	100254	W.T. Chen
2.	Piti 115 KV GIS Major Maintenance	100256	J.L. Quinto
3.	Substation Major Refurbishment – Power Transformer	100257	N.T. Guerrero
4.	Agat Shoreline Pole Restoration Project	100261	J.U. Pabunan
5.	System Protection Improvement & Capacitor Bank Controllers	100262	A.B. Salomon
6.	Dededo Substation Capacitor Bank	100263	N.J. Bacsafra
7.	Network Communications – Fiber to Fadian Complex	100268	A.B. Salomon

Irwin B. Loyola, P.E.

SUBSTATION ENGINEERING
Project Compliance Report Summary
January 2018 - March 2018

	Project	Approved Budget	Latest Eng'g. Estimate	Commitment to Date	Actuals	Balance of Appr'd Budget
1	Generator Protection Upgrade with Fault Recorders	580,000	580,000	201,108	201,108	378,892
2	Piti 115 kV GIS Major Maintenance	2,637,300	2,637,300	0	0	2,637,300
3	Substation Major Refurbishment - Power Transformer	540,000	540,000	322,638	322,638	217,362
4	Agat Shoreline Pole Restoration Project	384,000	384,000	82,597	73,228	310,772
5	System Protection Improvement & Capacitor Bank Controllers	1,312,000	1,312,000	120,601	120,601	1,191,399
6	Dededo Substation Capacitor Bank	165,000	165,000	0	0	165,000
7	Network Communications - Fiber to Fadian Complex	1,100,000	1,100,000	341,560	341,560	758,440

Generator Protection Upgrade w/ Fault Recorders J.O. 100254

WTC

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. T&D Relay Shop
3. PSCC SCADA
4. Generation

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Performed wire-tracing to produce as-built drawings of the existing generator protection related devices and equipments at Macheche CT.

Resource	Upcoming Tasks / Open Items	ECD
1. Engineering 2. T&D Relay Shop 3. PSCC SCADA 4. Generation	1. Connect GPS clock to Tenjo Vista Units 1 to 6 generator. 2. Upgrade from existing generator protection relays to SEL-700G1+ generator protection relays (primary and backup) for Macheche CT generator. 3. Upgrade from existing generator protection relays to SEL-700G1+ generator protection relays (primary and backup) for Yigo CT generator.	4/1/18 5/1/18 6/1/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Generator outage schedule. 2. T&D Relay Shop Schedule.			

Legend:

No corrective action required

Near-term corrective action required

Requires immediate attention

Generator Protection Upgrade w/ Fault Recorders J.O. 100254

WTC

Overall Status	G

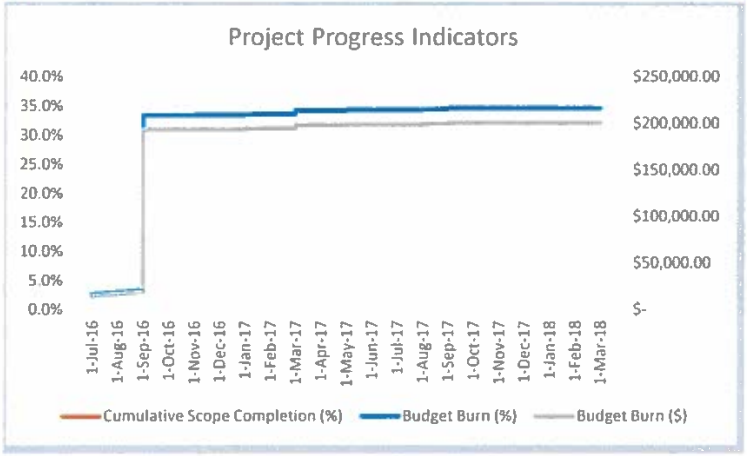
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. T&D Relay Shop
3. PSCC SCADA
4. Generation

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Construction	31-Dec-19				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
	$ 580,000.00	$ 580,000.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

GENERATOR PROTECTION UPGRADE WITH FAULT RECORDERS
Quarterly Compliance Report
Jan - Mar 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Design						
1	Engineering Design	$70,000.00	$10,000.00	$0.00	$0.00	$70,000.00	
	Total Design Cost	**$70,000.00**	**$10,000.00**	**$0.00**	**$0.00**	**$70,000.00**	
	Equipment/Materials						
2	SEL-700G1+ Relays	$89,000.00	$162,000.00	$78,384.00	$78,384.00	$10,616.00	22952 OP
3	Tesla 4003 Fault Recorders	$111,000.00	$103,000.00	$85,826.95	$85,826.95	$25,173.05	22950 OP 22951 OP
4	Materials	$50,000.00	$50,000.00	$36,896.81	$36,896.81	$13,103.19	22950 OP 23596 OP 23597 OP 22951 OP 23598 OP 23667 OP 22953 OP 23668 OP
	Total OFE Cost	**$250,000.00**	**$315,000.00**	**$201,107.76**	**$201,107.76**	**$48,892.24**	
	Construction Management						
5	Construction Engineering	$60,000.00	$55,000.00	$0.00	$0.00	$60,000.00	
6	On-site Construction Management	$50,000.00	$50,000.00	$0.00	$0.00	$50,000.00	
	Total CM Cost	**$110,000.00**	**$105,000.00**	**$0.00**	**$0.00**	**$110,000.00**	
	Construction						
7	T&D Field Work	$150,000.00	$150,000.00	$0.00	$0.00	$150,000.00	
	Total Construction Cost	**$150,000.00**	**$150,000.00**	**$0.00**	**$0.00**	**$150,000.00**	
	SUMMARY						
26	**TOTAL DESIGN**	**$70,000.00**	**$10,000.00**	**$0.00**	**$0.00**	**$70,000.00**	
27	**TOTAL EQUIPMENT/MATERIALS**	**$250,000.00**	**$315,000.00**	**$201,107.76**	**$201,107.76**	**$48,892.24**	
28	**TOTAL CONSTRUCTION MGMT**	**$110,000.00**	**$105,000.00**	**$0.00**	**$0.00**	**$110,000.00**	
29	**TOTAL CONSTRUCTION**	**$150,000.00**	**$150,000.00**	**$0.00**	**$0.00**	**$150,000.00**	
30	**TOTAL PROJECT COST**	**$580,000.00**	**$580,000.00**	**$201,107.76**	**$201,107.76**	**$378,892.24**	

Piti 115kV GIS Major Maintenance J.O. 100256

JLQ

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. Procurement
3. Management
4. Budget
5. Contractor

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Engineering prepared memo requesting for additional budget funding for CCU and PUC approval 1/12/18. – Approved.
2. With the approval of additional funding, the Bid Committee submitted the evaluation of price proposal – Step Two. Recommending to award the GIS major maintenance work to AYM International 3/21/18.
3. New budget totaling $2,637,300 is being cleared at Budget section 3/21/18.

Resource	Upcoming Tasks / Open Items	ECD
1. Eng, Budgt, Mgmnt, & Prcmnt	1. Budget clearance for the CCU-approved and PUC-approved Additional Funding Request.	5/30/18
2. Prcmnt	2. Notification of successful bidder. Award and Issuance of NTP.	6/30/18
3. Eng & Contractor	3. Construction commence.	6/30/18
4. Eng & Contractor	4. Project Completion (12 Months).	4/30/19

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Bid submittal over budget. 2. Substation outage scheduling.			

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

1/8/2018

1

Piti 115kV GIS Major Maintenance J.O. 100256

JLQ

Overall Status	G

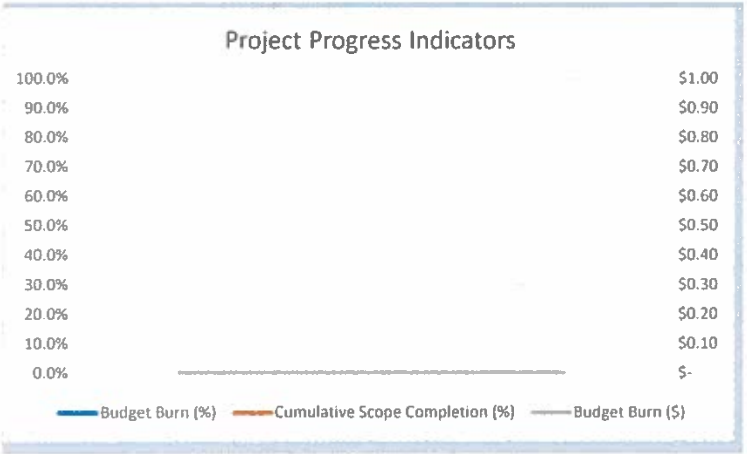
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. Procurement
3. Management
4. Budget
5. Contractor

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Design	12-Dec-16	12-Dec-16			
Construction	30-Apr-19				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
	$ 2,637,300.00	$ 2,637,300.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

PITI 115KV GIS MAJOR MAINTENANCE
Quarterly Compliance Report
January - March 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Design						
1	In-house Design Development	$25,000.00	$25,000.00			$25,000.00	
2	Advertise/Bid/Award	$5,000.00	$5,000.00			$5,000.00	
	Total Design Cost	**$30,000.00**	**$30,000.00**	**$0.00**	**$0.00**	**$30,000.00**	
	Construction Management						
3	Construction Engineering	$20,000.00	$20,000.00			$20,000.00	
4	On-site Construction Management	$30,000.00	$30,000.00			$30,000.00	
5	T&D Field Work	$50,000.00	$50,000.00			$50,000.00	
	Total CM Cost	**$100,000.00**	**$100,000.00**	**$0.00**	**$0.00**	**$100,000.00**	
	Construction						
6	Mobilization/Demobilization	$436,800.00	$436,800.00			$436,800.00	
7	GIS Major Maintenance 115kV	$1,549,000.00	$1,549,000.00			$1,549,000.00	
8	GIS Spare Parts	$165,000.00	$165,000.00			$165,000.00	
9	SF6 Gas and Filling	$72,500.00	$72,500.00			$72,500.00	
10	Testing	$212,000.00	$212,000.00			$212,000.00	
11	GIS Training	$72,000.00	$72,000.00			$72,000.00	
	Total Construction Cost	**$2,507,300.00**	**$2,507,300.00**	**$0.00**	**$0.00**	**$2,507,300.00**	
	SUMMARY						
12	**TOTAL DESIGN**	**$30,000.00**	**$30,000.00**	**$0.00**	**$0.00**	**$30,000.00**	
13	**TOTAL CONSTRUCTION MGMT**	**$100,000.00**	**$100,000.00**	**$0.00**	**$0.00**	**$100,000.00**	
14	**TOTAL CONSTRUCTION**	**$2,507,300.00**	**$2,507,300.00**	**$0.00**	**$0.00**	**$2,507,300.00**	
15	**TOTAL PROJECT COST**	**$2,637,300.00**	**$2,637,300.00**	**$0.00**	**$0.00**	**$2,637,300.00**	

Substation Major Refurbishment J.O. 100257

NTG

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. Procurement
3. T&D Substation
4. Contractor

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Coordination with T&D Substation for maintenance schedules for late April, 2018, which would later include the re-class of labor and equipment charges. The refurbish work may include radiator replacement and LTC maintenance and repair. (March 2018)
2. Coordination with Finance Division to clarify pending balances for requested reclassifications for completed transformer refurbishment projects. (January 2018)

Resource	Upcoming Tasks / Open Items	ECD
1. Eng / Finance	1. Submit follow-up request and reclass remaining charges for T700 refurbishment project. (Radiators)	02/20/18
2. Eng/T&D Substn	2. Coordinate with Engineering and T&D Substation on additional materials and equipment to be procured or reclassed for T75 refurbishment.	04/31/18
3. Eng/ Finance	3. Coordinate with Finance, Substation and Relay on the reclassification of charges to Refurbishment Work Order for the refurbishment of Barrigada Substation T75 transformer.	06/30/18
4. Eng / Finance	4. Coordinate final reclassification of charges associated with completed work with Finance and T&D (Substation and Relay) Divisions in preparation to close out job order.	07/31/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Bid submittal over budget. 2. Substation outage scheduling.			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Substation Major Refurbishment J.O. 100257

NTG

Overall Status	G

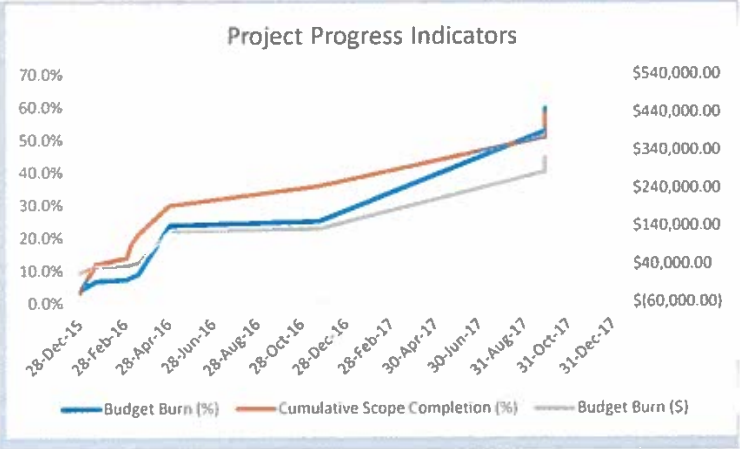
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. Procurement
3. T&D Substation
4. Contractor

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Construction	31-Dec-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
	$ 540,000.00	$ 540,000.00	0

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

SUBSTATION MAJOR REFURBISHMENT
Quarterly Compliance Report
January - March 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Transformer Equipment/Materials						
1	Transformer Radiator Fins Replacemen	$190,000.00	$190,000.00	$81,600.00	$81,600.00	$108,400.00	PO21195 T51 Radiator Reclass
2	Transformer Cooling Fans	$40,000.00	$40,000.00			$40,000.00	
3	Transformer Bushings	$40,000.00	$40,000.00	$36,305.88	$36,305.88	$3,694.12	PO21990/PO21991
4	Surge Arresters	$20,000.00	$20,000.00			$20,000.00	
5	Miscellaneous	$100,000.00	$100,000.00	$54,396.99	$54,396.99	$45,603.01	WO374722/OR27843/PO22686&22687/OR29208; OR29208/PO23035/WO422096/WO445486
	Total OFE Cost	**$390,000.00**	**$390,000.00**	**$172,302.87**	**$172,302.87**	**$217,697.13**	
	Construction Management						
6	Construction Engineering	$10,000.00	$10,000.00			$10,000.00	
7	On-site Construction Management	$5,000.00	$5,000.00			$5,000.00	
8	Other					$0.00	
	Total CM Cost	**$15,000.00**	**$15,000.00**	**$0.00**	**$0.00**	**$15,000.00**	
	Construction						
	BASIC						
9	T&D Field Work	$135,000.00	$135,000.00	$150,335.48	$150,335.48	($15,335.48)	WO370097/374722/353484/428435/422096/ 445486
	Total Construction Cost	**$135,000.00**	**$135,000.00**	**$150,335.48**	**$150,335.48**	**($15,335.48)**	
	SUMMARY						
10	**TOTAL EQUIPMENT/MATERIALS**	**$390,000.00**	**$390,000.00**	**$172,302.87**	**$172,302.87**	**$217,697.13**	
11	**TOTAL CONSTRUCTION MGMT**	**$15,000.00**	**$15,000.00**	**$0.00**	**$0.00**	**$15,000.00**	
12	**TOTAL CONSTRUCTION**	**$135,000.00**	**$135,000.00**	**$150,335.48**	**$150,335.48**	**($15,335.48)**	
13	**TOTAL PROJECT COST**	**$540,000.00**	**$540,000.00**	**$322,638.35**	**$322,638.35**	**$217,361.65**	

Agat Shoreline Restoration Project J.O. 100261

JUP

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering

Risks & Issues	Schedule	Cost	Quality
G	G	G	G

Updates & Accomplishments for the Quarter

1. SHPO approved the AMDP on 1/15/2018
2. An electronic copy was requested by USCOE for review of the final AMDP on 1/18/2018
3. USCOE responded favorably and approved our permit to proceed with construction with specific conditions on March 19, 2018.
4. Engineering is looking over all the plans and documents prior to final submittal from TG Engineers March 30,2018

Resource	Upcoming Tasks / Open Items	ECD
1. Engineering	1. Completion of review for all documentation	4/25/18
2. Engineering	2. Final submittal and hard copies by TG Engineers	5/14/18
3. Engineering	3. Finalize bid package	6/15/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
Construction permit delays Archaeological findings			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Agat Shoreline Restoration Project J.O. 100261

JUP

Overall Status	G

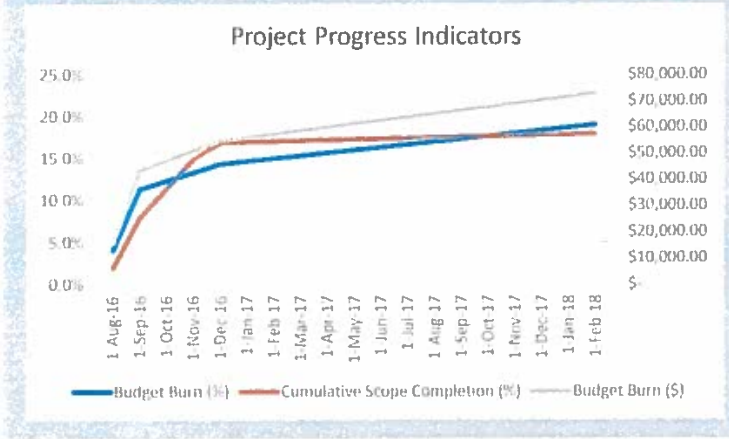
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Design	1-Aug-15	22-Apr-16			
Planned Finished Design	30-Nov-17				
Planned Start Construction	1-Mar-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 384,000.00	$ 384,000.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

4/11/2018

2

Agat Shoreline Restoration Project J.O. 100261

JUP

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. SHPO approved the AMDP on 1/15/2018
2. An electronic copy was requested by USCOE for review of the final AMDP on 1/18/2018
3. USCOE responded favorably and approved our permit to proceed with construction with specific conditions on March 19, 2018
4. Engineering is looking over all the plans and documents prior to final submittal from TG Engineers March 30,2018

Resource	Upcoming Tasks / Open Items	ECD
1. Engineering	1. Completion of review for all documentation	4/25/18
2. Engineering	2. Final submittal and hard copies by TG Engineers	5/14/18
3. Engineering	3. Finalize bid package	6/15/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
Construction permit delays Archaeological findings			

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

4/11/2018

1

Agat Shoreline Restoration Project J.O. 100261

JUP

Overall Status	G

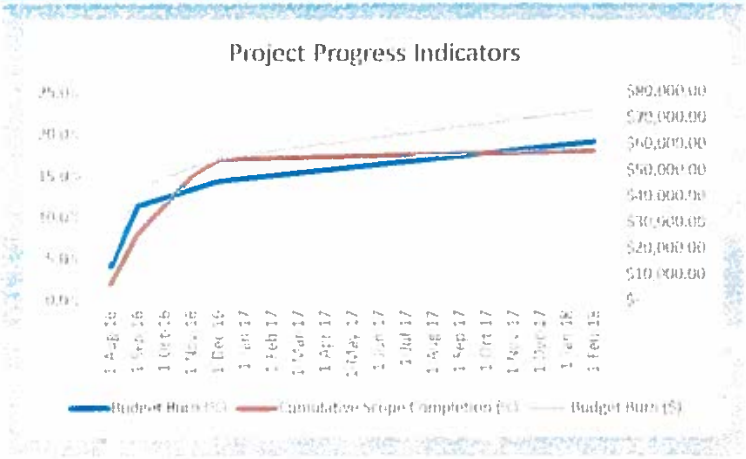
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering

G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Planned Start Design	1-Aug-15	22-Apr-16			
Planned Finished Design	30-Nov-17				
Planned Start Construction	1-Mar-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 384,000.00	$ 384,000.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

Agat Shoreline Pole Restoration Project
Quarterly Compliance Report
January - March 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMNT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	REMARKS (STATUS OF ACTIVITY)
	Design						
1	A/E Design	$15,000.00	$15,000.00	$82,596.87	$73,228.17	($58,228.17)	22885 OP (TG Engineers) Amended 10/10/17
	Total Design Cost	**$15,000.00**	**$15,000.00**	**$82,596.87**	**$73,228.17**	**($58,228.17)**	
	Owner-Furnished Equipment						
2		$0.00	$0.00	$0.00	$0.00	$0.00	
	Total OFE Cost	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	
	Construction Management						
3	On-site Construction Management	$2,000.00	$2,000.00	$0.00	$0.00	$2,000.00	
4	T&D Field Work	$3,000.00	$3,000.00	$0.00	$0.00	$3,000.00	
	Total CM Cost	**$5,000.00**	**$5,000.00**	**$0.00**	**$0.00**	**$5,000.00**	
	Construction						
5	Mobilization/Demobilization	$30,000.00	$30,000.00	$0.00	$0.00	$30,000.00	
6	Clearing/Grubbing	$30,000.00	$30,000.00	$0.00	$0.00	$30,000.00	
7	Concrete Caisson Foundation	$75,000.00	$75,000.00	$0.00	$0.00	$75,000.00	
8	Rock Wall Riprap	$179,000.00	$179,000.00	$0.00	$0.00	$179,000.00	
	Sub-Total (Bid Schedule A)	**$314,000.00**	**$314,000.00**	**$0.00**	**$0.00**	**$314,000.00**	
	Additive Bid Option						
9	Archaeological Survey	$50,000.00	$50,000.00	$0.00	$0.00	$50,000.00	
	Total Additive Bid Option	**$50,000.00**	**$50,000.00**	**$0.00**	**$0.00**	**$50,000.00**	
	Total Construction Cost	**$364,000.00**	**$364,000.00**	**$0.00**	**$0.00**	**$364,000.00**	
10	**TOTAL DESIGN**	**$15,000.00**	**$15,000.00**	**$82,596.87**	**$73,228.17**	**($58,228.17)**	
11	**TOTAL OFE**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	
12	**TOTAL CONSTRUCTION MGMT**	**$5,000.00**	**$5,000.00**	**$0.00**	**$0.00**	**$5,000.00**	
13	**TOTAL CONSTRUCTION**	**$364,000.00**	**$364,000.00**	**$0.00**	**$0.00**	**$364,000.00**	
14	**TOTAL PROJECT COST**	**$384,000.00**	**$384,000.00**	**$82,596.87**	**$73,228.17**	**$310,771.83**	

System Protection Improvement & Capacitor Bank Controllers JO#100262

ABS

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engg
2. T&D
3. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. In the process of completing and finalizing the technical specifications and cost estimate of implementing SEL ICON for network communications.
2. Specified the technical specification of the system protection upgrade relays to be implemented under Renewable Project - Phase II.

Resource	Upcoming Tasks / Open Items	ECD
1. Engg, T&D, SPORD	1. Installation of SEL ICON for network communications.	1/31/2019

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Installation scheduling 2. Outage scheduling 3. Time of completion of Fiber to Fadian Project		1.	1.

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

System Protection Improvement & Capacitor Bank Controllers JO#100262

ABS

Overall Status	G

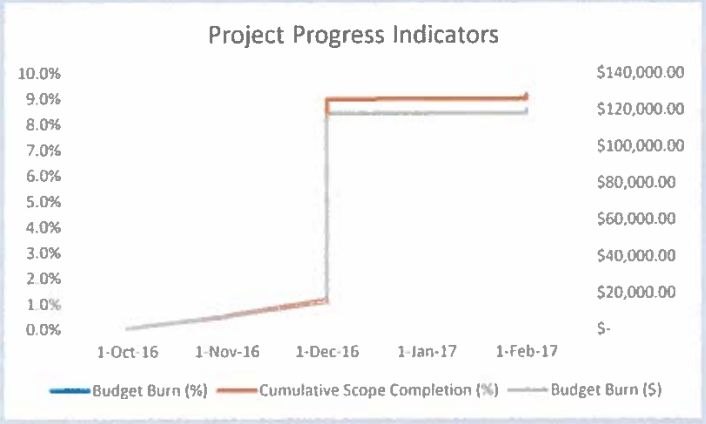
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engg
2. T&D
3. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Construction	31-Dec-19				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
	$ 1,312,000.00	$ 1,312,000.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

SYSTEM PROTECTION IMPROVEMENT AND CAPACITOR BANK CONTROLLERS
Quarterly Compliance Report
January - March 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Design						
1	Engineering Design	$85,000.00	$85,000.00	$0.00	$0.00	$85,000.00	
	Total Design Cost	**$85,000.00**	**$85,000.00**	**$0.00**	**$0.00**	**$85,000.00**	
	Equipment/Materials						
2	SEL-311A	$321,000.00	$0.00	$0.00	$0.00	$321,000.00	
3	SEL-311C	$75,000.00	$396,000.00	$76,934.00	$76,934.00	($1,934.00)	23244
4	SEL-421	$30,000.00	$30,000.00	$26,139.00	$26,139.00	$3,861.00	23244
5	SEL-487V	$30,000.00	$30,000.00	$0.00	$0.00	$30,000.00	
5	SEL-2032	$10,000.00	$10,000.00	$0.00	$0.00	$10,000.00	
6	Terminal Blocks, 12 Pt	$5,000.00	$5,000.00	$1,339.00	$1,339.00	$3,661.00	23305
7	Terminal Blocks, 6 Pt	$3,000.00	$3,000.00	$645.50	$645.50	$2,354.50	23305
8	Test Switches	$0.00	$10,000.00	$8,031.50	$8,031.50	($8,031.50)	23306
9	Wires 4C #10	$20,000.00	$20,000.00	$1,812.00	$1,812.00	$18,188.00	23144
10	Wires #10	$30,000.00	$30,000.00	$720.00	$720.00	$29,280.00	23144
11	Wires #12	$10,000.00	$10,000.00	$4,335.00	$4,335.00	$5,665.00	23143/23144
12	Fuses	$11,000.00	$11,000.00	$645.10	$645.10	$10,354.90	23144
13	Communication Cables	$50,000.00	$40,000.00	$0.00	$0.00	$50,000.00	
14	Miscellaneous Materials	$5,000.00	$5,000.00	$0.00	$0.00	$5,000.00	
	Total OFE Cost	**$600,000.00**	**$600,000.00**	**$120,601.10**	**$120,601.10**	**$479,398.90**	
	Construction Management						
5	Construction Engineering	$120,000.00	$120,000.00	$0.00	$0.00	$120,000.00	
6	On-site Construction Management	$75,000.00	$75,000.00	$0.00	$0.00	$75,000.00	
	Total CM Cost	**$195,000.00**	**$195,000.00**	**$0.00**	**$0.00**	**$195,000.00**	
	Construction						
7	T&D Field Work	$432,000.00	$432,000.00	$0.00	$0.00	$432,000.00	
	Total Construction Cost	**$432,000.00**	**$432,000.00**	**$0.00**	**$0.00**	**$432,000.00**	
	SUMMARY						
26	**TOTAL DESIGN**	**$85,000.00**	**$85,000.00**	**$0.00**	**$0.00**	**$85,000.00**	
27	**TOTAL EQUIPMENT/MATERIALS**	**$600,000.00**	**$600,000.00**	**$120,601.10**	**$120,601.10**	**$479,398.90**	
28	**TOTAL CONSTRUCTION MGMT**	**$195,000.00**	**$195,000.00**	**$0.00**	**$0.00**	**$195,000.00**	
29	**TOTAL CONSTRUCTION**	**$432,000.00**	**$432,000.00**	**$0.00**	**$0.00**	**$432,000.00**	
30	**TOTAL PROJECT COST**	**$1,312,000.00**	**$1,312,000.00**	**$120,601.10**	**$120,601.10**	**$1,191,398.90**	

Dededo Substation Capacitor Bank JO#100263

JDB

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering
2. Procurement
3. T & D
4. Contractor

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Preparing AutoCAD Drawing
2. Revising the Specification
3. Preparing the Bid Documents

Resource	Upcoming Tasks / Open Items	ECD
1. Engineering/ Procurement 2. Engineering	1. Create requisition for construction and supply 2. Construction	4/19/18 09/01/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Over budget 2. Construction Permit			

Legend:

No corrective action required

Near-term corrective action required

Requires immediate attention

4/11/2018

1

Dededo Substation Capacitor Bank JO#100263

JDB

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engineering

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Design	15-Nov-17				
Construction	31-Dec-18				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I	$ 165,000.00	$ 165,000.00	0

Legend:

- No corrective action required
- Near-term corrective action required
- Requires immediate attention

DEDEDO SUBSTATION CAPACITOR BANK
Quarterly Compliance Report
January - March 2018

	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Design						
1	Engineering Design	$6,000.00	$6,000.00	$0.00	$0.00	$6,000.00	
	Total Design Cost	**$6,000.00**	**$6,000.00**	**$0.00**	**$0.00**	**$6,000.00**	
	Equipment/Materials						
2	Substation Capacitor Bank	$118,000.00	$118,000.00	$0.00	$0.00	$118,000.00	
	Total OFE Cost	**$118,000.00**	**$118,000.00**	**$0.00**	**$0.00**	**$118,000.00**	
	Construction Management						
3	Construction Engineering	$2,000.00	$2,000.00	$0.00	$0.00	$2,000.00	
4	On-site Construction Management	$2,000.00	$2,000.00				
5	T&D Labor	$7,000.00	$7,000.00	$0.00	$0.00	$7,000.00	
	Total CM Cost	**$11,000.00**	**$11,000.00**	**$0.00**	**$0.00**	**$9,000.00**	
	Construction						
6	Mobilization and Demobilization	$7,000.00	$7,000.00	$0.00	$0.00	$7,000.00	
7	Capacitor Bank Concrete Pad	$15,000.00	$15,000.00	$0.00	$0.00	$15,000.00	
8	Control Wiring	$3,000.00	$3,000.00	$0.00	$0.00	$3,000.00	
9	Miscellaneous Materials	$5,000.00	$5,000.00	$0.00	$0.00	$5,000.00	
	Total Construction Cost	**$30,000.00**	**$30,000.00**	**$0.00**	**$0.00**	**$30,000.00**	
	SUMMARY						
26	**TOTAL DESIGN**	**$6,000.00**	**$6,000.00**	**$0.00**	**$0.00**	**$6,000.00**	
27	**TOTAL EQUIPMENT/MATERIALS**	**$118,000.00**	**$118,000.00**	**$0.00**	**$0.00**	**$118,000.00**	
28	**TOTAL CONSTRUCTION MGMT**	**$11,000.00**	**$11,000.00**	**$0.00**	**$0.00**	**$11,000.00**	
29	**TOTAL CONSTRUCTION**	**$30,000.00**	**$30,000.00**	**$0.00**	**$0.00**	**$30,000.00**	
30	**TOTAL PROJECT COST**	**$165,000.00**	**$165,000.00**	**$0.00**	**$0.00**	**$165,000.00**	

Network Communications – Fiber to Fadian Complex JO#100268

ABS

Overall Status	G

Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engg
2. PSCC
3. IT
4. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments for the Quarter

1. Completed technical and price proposal evaluation of Multi-Step Bid No. GPA-094-17 Fiber to Fadian Project Design and Construction on November 24, 2017 and December 27, 2017 respectively.

Resource	Upcoming Tasks / Open Items	ECD
1. Engg, PSCC, IT, SPORD	1. Contract approval, award and issuance of NTP.	TBD

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Construction permit delay		1.	1.

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Network Communications – Fiber to Fadian Complex JO#100268

ABS

Overall Status	G

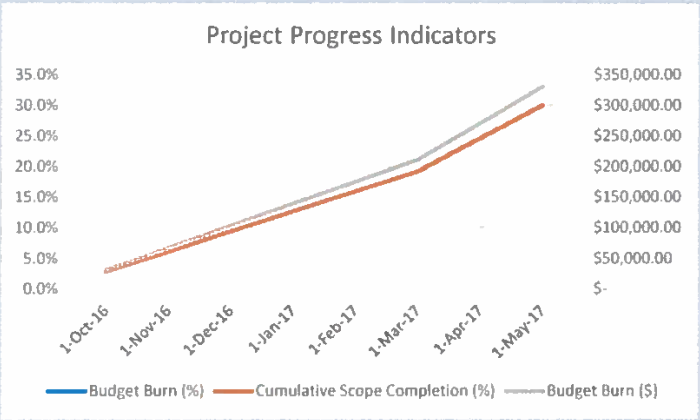
Burn Rate	This Quarter	Last Quarter	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved			

Resources

1. Engg
2. PSCC
3. IT
4. SPORD

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	Actual Completion Date	Performance (Days Over/Under)	Color Performance Indicator	Performance
Phase 1/2	15-May-17	3-May-17			
Phase 2/2 Construction	29-Jun-19				

Project Phase	Original Contract Budget	Current Budget	# Change Orders
Phase I and II	$ 1,100,000.00	$ 1,100,000.00	0

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

NETWORK COMMUNICATIONS - FIBER TO FADIAN COMPLEX
Quarterly Compliance Report
January - March 2018

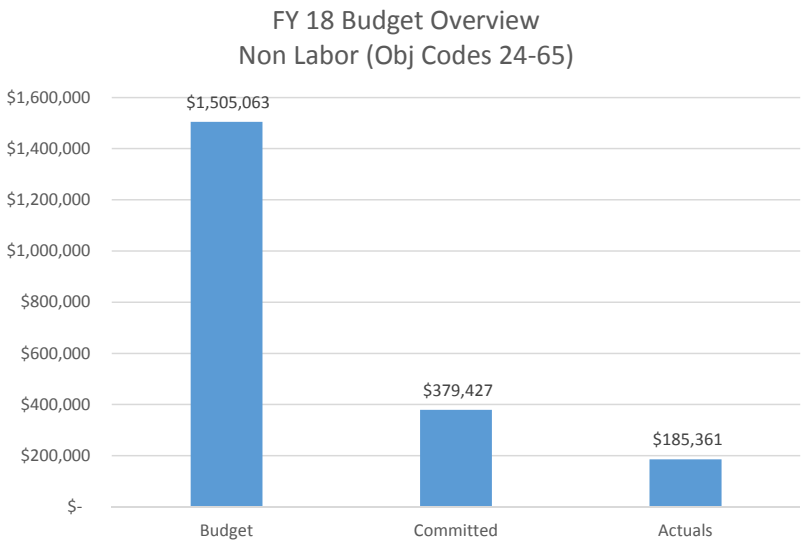
	DESCRIPTION OF WORK	APPROVED BUDGET	LATEST ENG'G ESTIMATE	COMMITMENT TO DATE	ACTUAL EXPENDITURE	BALANCE OF APPR'D BUDGET	Remarks
	Design						
1	Engineering Design	$75,000.00	$75,000.00	$0.00	$0.00	$75,000.00	
	Total Design Cost	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
	Construction Management						
2	Construction Engineering	$20,000.00	$20,000.00	$0.00	$0.00	$20,000.00	
3	On-site Construction Management	$15,000.00	$15,000.00	$10,914.72	$10,914.72	$4,085.28	
	Total CM Cost	**$35,000.00**	**$35,000.00**	**$10,914.72**	**$10,914.72**	**$24,085.28**	WO 445867
	Construction						
4	**Mobilization and Demobilization**	$100,000.00	$100,000.00	$12,350.00	$12,350.00	$87,650.00	PO 22935
5	**Permits**	$50,000.00	$50,000.00	$12,350.00	$12,350.00	$37,650.00	PO 22935
6	**Pagat to Fadian Fiber**	$150,000.00	$150,000.00	$0.00	$0.00	$150,000.00	
7	**Latte Heights to Route 1 Fiber**	$50,000.00	$50,000.00	$0.00	$0.00	$50,000.00	
8	**Macheche to Dededo Fiber**	$110,000.00	$110,000.00	$0.00	$0.00	$110,000.00	
9	**GWA (Tumon) to Route 1 Fiber**	$50,000.00	$50,000.00	$0.00	$0.00	$50,000.00	
10	**Talofofo to Dandan Fiber**	$160,000.00	$160,000.00	$285,624.63	$285,624.63	($125,624.63)	PO 22935
11	**Miscellaneous Materials**	$270,000.00	$270,000.00	$11,142.17	$11,142.17	$258,857.83	
12	**Testing**	$50,000.00	$50,000.00	$9,178.52	$9,178.52	$40,821.48	
	Total Construction Cost	**$990,000.00**	**$990,000.00**	**$330,645.32**	**$330,645.32**	**$659,354.68**	
	SUMMARY						
26	**TOTAL DESIGN**	**$75,000.00**	**$75,000.00**	**$0.00**	**$0.00**	**$75,000.00**	
28	**TOTAL CONSTRUCTION MGMT**	**$35,000.00**	**$35,000.00**	**$10,914.72**	**$10,914.72**	**$24,085.28**	
29	**TOTAL CONSTRUCTION**	**$990,000.00**	**$990,000.00**	**$330,645.32**	**$330,645.32**	**$659,354.68**	
30	**TOTAL PROJECT COST**	**$1,100,000.00**	**$1,100,000.00**	**$341,560.04**	**$341,560.04**	**$758,439.96**	

SPORD CCU Report

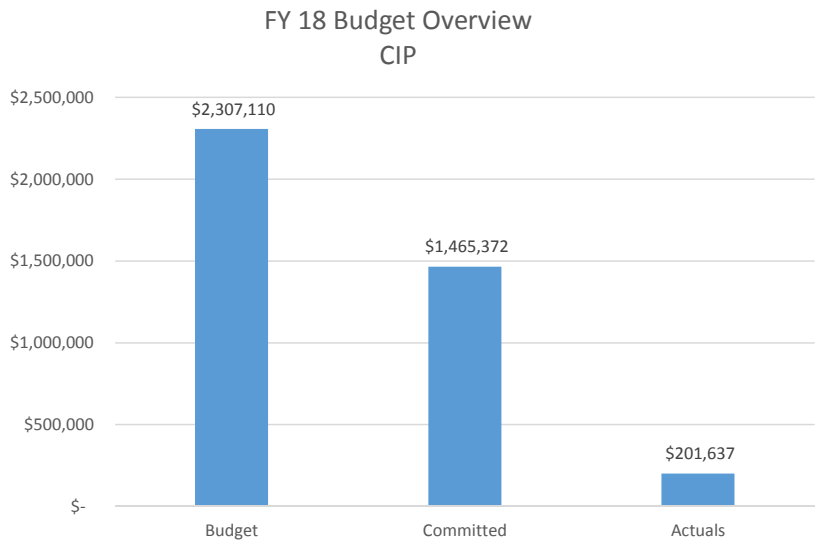
March 2018

SPORD FY 2018 Budget Status

- SPORD O&M:



- CIP



2

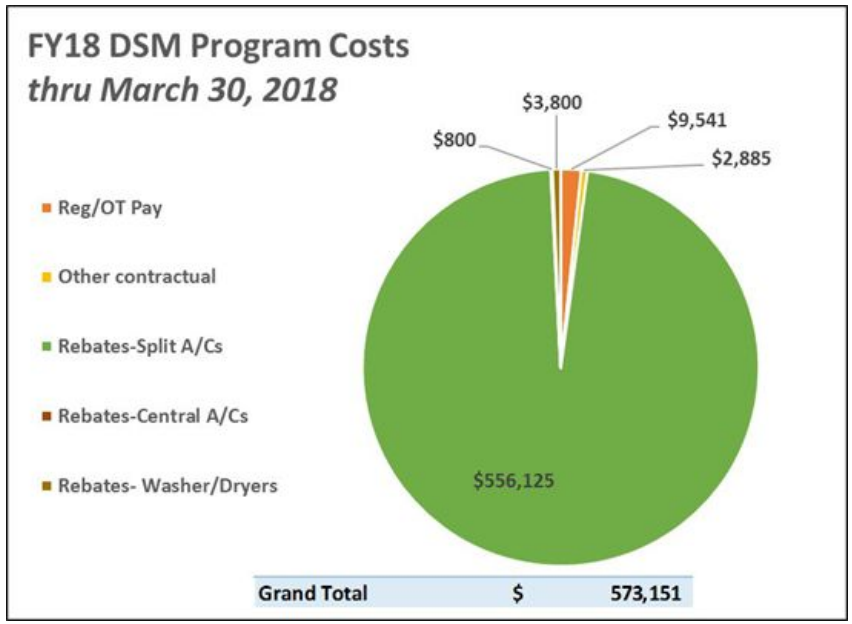
SPORD FY 2018 Budget Status

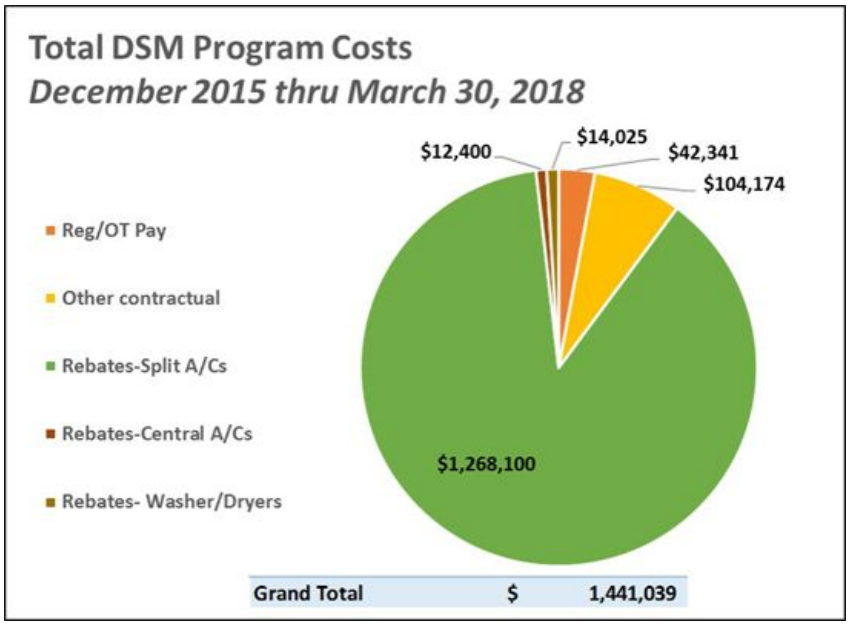
- Major Contracts (Non-O&M) thru March 2018

	Annual Contract Amount	Actuals	Balance
Aggreko Contract	$ 10,983,096	$ 4,825,732	$ 6,157,364
Fuel Contracts	$ 200,124,429	$ 96,205,313	$ 103,919,116
MEC IPP (Piti 8&9)	$ 31,909,347	$ 15,834,882	$ 16,074,465
NRG Contract (Renewable)	$ 10,170,682	$ 4,689,457	$ 5,481,225

SPORD FY 2018 Budget Status

- DSM Expenses





4

Ongoing Activities

- Contract Performance Management (IPP, PMC, Agrekko)
- Generation Fuel Supply & Fuel Farm Management
- DSM Rebate Processing
- Renewables (Wind Turbine Maint & DOAg MOA, NRG Invoicing)
- Smart Grid/Network Support
- Project Management
  - Procurement
  - *March 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 (FJI)	RENEWABLES	Phase II - KEPCO/LG CNS	1/23/18 (2018-01)	(18-06)	4/30/2021	4/24/2046	Pending contract signature & ntp scheduled for May 10, 2018
SPORD (FJI)	RENEWABLES	Phase II - KEPCO/LG CNS	2/27/18 (2018-04)	PENDING	10/1/2020	9/25/2045	Final start dates pending. Also pending contract signing date ~ mid May 2018

ONGOING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	Bid/RFP No	Announced	Bid Opening / Due	Notes
SPORD (RAC)	SCADA	SCADA Workstations	Bid	GPA-049-18	2/13/2018	3/14/2018	Award Recommendation memo for approval submitted 3/27/2018. Delivery May 2018
SPORD (FJI)	NEW POWER PLANT	Geotechnical Services	RFP	Resolicitation GPA-RFP-18-002	(2/6/2018) 3/20/18	4/20/2018	Bid resolicited due to no proposals received in original solicitation.
SPORD (RAC)	SMART GRID	MV90 Integration Services	RFP	GPA-RFP-18-001	1/30/2018	3/6/2018	(Evaluation Completed - Approval Memo for award submitted - 3/30/2018)
SPORD (RAC)	PLANNING	Milsoft Systems Software Services	RFP	GPA-RFP-18-003	2/1/2018	3/7/2018	(Evaluation Completed - Approval Memo for award submitted - 3/28/2018)
SPORD (ANF)	FUEL	Petroleum Inspection Services	MS Bid	GPA-014-18	1/30/2018	5/2/2018	Step 2 - Price bid
SPORD (FJI)	NEW POWER PLANT	Build, Operate & Transfer Contract for 120-180MW of New Generation Capacity. **(PHASE I - REQUEST FOR QUALIFICATIONS)**	MS Bid	GPA-034-18	1/16/2018	4/5/2018	Step I - Closing of Qualifications. (18 proposals recevied on 4/5/18)

ONGOING PROCUREMENT (continued)

SPORD (ANF)	FUEL	Supply of Residual Fuel Oil No. 6	MS Bid	GPA-009-18	11/16/2017	4/13/2018	04/04/2018- Finance revised insurance requirements. Phase I- Closing of Technical Proposal to be extended.
SPORD (ANF)	FUEL	Supply of Diesel Fuel Oil No. 2	MS Bid	GPA-008-18	11/16/2017	4/20/2018	Bid specs changed to include delivery- awaiting final review by Fuel Committee and Legal. Phase I- Closing of Technical Proposal to be extended.
SPORD (JTL)	RENEWABLES	Renewable Energy Resource Phase III	MS Bid	GPA-007-18	11/16/2017	4/17/2018	Step I - Closing of Technical Proposal
SPORD (RAC)	SMART GRID	Mobile Workforce Management System (MWMS) **RE-BID**	MS Bid	GPA-023-17	10/5/2017	3/20/2018	(Evaluation Completed - Approval Memo for award submitted - 3/21/2018)
ENGINEERING	FUEL	GPA Tank Farm RFO Pipeline Upgrade - Design / Build	Bid	GPA-047-18	2/8/2018	9/30/2018	To repair existing RFO lines at the Bulk Fuel Farm

DEVELOPING PROCUREMENT

Responsible	PROJECT	Description	Bid or RFP	CCU Meeting	Projected Start	Projected Completion	Status
SPORD (MAT)	IPP Contract	Piti #8&9 IPP Contract	MS Bid				PENDING. Extension of current ECA aproved by CCU and will be filed to PUC for approval; bid document preparation for a new contract (after extension period or in case Extension is disapproved) in-progress.
SPORD (FJI)	NEW POWER PLANT	Build, Operate & Transfer Contract for 120-180MW of New Generation Capacity. **(PHASE II - TECHNICAL SPECIFICATIONS)**	MS Bid				Pending final bid documents.
ENGINEERING	FUEL	GPA Tank Farm DFO Pipeline Upgrade - Design / Build	Bid		2/8/2018	11/30/2018	Preparation of bid specs in progress. To install new diesel line from Navy Tie-in to the Bulk Fuel Tanks and replace diesel line to TEMES CT
ENGINEERING	FUEL	Tank 1935 API 653 Internal Inspection	Bid		5/1/2018	5/31/2019	Preparation of bid specs in progress. Budgetted for FY 2018.
SPORD (RAC)	ELECTRIC VEHICLE	Electric Vehicle Charging Stations	Bid		May-18	Sep-18	
SPORD (RAC)	SMARTWORK SYSTEMS	Smartworks Systems Software Services	RFP		Jun-18	Continous	

Project Activities

No.	Project Description	March 2018 Activities	Status / Est. Completion	RFP/Bid No
1	Energy Storage System (Phase I)	Revised 100% design drawings to be submitted early April. Clearing and grading permit work commenced in November 2017. Foundation permit work commenced in January 2018. Construction is 26% completed.	September 2018	MS Bid GPA-082-15
2	Renewable Energy Resource Phase II	PUC ratifies KEPCO contract (Docket 18-06) and approves HANWHA contract (Docket 18-08) on March 29, 2018.	KEPCO PV plant COD is APR 2021. Hanwha's COD is anticipated for 1st qtr of 2020.	MS Bid GPA-070-16
3	New Power Plant Bid (EPCM)	Request for Qualification announced on January 16, 2018. Proposals deadline extended to April 5, 2018 due to questions and clarificaitons. Technical specifications are being reviewed and updated based on public hearings and technology neutral requirements.	Jan 2018 (Issue RFP Step 1 Solicitation) Apr 2018 (	MS GPA-034-18
4	DSM Marketing	Supported the 2018UOG Sustainability Conference at the Hyatt.	Continuous	
5	DSM Rebate Program	Processed over 540 equipment in applications for rebates totaling ~ $117K	Continuous	
6	Wireless Network Expansion	Commenced Southern Expansion in collaboration with GWA: 30% Assessment of GWA Well Locations: Completed Assessment of Existing Tropos Units: 100% Router Equiqment and Accessories purchase	Dec-18 Completed Completed Arrival - April 30th	 GPA-019-18
7	Performance Metrics Automation Project	Presentation on iDashboard provided to GM. GPA contiues to work with consultant on automating reports and formating.	Mar-18	
8	Electric Grid Analysis Software	Additional training for users Training on Planning and Analysis Cases	Completed Jun-18	GPA-064-16
9	Services to Develop Business Performance Indices using iDashboards	Dashboard builds 95%	Ongoing	GPA-RFP-16-008
10	Supervisory Control and Data Acquisition (SCADA) System	Change Order Approved for October 2018 Completion and hardware costs Equipment on Order Factory Acceptance Test	Oct 2018 (SCADA COD) May 2018 (Factory Acceptance Test)	GPA-066-16

Project Activities

No.	Project Description	March 2018 Activities	Status / Est. Completion
11	Mobile Workforce Management System	Bid Evaluation Completed, Clevest recommendation memo submitted for approval March 21, 2018	May 2018 (Bid Award)
12	Consulting Services for Smart Grid Analytics Enabled Distribution System Planning, Technical, and Economic Feasibility Studies	RFP evaluation completed for sole bidder. Bidder did not qualifiy. Committee recommendation to rebid. Sole-bidder Acknowledgement.	April 30, 2018 (Rebid)
13	TEMES Piti # 7 ECA Expiration & Transition to GPA	Transition completed. Environmental Assessment Report completed. Condition Assessment Report completed by LEIDOS, under GPA review.	[Completed] [Completed] [Completed, under review]
14	MEC Piti &8 and #9 - ECA Expiration	Environmental Assessment Report completed. Condition Assessment due 2nd week of April. Data Compilation in progress.	[Completed] April 2018 December 2018
15	Planning Software Administration/Maintenance	Upcoming tasks: Configuration and management of database, training for - Call-off Consulting for CapEx configuration, CapEx and PO runs for IRP - Configuration and management of DB; Training for SPORD and PSCC	Start Date: Oct 2017 Completion Date: Sept 2018
16	Generation Software (GADS open software)	Pending data entry from Generation & SPORD.	[On-going work]
17	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: FY2018
18	Contract for Lease of Bulk ULSD Storage	196KB tank repairs completed	27-Feb-18
19	EV Infrastructure	Developing fast charge station scope for Mangilao offices.	Sept 2018
20	Consulting Support, new procurements for Piti 7,8,9	Piti 7 - Management Contract (under Generation) awarded. No IPP bid. Piti 8&9 - Bid documents in progress, awaiting decision on Extension of ECA. If extended - will revise bid scope accordingly; if extension disapproved, will proceed with filing for approval of Bid.	[Commenced] Bid documents completion: March 2018 Bid Process Start Date: 2nd quarter of 2018 upon CCU/PUC approval

Project Activities

No.	Project Description	March 2018 Activities	Status / Est. Completion
21	Fuel Conversion Plan	Discussions on-going.	Start: October 2017 Completion: June 2018
22	Fuel Bulk Storage Facility Assessment	Draft report submitted, under GPA review.	Start: Sept 2017 End: January 2018
23	Design and Engineering Consulting for Remote Start of GPA Plants	c/o Engineering Project Mgt	August 2018
24	Renewable Energy Resource Phase III	Completed pre-bid conference and site visits January 23-24 2018.	(Mar 2018) Tech Proposal Due
25	Utility Energy Services Contract (UESC)	Kicked off discussions with UOG, Guam Energy Office, Dept. of Navy, and GPA team on project development and opportunities. Discusssed DSM Model House. UOG Campus Assessment, Discussion on Solar Rooftop on DOE campuses.	
26	IFB for Delivery Services for GPA Plants	Bid canceled. Requirements to be included in the ULSD Supply solicitation	IFB Canceled Feb 2018
27	IFB for RFO Supply to Baseload Plants	Solicitation in progress	Start: November 2017 Est. Completion: FY2018 Contract Start: Sep 1, 2018
28	IFB for Petroleum Inspection Services	Re-Solicitation in progress	Start: November 2017 Est. Completion: FY2018 Contract Start: Jun 01, 2018
29	RFO Storage Lease Agreement w/ Tristar	4-Year Lease extension approved by CCU. For PUC review and approval	Start: November 2017 Est. Completion: Mar 2018 Contract Start: Aug 1, 2018
30	GPA Fuel Farm RFO Pipeline Repair & Upgrade	c/o Engineering Project Mgt	Solicitation in progress
31	GPA Fuel Farm ULSD Pipeline Upgrade	c/o Engineering Project Mgt	Bid Specs Preparation in progress

Project Activities

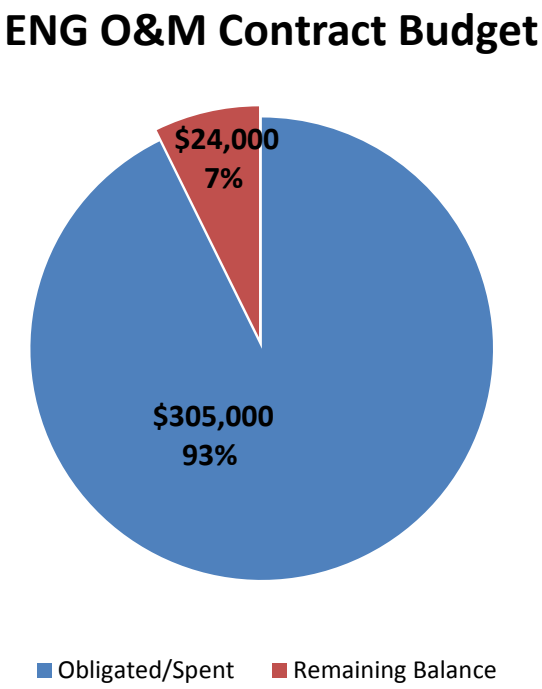
No.	Project Description	March 2018 Activities	Status / Est. Completion
32	Tk 1934 & Tk1935 API 653 Internal Inspection	c/o Engineering Project Mgt	Bid Specs Preparation in progress
33	Milsoft Systems Software Services	Award Recommendation memo (Milsoft - Vendor) for approval submitted 3/28/2018	Continuous
34	MV90 Integration Services	Award Recommendation memo (Itron - Vendor) for approval submitted 3/30/2018	Dec-18
35	SCADA Workstations and Monitors	Award Recommendation memo for approval submitted 3/27/2018	May 2018 (Delivery)
36	Grant Proposal Development and Proposal Application Management Services	Solicitation process complete. Contract signed Feb. 20, 2018. Project activities commences following month	Feb 2018 (Contract signed)
37	Pipeline Lease Agreement w/ Tristar	4-Year Lease extension approved by CCU. For PUC did not approve and requested for clarification on Index referenced. (Docket 18-10)	Start: November 2017 Est. Completion: Mar 2018 Contract Start: Aug 1, 2018
38	Dock Use Agreement w/ Tristar	4-Year Extension approved by CCU. PUC approved on March 29, 2018 (Docket 18-10)	Start: November 2017 Est. Completion: Mar 2018 Contract Start: Aug 1, 2018

ENG Budget Execution Performance

March 31, 2018

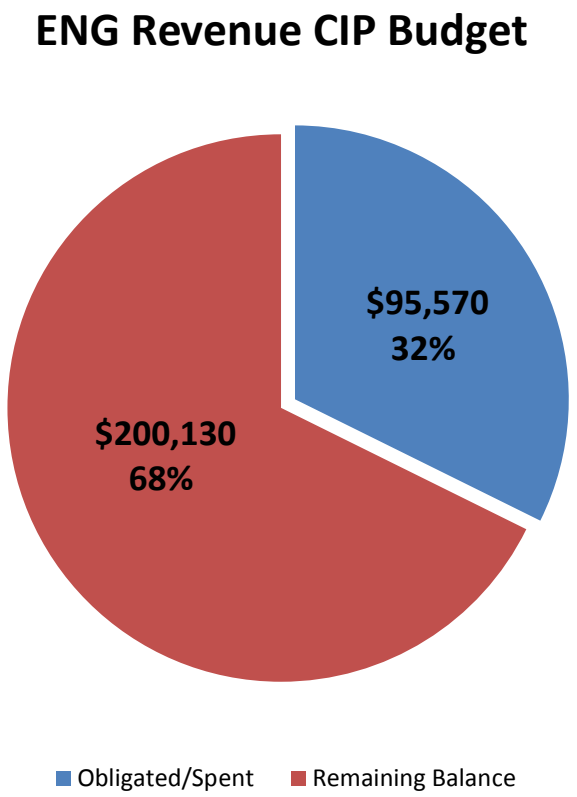
ENG Revenue CIP Budget

- Revenue Funded
- Target
  - 50% CIP Obligation by June 1, 2018
  - 100% CIP Spend by September 30, 2018



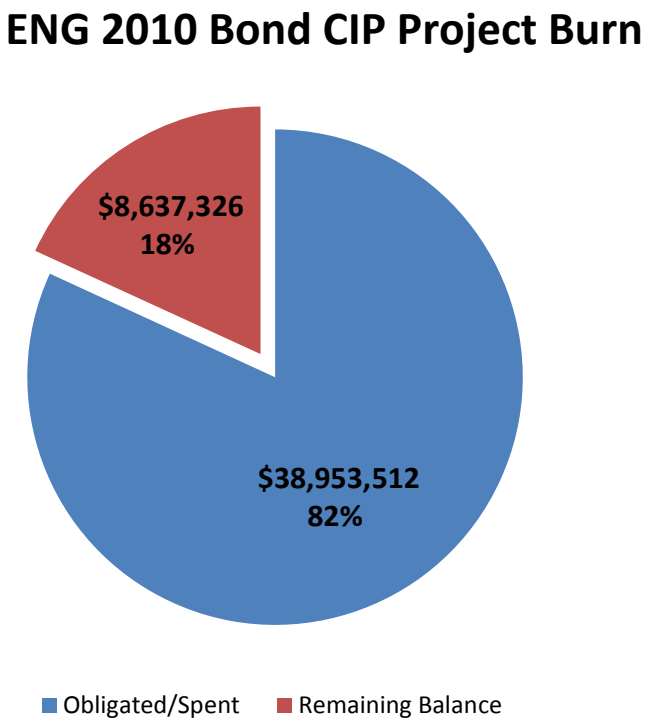
ENG O&M Contract Budget

- Revenue Funded
- Target
  - 25% CIP Obligated by April 30, 2018
  - 75% CIP Obligation by August 30, 2018
  - 100% CIP Spend by September 30, 2018



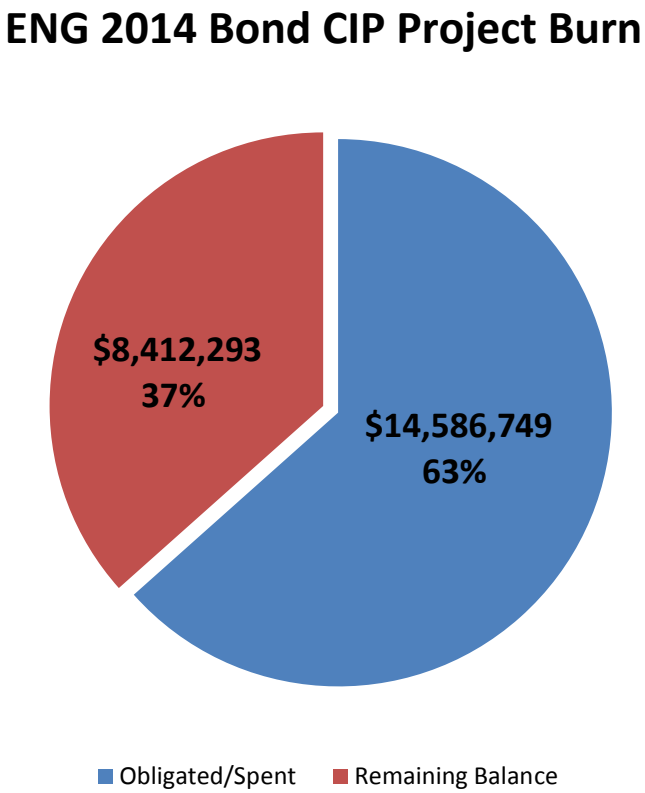
ENG 2010 Bond Series CIP Budget

- Bond Funded
- Target
  - Pending



ENG 2014 Bond Series CIP Budget

- Bond Funded
- Target
  - Pending



Engineering Work Orders

Engineeirng Work Order Summary -March 2018	
Work Orders Received from Customer Services	238
Work Orders Processed & Released to T&D	197
Work Orders Processed & Released to CSR	95
Work Orders Canceled	14
Work Orders Pending Survey	21
Pending Work Orders at Engineering	473

Engineering Large Customer and Net Metering Tracking

Date Received	Customer Name	Work Order Number(s)	Location	KVA	Meter Qty	Status
05/07/14	Port Authority of Guam	412337	Piti			Upgrades of existing facilities, includes line relocations and service conversions from overhead to underground 75% completed. Currently on hold pending Port Authorty direction for final removal.
12/20/13	CoreTech International	Multiple	Dededo	250	50	Lada Estates, 450 kVA, Phase I 100% Completed 242 units energized, Phase II 300 kVA, applications received for 93 units, Phase II 100% Completed. Phase III on hold due to Labor and Permit issues.
01/27/15	TG Engineers PC	422182-85, 90-93, 96-98	Agana Heights	100	11	11 Unit Apartment, 100 kVA, 98% Completed. Work currently on hold.
06/02/15	Docomo Pacific Inc.	Multiple	Various Locations Islandwide	50		New Comm Towers and Power Supplies, 10 sites, 9 completed
05/13/15	CoreTech International Towers	426021	Tamuning	3300	104	New condominiums, 2-1500kVA and 1 300 kVA, Tower 101 100% Completed, Tower 102, 103, and 104 are 45% completed, currently on hold. Temporary power pending for Community Center, 100% Completed. First 52 Service Orders for Tower 101 is 100% completed.
05/11/16	Korando Corp (DPW Bile Pigua Bridge)	437716	Merizo			Bile and Pigua Bridge Reconstruction - 75 % Completed, Route 25/26 Road Widening, construction work has restarted.
12/09/16	Maeda Pacific	443952	Harmon			Route 1 and Route 3 road improvements - 100% completed, involves new underground 34.5kV and 13.8kV lines and the removal of overhead ples and lines. Pulling of wires intiated 10/9/17. Final Termination and testing Completed. Energizing of new underground 13.8kV and 34.5 kV lines completed. Pending return of materials.
Pending	New Nikko Expansion	Pending	Tumon	1500	1	New Nikko Expansion, pending submittal of work order application. Redesign of primary feed ongoing. New primary underground is scheduled to start work in May 2018.
03/10/17	Best Housing Corp Ltd	446924-30	Mangilao	60	6	New 6-Unit Townhome, 750% completed
06/01/17	GWA Pump Stations 2 and 3	450278-9	Santa Rita	150	2	New GWA Pump Stations. 20% Completed.
07/17/17	Keystone Pacific Realty Corp	451488	Hagatna	100	10	New apartment. 92% Completed. Pending additional applications.
08/07/17	Matsumoto, Akiyoshi	452146-49, 51, 4, 6	Tumon	60	7	New 6 Unit Apartment with Common Meter. 5% Completed.
08/17/17	Micronesian Community Corp.	Pending	Mangilao	130	13	New 13 unit subdivison, 10% completed
10/02/17	Sumitomo Mitsui (Baza Gardens Waste water)	453369	Yona	300	1	Baza ardens Wastewater Treatment Plant Improvements, 0% Completed
01/25/18	Precision Systems Inc.	456547, 60	Tamuning			Primary Underground Conversion. Removal of three spans of overhead primary and 1 ea. power pole. 100% completed and Released to T&D.
03/01/18	Docomo Pacific Inc., New Data Center	Pending Application	Talafofo	3000	1	New Data Center. Planned to come off P-260 and P-262. 0% Completed. Still in Desgn Phase.
03/01/18	KUAM	Pending	Chalan Pago			GPI to reroute poles to existing easement. Requires the ground clearing of an existing easement.
Varies	Pending Net Metering Customers	Varies	Various Locations Islandwide		17	Pending Net Metering Customers as of March 31, 2018.
			Total	9000	223	

GPA INFORMATION TECHNOLOGY

MARCH 2018

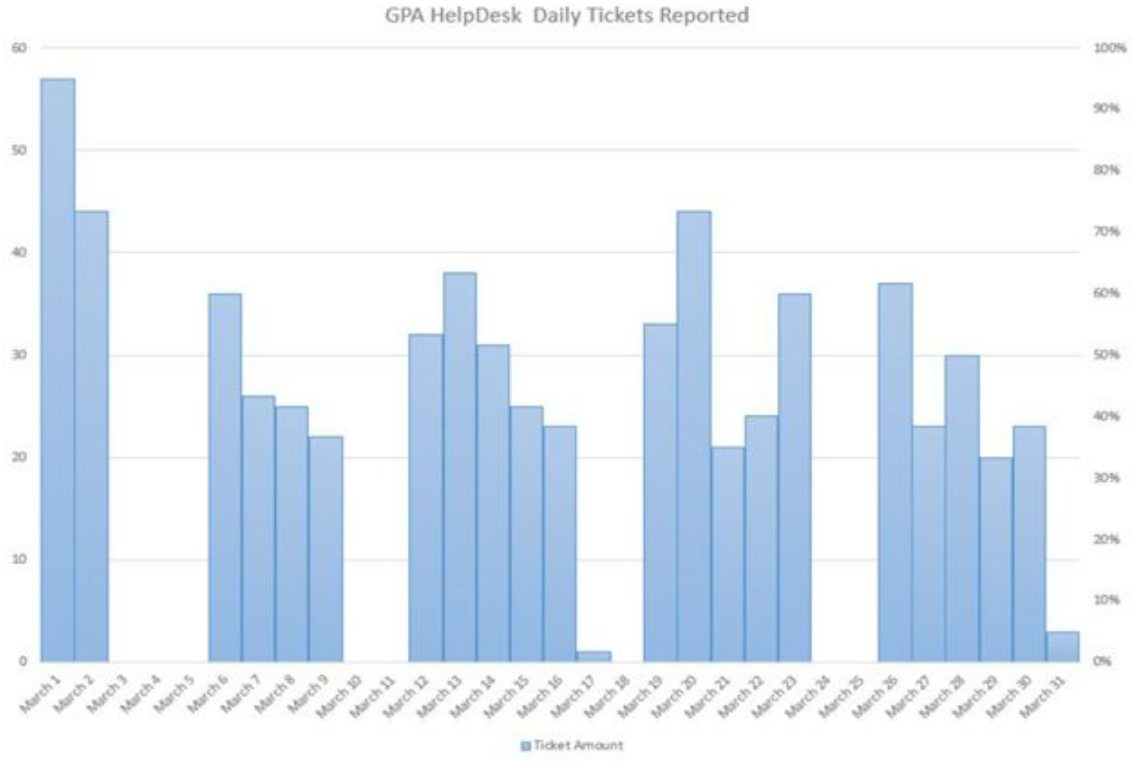
SUMMARY:

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).

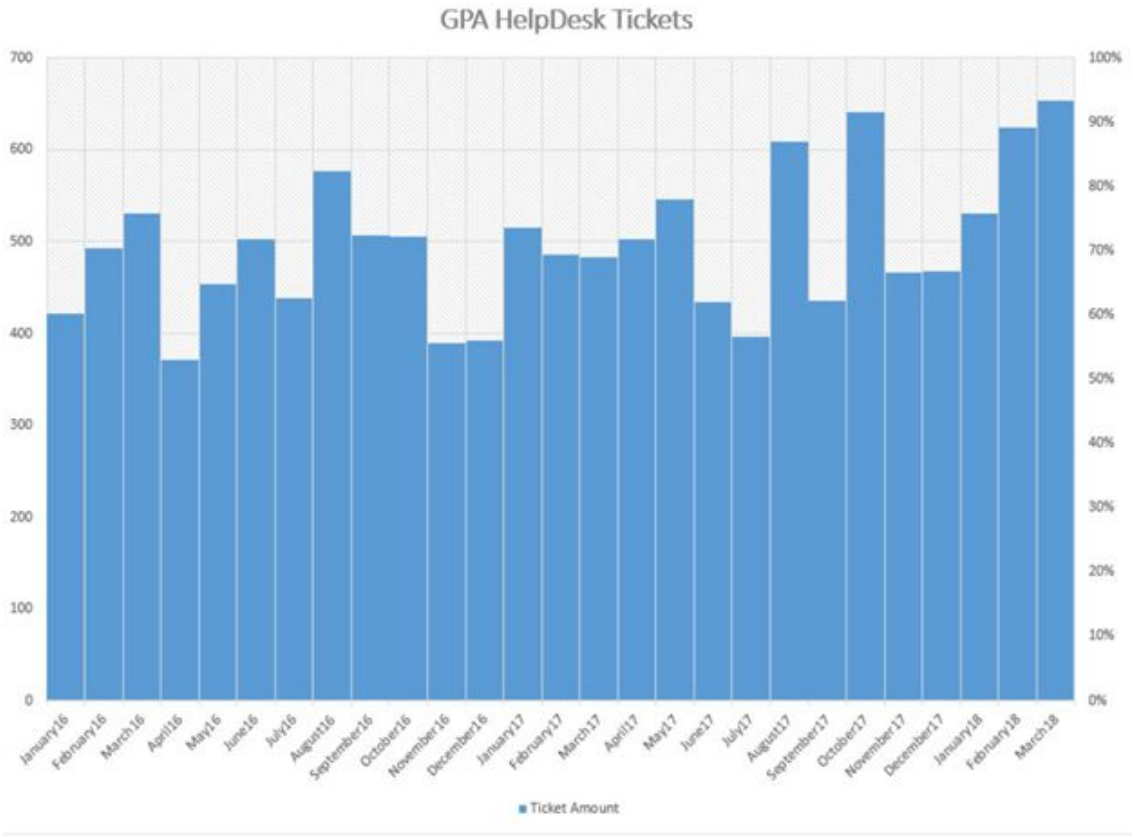
INCIDENT CALL SUMMARY:

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.

MARCH 2018 TICKETS



22 MONTH COMPARATIVE

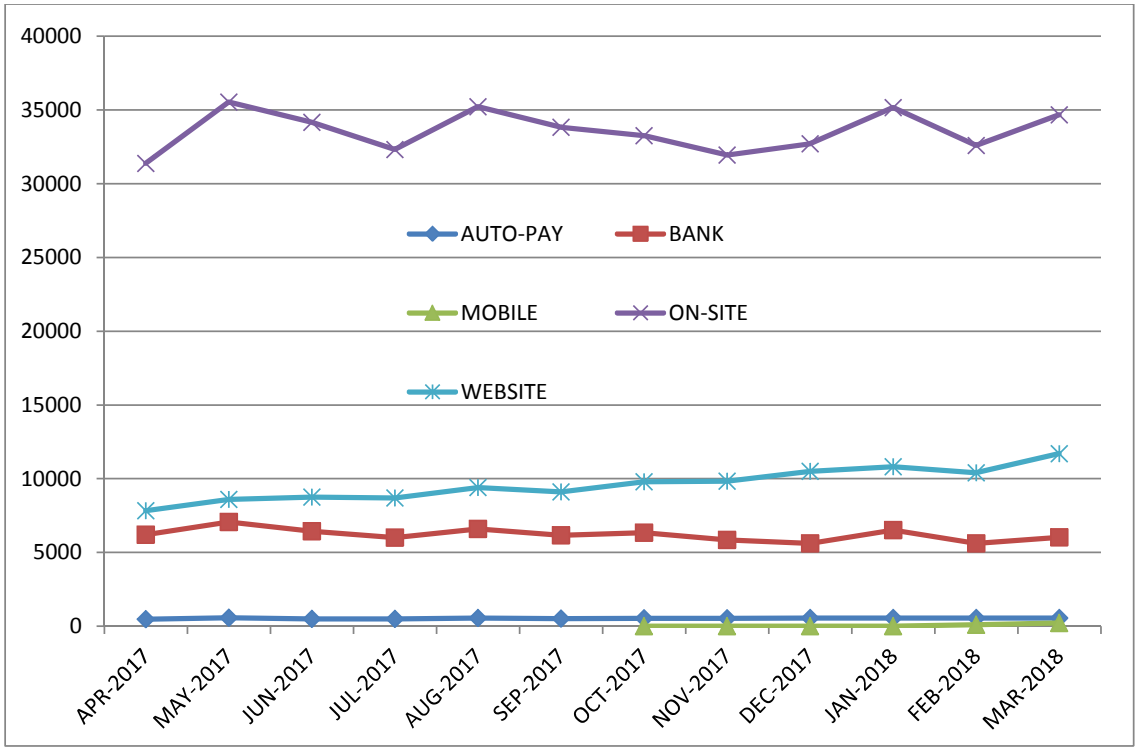


For March 2018, Computer Services responded to 654 help desk calls from GPA internal and external customers. Breakdown as follows:

CLOSED TICKETS			
Low	Medium	High	Critical
258	187	188	4
TICKET TYPES			
End User	Hardware	Software	Network
535	37	38	27
OPEN TICKETS			
Low	Medium	High	Critical
8	17	28	2
TICKET TYPES			
End User	Hardware	Software	Network
33	4	16	2

CC&B PAYMENT SUMMARY TRANSACTIONS:

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



Payment Transactions by Count:

Row Labels	AUTO-PAY	BANK	MOBILE	ON-SITE	WEBSITE
APR-2017	481	6193		31383	7837
MAY-2017	571	7073		35531	8586
JUN-2017	497	6446		34164	8758
JUL-2017	497	6008		32309	8703
AUG-2017	560	6603		35216	9401
SEP-2017	509	6158		33826	9110
OCT-2017	537	6333	5	33255	9790
NOV-2017	535	5846	5	31935	9838
DEC-2017	547	5606	8	32715	10505
JAN-2018	554	6522	6	35169	10817
FEB-2018	559	5606	94	32589	10400
MAR-2018	560	6029	217	34668	11704
Grand Total	**6407**	**74423**	**335**	**402760**	**115449**

MAJOR APPLICATION ISSUES FOR March 2018

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)
    No system issue reported.

11. ORACLE BUSINESS INTELLIGENCE REPORTING
    No system issue reported.

12. Mobile APP Payment Program
    No system issue reported.

ONGOING PROJECT UPDATES:

Network Penetration Testing and Vulnerability Assessment: Project to provide network testing and vulnerability assessment to benchmark GPA and GWA's network and host systems. This will also include IT Controls Systems testing and Business Impact Analysis for GPA and GWA critical IT systems. Work in currently ongoing and expected completion by April 2018.

SMS Emergency Outage Notification: Project to provide SMS text alerts for Emergency Outages notification for customers and emergency response agencies. Awaiting next steps from operations. In testing process at the moment with PSCC.

Pay by Phone Project: Working with vendor for Pay by Phone system to allow customers to call after hours and make automated payments to their GPA account. Changes to the call script and ongoing testing.

Customer Care & Billing (CC&B) Upgrade: Upgrade of the current Oracle CC&B program from version 2.4 to version 2.6. The current version of CC&B 2.4 will be end of life by Sept. 30, 2017 and support thereafter will be limited. Expected completion by September 2018.

Disaster Recovery- Cloud Solution: Project to turn up a backup site on the Oracle Cloud for GPWA's CC&B Application. The Oracle Cloud service has been provisioned and backup replication is online. Final testing of the Oracle Cloud backup is ongoing.

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. Incorporating GWA requirements into proposal.

Physical Security: Project to provide additional surveillance monitoring for Fadian, T&D, Dededo CT and Transportation Warehouse. RFP has closed and bid evaluations in progress.

GPWA Website Upgrades: Project to revamp GPA and GWA websites for the following, GUAMPOWERAUTHORITY.COM, PAYGPA.COM, GUAMWETERWORKS.ORG and PAYGWA.COM. RFP has been released and will close on April 26, 2018. Expected to be completed in 160 days.

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.

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.

Submitted by:
Melvyn Kwek
Chief Information Technology Officer

Guam GPA & GWA EMS/SCADA System

SIEMENS



GUAM POWER AUTHORITY
Bringing Energy Solutions to You

GUAM WATERWORKS AUTHORITY

Monthly Project Report

March 2018

Grow together and WIN

Unrestricted

Project Progression Summary

Factory Acceptance Test

This month was focused on addressing logistics for the upcoming Factory Acceptance Test in Taiwan scheduled for May 3rd through May 7th . The requirement to transport the FAT Attendees on different flights due to liability concerns were accomplished to include ground transport, hotel venue and daily meals.

GPA Datapoints

After a teleconference with the Siemens team and the GPA, revisions to GPA's data points were agreed to and GPA has been transmitting updated data points as they become available.

GWA SCADA Graphical Display Requirements

Benson Guam purchased a Schneider SCADA Pak 334e, same as currently deployed at several GWA stations. In working with Central Pacific Controls (Local Schneider representatives), as well as directly with Schneider Electric representatives, GWA's SCADA Pak particulars were cloned to Benson's unit. Coupled with the P&ID's submitted by GWA, Siemens Taiwan will utilize this to assist in building GWA's Graphical Displays.

Change Order #2 – Ugum Water Treatment Plant Assessment

Ugum WTP assessment has been submitted to GWA. Pending final decisions, Ugum WTP SCADA system upgrades are on the horizon.

Training Schedule

An inquiry was received in regard to the training schedule. Slide 10 of this presentation is provided.

GPWA SCADA EMS Project Bid No. GPA 066-16

Project Director: Charles Wu
Project Manager: Jonathan Chargualaf
Contract Administrator: Monito Co

Requires immediate attention (R)
Near-term corrective action required (Y)
No corrective action required (G)

Legend:

4/18/2018

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

Resources

1. Benson/Siemens
2. GPWA

Resource	Upcoming Tasks / Open Items	TCD/ECD
1. Siemens	FAT Agenda and Procedures	
2. GPWA	Cisco Equipment IP Addressing List	
3. Benson/ Siemens	Non-Disclosure agreement submissions for all Benson/Siemens personnel accessing the system	
4. Benson/ Siemens	SCADA Disaster Recovery Requirements	
5. GPWA	GWA SCADA Graphical Display Requirements	

Updates & Accomplishments for the Month of: March 2018

1. 02/22/2018 – GPWA Transmittal No. 50 – Yigo Rev2 Analogs and Status
2. 02/23/2018 – GPWA Transmittal No. 51 – Apra Rev2, Barrigada Rev 1, Tumon Rev1, Analogs and Status
3. 03/03/2018 – Dandan Rev1, Talofofo Rev1, Piti Rev1 Analogs and Status
4. 03/10/2018 – GPWA Transmittal No. 53 – Response to RFI-16 – GPA 066-16, Factory Acceptance Test Attendee Informaton
5. 03/12/2018 – Request for Hardware Approval – Brocade Switches
6. 03/18/2018 – GPWA Transmittal No. 54 – Andersen Rev 1, Cabras Rev 1, Dededo CT Rev 1, GAA Rev 1, GIAT Rev 1 Analogs and Status
7. 03/18/2018 – GPWA Transmittal No. 55 – Macheche Rev 1, Marbo Rev 1, Tamuning 115 Rev 1, Tamuning Rev 2 Analogs and Status
8. 03/24/2018 – GPWA Transmittal No. 56 – Response to RFI-19 – Approval request for Brocade Switches

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

GPWA SCADA EMS Project
Bid No. GPA 066-16

Project Director: Charles Wu
Project Manager: Jonathan Chargualaf
Contract Administrator: Monito Co

Overall Status

G

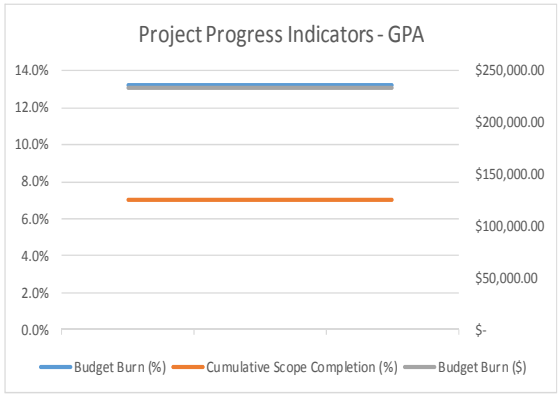
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)	13.2%		
Milestones Achieved	1, 3-7 of 18		

Resources

1. Benson/Siemens
2. GPWA

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Phase	Original Contract Budget	Increase	Current Budget	# Change Orders
Phase I	$ 1,518,769.00		$ 1,518,769.00	4
Phase I	$ 1,518,769.00	$ 250,537.38	$ 1,769,306.38	4

Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	To be updated: Actual Completion Date	Performance (Days Over/Under)
Contract Start Date	14-Dec-16	14-Dec-16	0
GPWA SCADA/EMS Project	1-Oct-18	1-Oct-18	0
Factory Activities (In Taiwan / Germany)	9-Jul-18	9-Jul-18	0
Approval of revised documentation	4-Dec-17	4-Dec-17	0
Preliminary Factory Acceptance Test (Pre-FAT) in Taiwan	2-May-18	2-May-18	0
- Base Applications	27-Apr-18	27-Apr-18	0
- Advanced Applications	2-May-18	2-May-18	0
Factory Acceptance Test (FAT) in Taiwan	7-May-18	7-May-18	0
- Advanced Applications	7-May-18	7-May-18	0
- Hardware delivery to Site	31-May-18	31-May-18	0
Site Activities (In Guam)	1-Oct-18	1-Oct-18	0
Site Commissioning (Point to point testing)	29-Aug-18	29-Aug-18	0
Site Commissioning (GPA - Point to point testing)	28-Aug-18	28-Aug-18	0
Issuance of Site Commissioning Completion Certificate	28-Aug-18	28-Aug-18	0
Site Acceptance Test (SAT)	3-Sep-18	3-Sep-18	0
- Advanced Applications	2-Sep-18	2-Sep-18	0
Investigation of variance / bug (SAT if any - Advanced Applications)	3-Sep-18	3-Sep-18	0
Issuance of Site Acceptance Certificate	3-Sep-18	3-Sep-18	0
Availability Test (AVT) - 1000hrs (42 Calindar Day, 28 working day)	1-Oct-18	1-Oct-18	0
Issuance of AVT Certificate	1-Oct-18	1-Oct-18	0
Handover of System to end customer	1-Oct-18	1-Oct-18	0
Commencement of warranty (12 months)	1-Oct-19	1-Oct-19	0
Issuance of Final Acceptance Certificates (FAC)	1-Oct-19	1-Oct-19	0

Legend:

G No corrective action required

Y Near-term corrective action required

R Requires immediate attention

4/18/2018

GPWA SCADA EMS Project
Bid No. GPA 066-16

Project Director: Charles Wu
Project Manager: Jonathan Chargualaf
Contract Administrator: Monito Co

Overall Status

G

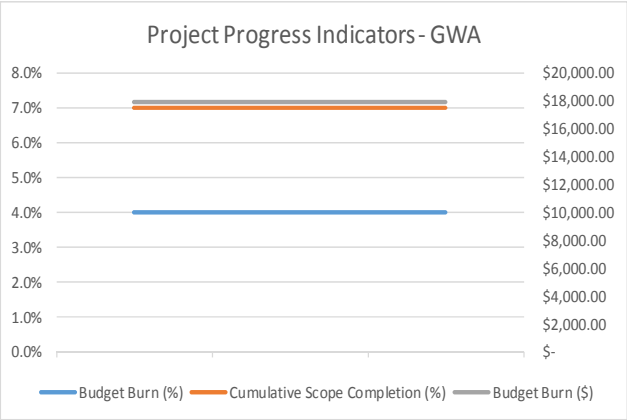
Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)	4.0%		
Milestones Achieved	1,3-7 of 18		

Resources

1. Benson/Siemens
2. GPWA

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Project Progress Indicators



Project Phase	Original Contract Budget	Increase	Current Budget	# Change Orders
Phase I	$ 432,705.00		$ 432,705.00	4
		$ 18,000.00	$ 450,705.00	4

Project Schedule & Budget Performance Indicators

Project Milestone	Planned Completion Date	To be updated: Actual Completion Date	Performance (Days Over/Under)
Contract Start Date	14-Dec-16	14-Dec-16	0
GPWA SCADA/EMS Project	1-Oct-18	1-Oct-18	0
Factory Activities (In Taiwan / Germany)	9-Jul-18	9-Jul-18	0
Approval of revised documentation	4-Dec-17	4-Dec-17	0
Preliminary Factory Acceptance Test (Pre-FAT) in Taiwan	2-May-18	2-May-18	0
- Base Applications	27-Apr-18	27-Apr-18	0
- Advanced Applications	2-May-18	2-May-18	0
Factory Acceptance Test (FAT) in Taiwan	7-May-18	7-May-18	0
- Advanced Applications	7-May-18	7-May-18	0
- Hardware delivery to Site	31-May-18	31-May-18	0
Site Activities (In Guam)	1-Oct-18	1-Oct-18	0
Site Commissioning (Point to point testing)	29-Aug-18	29-Aug-18	0
Site Commissioning (GPA - Point to point testing)	28-Aug-18	28-Aug-18	0
Issuance of Site Commissioning Completion Certificate	28-Aug-18	28-Aug-18	0
Site Acceptance Test (SAT)	3-Sep-18	3-Sep-18	0
- Advanced Applications	2-Sep-18	2-Sep-18	0
Investigation of variance / bug (SAT if any - Advanced Applications)	3-Sep-18	3-Sep-18	0
Issuance of Site Acceptance Certificate	3-Sep-18	3-Sep-18	0
Availability Test (AVT) - 1000hrs (42 Calindar Day, 28 working day)	1-Oct-18	1-Oct-18	0
Issuance of AVT Certificate	1-Oct-18	1-Oct-18	0
Handover of System to end customer	1-Oct-18	1-Oct-18	0
Commencement of warranty (12 months)	1-Oct-19	1-Oct-19	0
Issuance of Final Acceptance Certificates (FAC)	1-Oct-19	1-Oct-19	0

Legend:

G No corrective action required

Y Near-term corrective action required

R Requires immediate attention

4/18/2018

GPWA SCADA EMS Project
Bid No. GPA 066-16

Project Director: Charles Wu
Project Manager: Jonathan Chargualaf
Contract Administrator: Monito Co

Overall Status	G

Burn Rate	This Month	Last Month	Incremental
Scope (%)			
Budget (%)			
Milestones Achieved	1, 3-7 of 18		
1. Mobilization			
2. Project Management			
3. Permits, Bonds and Codes			
4. Project Installation Site Survey			
5. Interconnection and Integration Design			
6. Communications and Networking Design and Execution Plan			
7. Installation Design			
8. Software Cost, Procurement and Delivery			
9. Third Party Software Cost, Procurement and Delivery			
10. Software Installation			
11. Equipment Cost, Procurement and Delivery			
12. Construction, Equipment Installation and Interconnection			
13. Commissioning, Quality Assurance and Performance Testing			
14. Training			
15. Demobilization			
16. Warranty			
17. Documentation			
18. Annual Maintenance			

Legend:

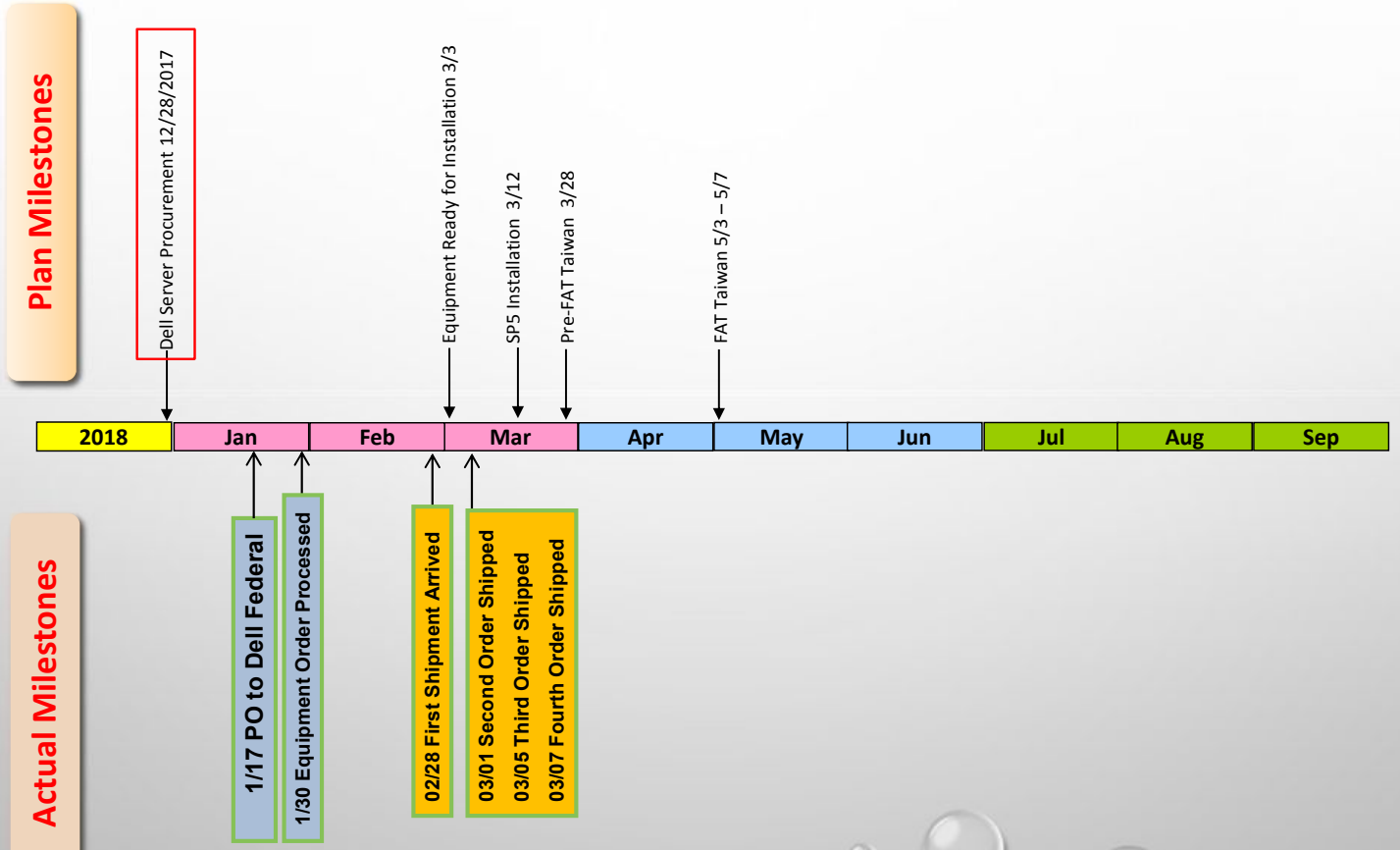
G — No corrective action required

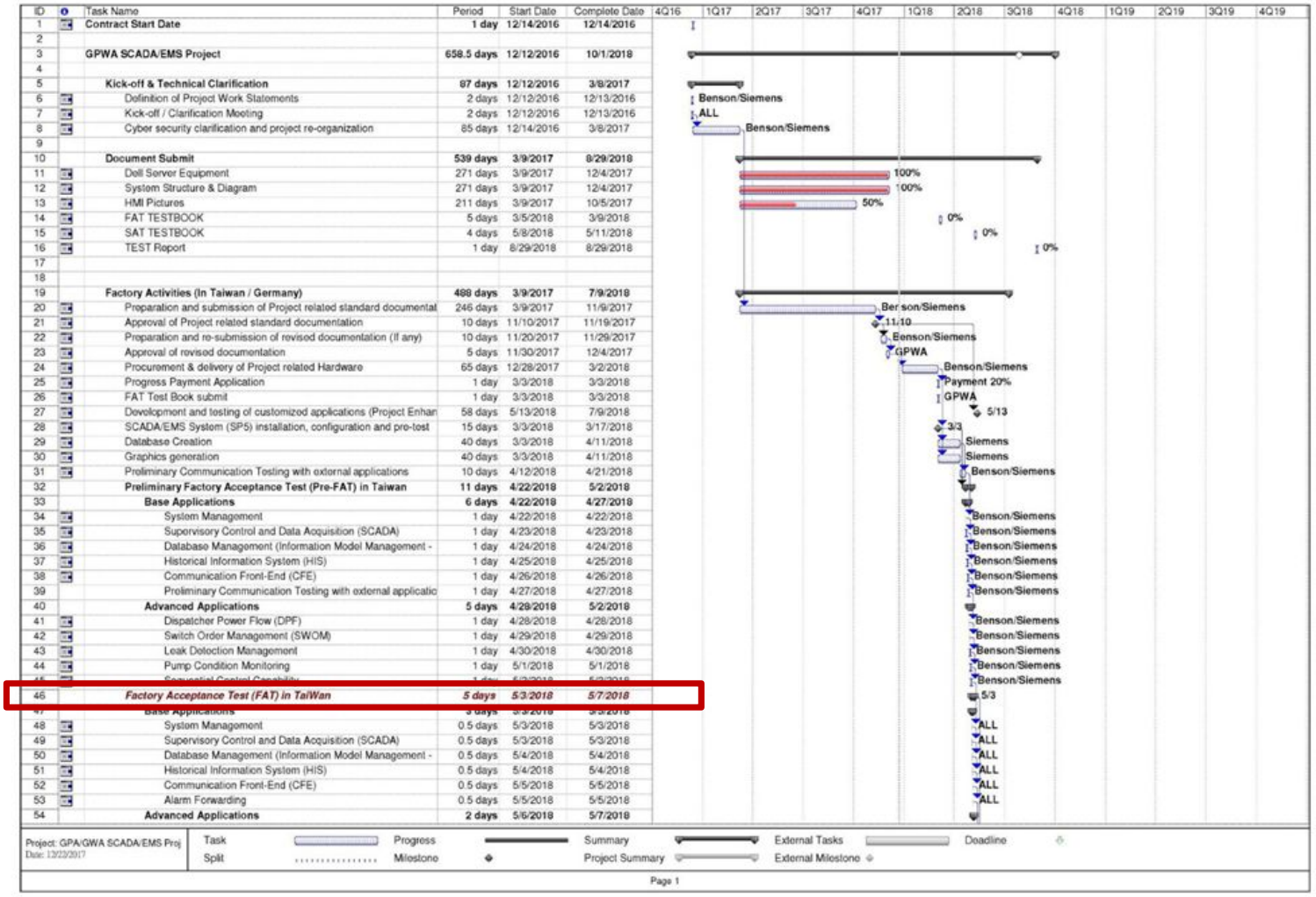
Y — Near-term corrective action required

R — Requires immediate attention

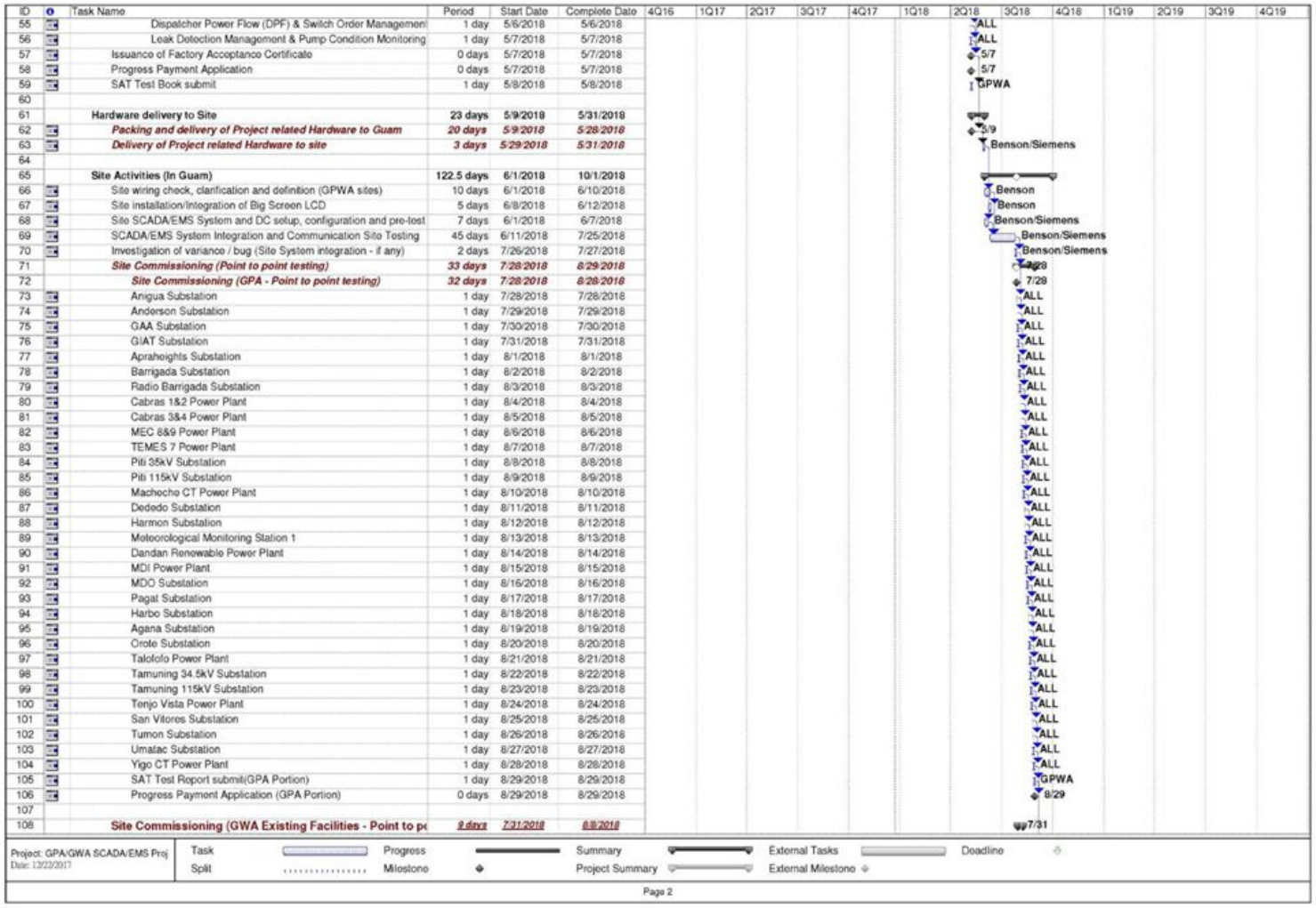
4/18/2018

Project FAT Milestone

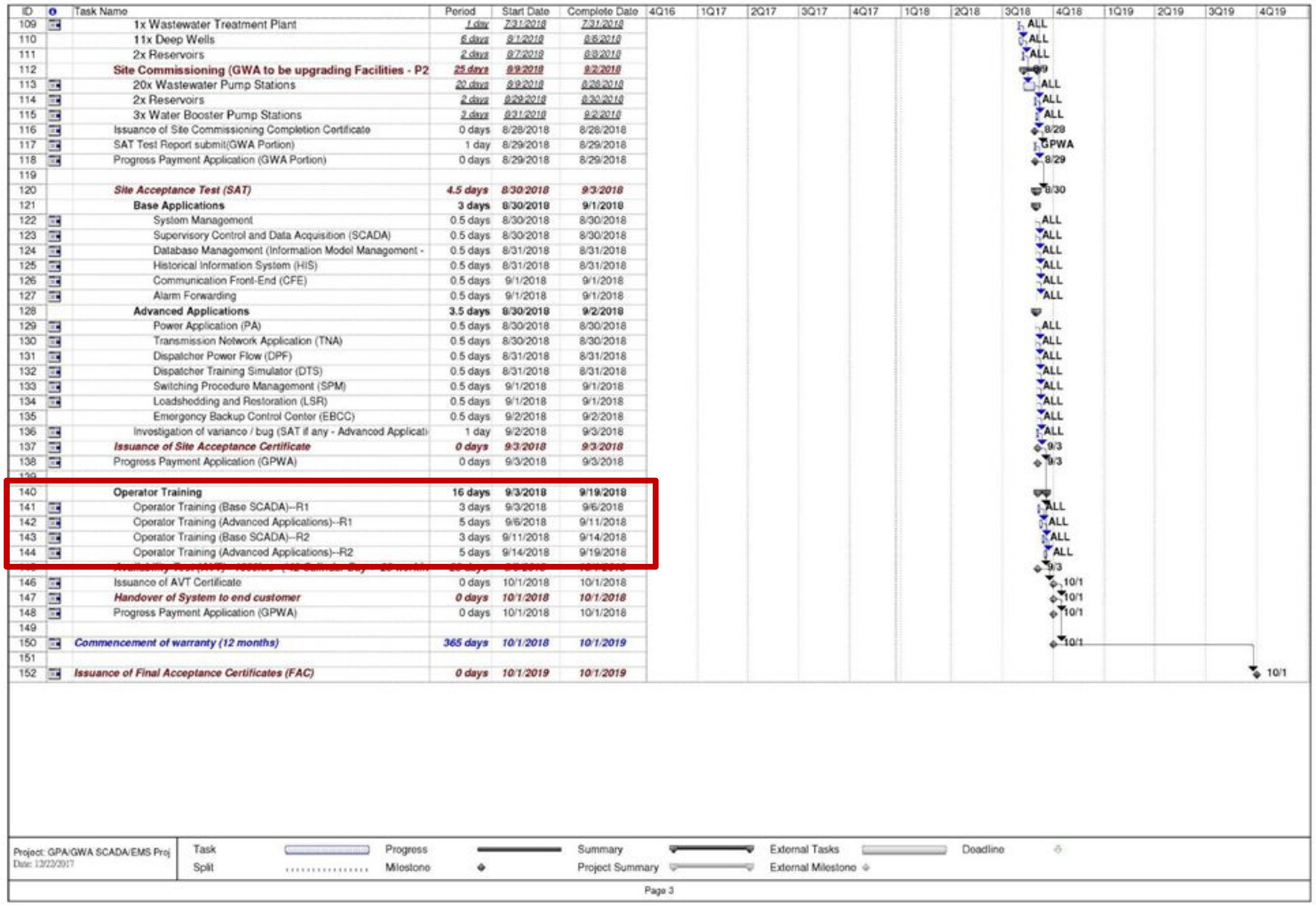




ID	Task Name	Period	Start Date	Complete Date
1	**Contract Start Date**	**1 day**	**12/14/2016**	**12/14/2016**
2				
3	**GPWA SCADA/EMS Project**	**658.5 days**	**12/12/2016**	**10/1/2018**
4				
5	**Kick-off & Technical Clarification**	**87 days**	**12/12/2016**	**3/8/2017**
6	Definition of Project Work Statements	2 days	12/12/2016	12/13/2016
7	Kick-off / Clarification Meeting	2 days	12/12/2016	12/13/2016
8	Cyber security clarification and project re-organization	85 days	12/14/2016	3/8/2017
9				
10	**Document Submit**	**539 days**	**3/9/2017**	**8/29/2018**
11	Dell Server Equipment	271 days	3/9/2017	12/4/2017
12	System Structure & Diagram	271 days	3/9/2017	12/4/2017
13	HMI Pictures	211 days	3/9/2017	10/5/2017
14	FAT TESTBOOK	5 days	3/5/2018	3/9/2018
15	SAT TESTBOOK	4 days	5/8/2018	5/11/2018
16	TEST Report	1 day	8/29/2018	8/29/2018
17				
18				
19	**Factory Activities (In Taiwan / Germany)**	**498 days**	**3/9/2017**	**7/9/2018**
20	Preparation and submission of Project related standard documentat	246 days	3/9/2017	11/9/2017
21	Approval of Project related standard documentation	10 days	11/10/2017	11/19/2017
22	Preparation and re-submission of revised documentation (If any)	10 days	11/20/2017	11/29/2017
23	Approval of revised documentation	5 days	11/30/2017	12/4/2017
24	Procurement & delivery of Project related Hardware	65 days	12/28/2017	3/2/2018
25	Progress Payment Application	1 day	3/3/2018	3/3/2018
26	FAT Test Book submit	1 day	3/3/2018	3/3/2018
27	Development and testing of customized applications (Project Enhan	58 days	5/13/2018	7/9/2018
28	SCADA/EMS System (SP5) installation, configuration and pre-test	15 days	3/3/2018	3/17/2018
29	Database Creation	40 days	3/3/2018	4/11/2018
30	Graphics generation	40 days	3/3/2018	4/11/2018
31	Preliminary Communication Testing with external applications	10 days	4/12/2018	4/21/2018
32	**Preliminary Factory Acceptance Test (Pre-FAT) in Taiwan**	**11 days**	**4/22/2018**	**5/2/2018**
33	**Base Applications**	**6 days**	**4/22/2018**	**4/27/2018**
34	System Management	1 day	4/22/2018	4/22/2018
35	Supervisory Control and Data Acquisition (SCADA)	1 day	4/23/2018	4/23/2018
36	Database Management (Information Model Management -	1 day	4/24/2018	4/24/2018
37	Historical Information System (HIS)	1 day	4/25/2018	4/25/2018
38	Communication Front-End (CFE)	1 day	4/26/2018	4/26/2018
39	Preliminary Communication Testing with external applicatic	1 day	4/27/2018	4/27/2018
40	**Advanced Applications**	**5 days**	**4/28/2018**	**5/2/2018**
41	Dispatcher Power Flow (DPF)	1 day	4/28/2018	4/28/2018
42	Switch Order Management (SWOM)	1 day	4/29/2018	4/29/2018
43	Leak Detection Management	1 day	4/30/2018	4/30/2018
44	Pump Condition Monitoring	1 day	5/1/2018	5/1/2018
45	Sequential Control Capability	1 day	5/2/2018	5/2/2018
46	***Factory Acceptance Test (FAT) in TaiWan***	***5 days***	***5/3/2018***	***5/7/2018***
47	**Base Applications**	**5 days**	**5/3/2018**	**5/7/2018**
48	System Management	0.5 days	5/3/2018	5/3/2018
49	Supervisory Control and Data Acquisition (SCADA)	0.5 days	5/3/2018	5/3/2018
50	Database Management (Information Model Management -	0.5 days	5/4/2018	5/4/2018
51	Historical Information System (HIS)	0.5 days	5/4/2018	5/4/2018
52	Communication Front-End (CFE)	0.5 days	5/5/2018	5/5/2018
53	Alarm Forwarding	0.5 days	5/5/2018	5/5/2018
54	**Advanced Applications**	**2 days**	**5/6/2018**	**5/7/2018**



ID	Task Name	Period	Start Date	Complete Date
55	Dispatcher Power Flow (DPF) & Switch Order Management	1 day	5/6/2018	5/6/2018
56	Leak Detection Management & Pump Condition Monitoring	1 day	5/7/2018	5/7/2018
57	Issuance of Factory Acceptance Certificate	0 days	5/7/2018	5/7/2018
58	Progress Payment Application	0 days	5/7/2018	5/7/2018
59	SAT Test Book submit	1 day	5/8/2018	5/8/2018
60				
61	**Hardware delivery to Site**	**23 days**	**5/9/2018**	**5/31/2018**
62	***Packing and delivery of Project related Hardware to Guam***	***20 days***	***5/9/2018***	***5/28/2018***
63	***Delivery of Project related Hardware to site***	***3 days***	***5/29/2018***	***5/31/2018***
64				
65	**Site Activities (In Guam)**	**122.5 days**	**6/1/2018**	**10/1/2018**
66	Site wiring check, clarification and definition (GPWA sites)	10 days	6/1/2018	6/10/2018
67	Site installation/Integration of Big Screen LCD	5 days	6/8/2018	6/12/2018
68	Site SCADA/EMS System and DC setup, configuration and pre-test	7 days	6/1/2018	6/7/2018
69	SCADA/EMS System Integration and Communication Site Testing	45 days	6/11/2018	7/25/2018
70	Investigation of variance / bug (Site System integration - if any)	2 days	7/26/2018	7/27/2018
71	***Site Commissioning (Point to point testing)***	***33 days***	***7/28/2018***	***8/29/2018***
72	***Site Commissioning (GPA - Point to point testing)***	***32 days***	***7/28/2018***	***8/28/2018***
73	Anigua Substation	1 day	7/28/2018	7/28/2018
74	Anderson Substation	1 day	7/29/2018	7/29/2018
75	GAA Substation	1 day	7/30/2018	7/30/2018
76	GIAT Substation	1 day	7/31/2018	7/31/2018
77	Apraheights Substation	1 day	8/1/2018	8/1/2018
78	Barrigada Substation	1 day	8/2/2018	8/2/2018
79	Radio Barrigada Substation	1 day	8/3/2018	8/3/2018
80	Cabras 1&2 Power Plant	1 day	8/4/2018	8/4/2018
81	Cabras 3&4 Power Plant	1 day	8/5/2018	8/5/2018
82	MEC 8&9 Power Plant	1 day	8/6/2018	8/6/2018
83	TEMES 7 Power Plant	1 day	8/7/2018	8/7/2018
84	Piti 35kV Substation	1 day	8/8/2018	8/8/2018
85	Piti 115kV Substation	1 day	8/9/2018	8/9/2018
86	Machocho CT Power Plant	1 day	8/10/2018	8/10/2018
87	Dededo Substation	1 day	8/11/2018	8/11/2018
88	Harmon Substation	1 day	8/12/2018	8/12/2018
89	Meteorological Monitoring Station 1	1 day	8/13/2018	8/13/2018
90	Dandan Renewable Power Plant	1 day	8/14/2018	8/14/2018
91	MDI Power Plant	1 day	8/15/2018	8/15/2018
92	MDO Substation	1 day	8/16/2018	8/16/2018
93	Pagat Substation	1 day	8/17/2018	8/17/2018
94	Harbo Substation	1 day	8/18/2018	8/18/2018
95	Agana Substation	1 day	8/19/2018	8/19/2018
96	Orote Substation	1 day	8/20/2018	8/20/2018
97	Talofofo Power Plant	1 day	8/21/2018	8/21/2018
98	Tamuning 34.5kV Substation	1 day	8/22/2018	8/22/2018
99	Tamuning 115kV Substation	1 day	8/23/2018	8/23/2018
100	Tenjo Vista Power Plant	1 day	8/24/2018	8/24/2018
101	San Vitores Substation	1 day	8/25/2018	8/25/2018
102	Tumon Substation	1 day	8/26/2018	8/26/2018
103	Umatac Substation	1 day	8/27/2018	8/27/2018
104	Yigo CT Power Plant	1 day	8/28/2018	8/28/2018
105	SAT Test Report submit(GPA Portion)	1 day	8/29/2018	8/29/2018
106	Progress Payment Application (GPA Portion)	0 days	8/29/2018	8/29/2018
107				
108	**Site Commissioning (GWA Existing Facilities - Point to po**	***9 days***	***7/31/2018***	***8/8/2018***



ID	Task Name	Period	Start Date	Complete Date
109	1x Wastewater Treatment Plant	1 day	7/31/2018	7/31/2018
110	11x Deep Wells	6 days	8/1/2018	8/6/2018
111	2x Reservoirs	2 days	8/7/2018	8/8/2018
112	**Site Commissioning (GWA to be upgrading Facilities - P2**	25 days	8/9/2018	9/2/2018
113	20x Wastewater Pump Stations	20 days	8/9/2018	8/28/2018
114	2x Reservoirs	2 days	8/29/2018	8/30/2018
115	3x Water Booster Pump Stations	3 days	8/31/2018	9/2/2018
116	Issuance of Site Commissioning Completion Certificate	0 days	8/28/2018	8/28/2018
117	SAT Test Report submit(GWA Portion)	1 day	8/29/2018	8/29/2018
118	Progress Payment Application (GWA Portion)	0 days	8/29/2018	8/29/2018
119				
120	***Site Acceptance Test (SAT)***	**4.5 days**	**8/30/2018**	**9/3/2018**
121	**Base Applications**	**3 days**	**8/30/2018**	**9/1/2018**
122	System Management	0.5 days	8/30/2018	8/30/2018
123	Supervisory Control and Data Acquisition (SCADA)	0.5 days	8/30/2018	8/30/2018
124	Database Management (Information Model Management -	0.5 days	8/31/2018	8/31/2018
125	Historical Information System (HIS)	0.5 days	8/31/2018	8/31/2018
126	Communication Front-End (CFE)	0.5 days	9/1/2018	9/1/2018
127	Alarm Forwarding	0.5 days	9/1/2018	9/1/2018
128	**Advanced Applications**	**3.5 days**	**8/30/2018**	**9/2/2018**
129	Power Application (PA)	0.5 days	8/30/2018	8/30/2018
130	Transmission Network Application (TNA)	0.5 days	8/30/2018	8/30/2018
131	Dispatcher Power Flow (DPF)	0.5 days	8/31/2018	8/31/2018
132	Dispatcher Training Simulator (DTS)	0.5 days	8/31/2018	8/31/2018
133	Switching Procedure Management (SPM)	0.5 days	9/1/2018	9/1/2018
134	Loadshedding and Restoration (LSR)	0.5 days	9/1/2018	9/1/2018
135	Emergency Backup Control Center (EBCC)	0.5 days	9/2/2018	9/2/2018
136	Investigation of variance / bug (SAT if any - Advanced Applicati	1 day	9/2/2018	9/3/2018
137	***Issuance of Site Acceptance Certificate***	**0 days**	**9/3/2018**	**9/3/2018**
138	Progress Payment Application (GPWA)	0 days	9/3/2018	9/3/2018
139				
140	**Operator Training**	**16 days**	**9/3/2018**	**9/19/2018**
141	Operator Training (Base SCADA)--R1	3 days	9/3/2018	9/6/2018
142	Operator Training (Advanced Applications)--R1	5 days	9/6/2018	9/11/2018
143	Operator Training (Base SCADA)--R2	3 days	9/11/2018	9/14/2018
144	Operator Training (Advanced Applications)--R2	5 days	9/14/2018	9/19/2018
145	[illegible]	[illegible]	[illegible]	[illegible]
146	Issuance of AVT Certificate	0 days	10/1/2018	10/1/2018
147	***Handover of System to end customer***	**0 days**	**10/1/2018**	**10/1/2018**
148	Progress Payment Application (GPWA)	0 days	10/1/2018	10/1/2018
149				
150	***Commencement of warranty (12 months)***	**365 days**	**10/1/2018**	**10/1/2019**
151				
152	***Issuance of Final Acceptance Certificates (FAC)***	**0 days**	**10/1/2019**	**10/1/2019**

Infrared Inspection Worksheet

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

Top 10 Worst Circuits
Underground Circuits

Infrared Inspection Worksheet

	Sector	Circuit	Last Infrared Inspection	
			Fiscal Year	Quarter
1	North	P332		
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		

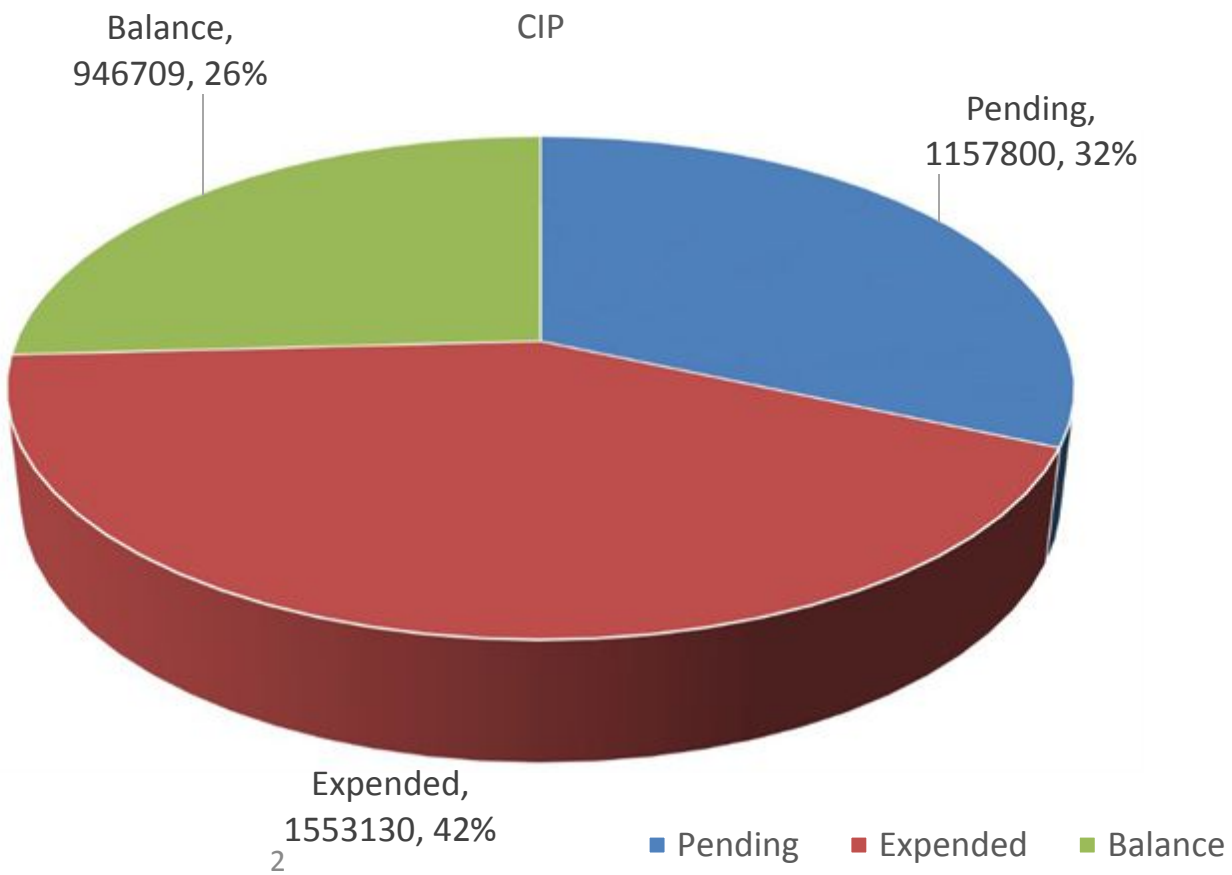
Top 10 Worst Circuits

IT Budget
Execution Performance

March 31, 2018

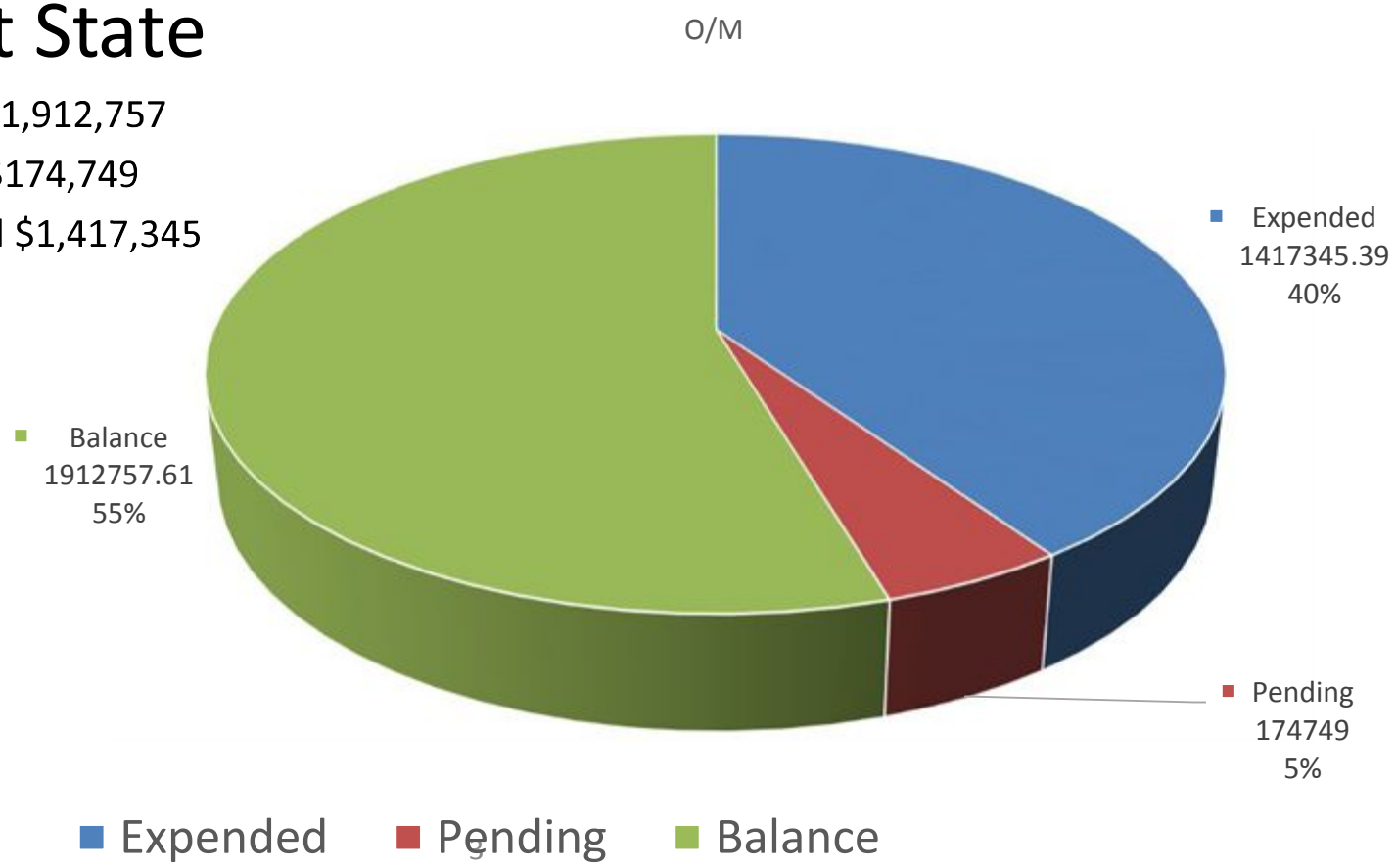
IT Revenue CIP Budget

- Revenue Funded
- Current State
  - Balance $946,709
  - Pending PO $1,157,800
  - Expended $1,553,130



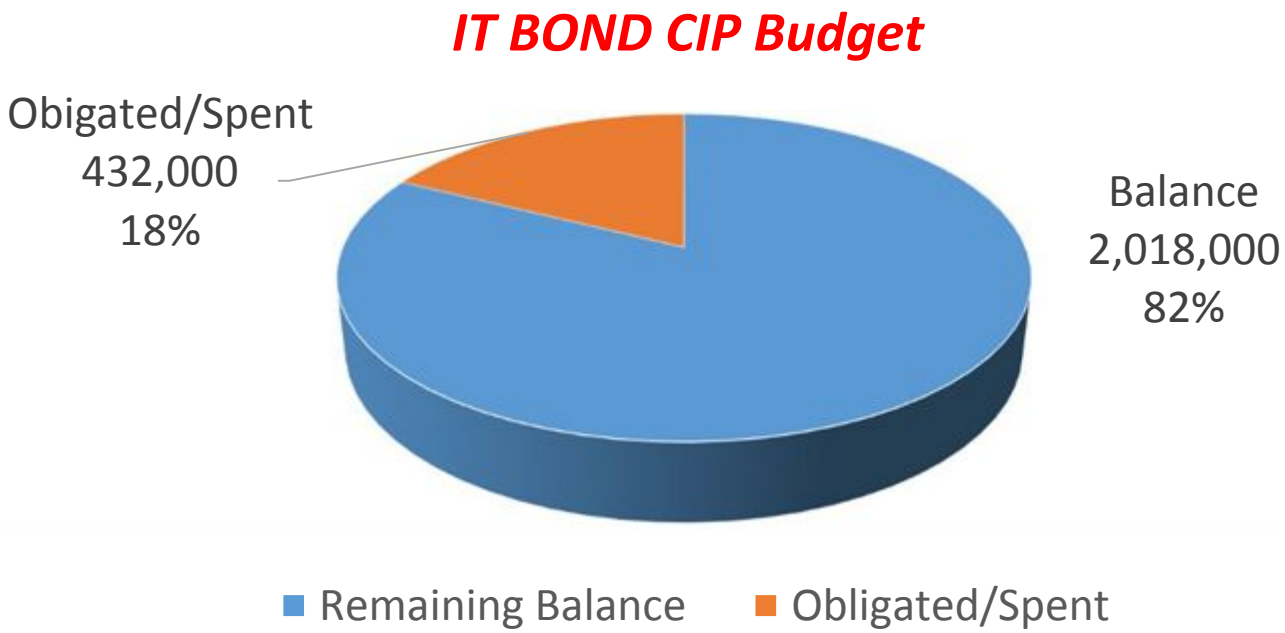
IT O&M Contract Budget

- Revenue Funded
- Current State
  - Balance $1,912,757
  - Pending $174,749
  - Expended $1,417,345



IT 2014 Bond Series CIP Budget

- Bond Funded
- Current State
  - Obligated/Spent - $432,000
  - Balance - $2,018,000



NET METERING
March 2018

	Quantity	Connected kVA
Completed	1,649	17,095
Pending	17	129
Grand Total	1,666	17,225

Rate Class and Technology

Technology	Schedule	Count	Total kW
Solar Energy	R - Residential	1,562	14,118.51
	J - Gen Service Dmd	32	1,646.51
	K - Small Gov Dmd	9	317.80
	L - Large Government	1	22.80
	P - Large Power	3	240.70
	G - Gen Serv Non-Dmd	33	666.47
	S - Sm Gov Non-Dmd	7	78.80
Wind Turbine	R - Residential	2	3.60
Grand Total		**1,649**	**17,095.19**

Projected FY 2018 Non-Fuel Revenue Loss

Customer Rate Class	Renewable Energy Capacity (kW)	Annual kWh Generated (@5.092 hours/day)*	Average Non-Fuel Yield $/kWh	Estimated Annual Revenue Loss
R	13,692.57	25,447,070.8	0.09293	$ 2,364,821.74
J	1,646.51	3,059,970.2	0.13112	$ 401,226.36
K	317.80	590,618.1	0.13932	$ 82,286.09
L	22.80	42,372.9	0.13525	$ 5,730.84
P	240.70	447,330.9	0.11539	$ 51,617.07
G	636.47	1,182,853.0	0.15084	$ 178,416.81
S	78.80	146,446.5	0.15334	$ 22,456.26
Grand Total	**16,635.65**	**30,916,662.4**		**$ 3,106,555.16**

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

Estimated Annual Revenue Loss

Description	Estimated kWh	*Total Estimated Cost
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
March 2018

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	235.47	22	13.7%	27.4%
	P-046	248.56	30	5.9%	8.9%
	P-088	603.78	67	10.0%	15.9%
	P-089	495.02	62	11.1%	26.6%
	P-111	90.00	2	1.7%	2.9%
	P-203	401.36	31	5.4%	15.2%
	P-204	120.58	15	2.6%	5.3%
	P-205	36.40	4	0.8%	1.3%
	P-210	486.79	50	9.5%	12.9%
	P-212	857.80	82	20.7%	53.7%
	P-213	295.33	11	11.3%	15.2%
	P-220	155.14	17	25.5%	80.0%
	P-221	501.28	53	11.4%	22.7%
	P-223	495.71	54	20.8%	29.7%
	P-240	58.55	2	0.9%	7.9%
	P-245	25.00	1	0.5%	1.1%
	P-250	937.54	93	14.4%	25.3%
	P-251	145.50	7	5.9%	9.0%
	P-253	466.61	50	10.4%	16.4%
	P-262	979.81	100	25.7%	61.7%
	P-270	313.67	26	6.2%	12.4%
	P-271	122.78	12	2.1%	4.4%
	P-272	228.03	17	8.9%	20.2%
	P-280	311.59	25	17.3%	32.2%
	P-281	189.70	4	6.8%	18.9%
	P-282	21.00	2	0.6%	1.7%
	P-283	520.80	49	14.4%	24.7%
	P-294	1,006.09	97	23.2%	46.0%
	P-301	199.26	22	14.1%	25.1%
	P-311	649.83	48	16.3%	27.9%
	P-322	823.99	89	10.9%	21.6%
	P-323	274.41	17	5.8%	18.0%
	P-330	550.37	69	10.1%	20.3%
	P-331	704.08	81	11.2%	18.1%
	P-332	384.46	46	6.8%	10.0%
	P-340	497.37	43	27.4%	60.4%
	P-087	1,048.00	114	26.7%	41.8%
	P-252	447.19	27	10.6%	21.6%
	P-321	257.16	25	4.6%	5.2%
	P-260	58.46	6	8.5%	29.2%
	P-067	68.25	10	0.8%	1.0%
	P-312	68.90	4	4.1%	4.8%
	P-206	18.33	2	1.9%	3.4%
	P-242	23.75	2	0.4%	1.1%
	P-310	181.57	8	6.6%	12.1%
	P-261	345.57	37	12.5%	21.4%
	P-201	45.00	6	1.3%	2.3%
	P-007	55.08	5	7.6%	16.2%
	P-244	18.00	1	1.0%	1.0%
	P-202	22.00	1	0.7%	1.6%
	P-341	4.30	1	0.4%	1.6%
Completed Total		**17,095.19**	**1,649**		
Pending	Pending	129.41	17	0.0%	0.0%
Pending Total		**129.41**	**17**	**0.0%**	**0.0%**
Grand Total		**17,224.60**	**1,666**		

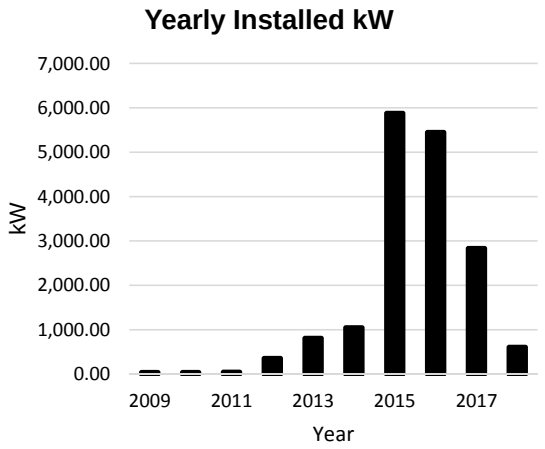
Feeders highlighted in red indicates renewable energy capacity has exceeded 25% of minimum daytime load.

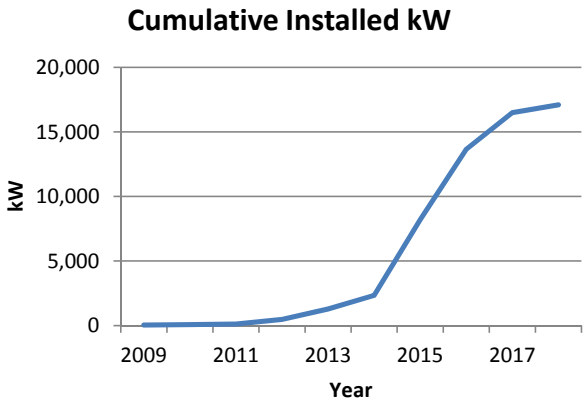
Feeders highlighted in yellow indicates renewable energy capacity has reached 15% to 24% of minimum daytime load.

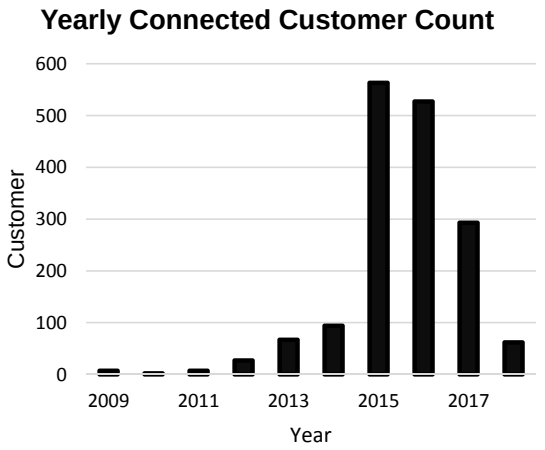
NET METERING
MARCH 2018

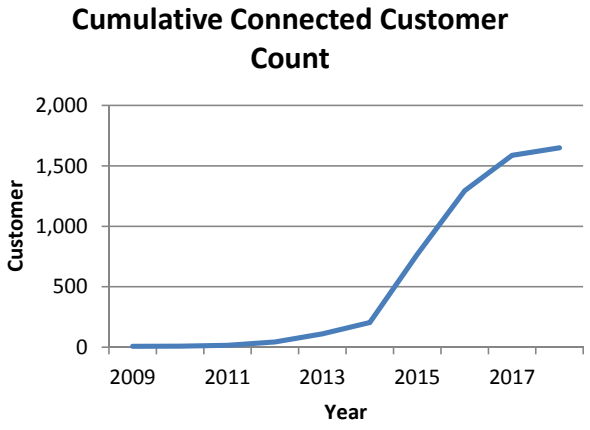
Installed kW by Year		
Year	Total	Cumulative
2009	39.46	39.46
2010	39.20	78.66
2011	43.61	122.27
2012	354.61	476.88
2013	808.45	1,285.33
2014	1,046.54	2,331.87
2015	5,875.55	8,207.42
2016	5,447.60	13,655.01
2017	2,833.25	16,488.26
2018	606.93	17,095.19
Grand Total	17,095.19	

Customer Count by Year		
Year	Total	Cumulative
2009	7	7
2010	2	9
2011	7	16
2012	27	43
2013	67	110
2014	94	204
2015	563	767
2016	527	1,294
2017	293	1,587
2018	62	1,649
Grand Total	1,649	









Production Data
31-Mar-18

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)						
2015	Oct	31	142,387,859	10,285,716	244,898	13.84	$ 0.1076	9,797.11	12,360.42	191	258
	Nov	30	140,522,664	9,871,651	235,039	14.23	$ 0.1185	9,731.04	12,945.82	195	248
	Dec	31	142,668,711	9,711,263	231,221	14.69	$ 0.0951	9,538.53	12,579.77	192	239
2016	Jan	31	138,191,484	9,446,289	224,912	14.63	$ 0.0676	9,662.86	13,413.90	186	233
	Feb	29	128,816,826	8,860,399	210,962	14.54	$ 0.0706	9,692.42	12,038.19	185	232
	Mar	31	139,991,832	9,522,573	226,728	14.70	$ 0.0732	9,172.99	11,597.00	188	239
	Apr	30	140,706,546	9,301,856	221,473	15.13	$ 0.0734	9,368.24	11,041.70	195	245
	May	31	152,815,417	9,751,521	232,179	15.67	$ 0.0681	9,459.10	11,388.57	205	254
	June	30	149,191,844	9,851,575	234,561	15.14	$ 0.0805	9,666.70	11,074.48	207	253
	July	31	151,248,202	10,443,028	248,644	14.48	$ 0.0920	9,477.71	12,208.87	203	258
	Aug	31	149,051,031	10,210,429	243,105	14.60	$ 0.0935	9,431.70	11,155.10	200	252
	Sept	30	142,069,206	9,829,773	234,042	14.45	$ 0.0956	9,509.75	11,393.73	197	256
	Oct	31	148,824,965	9,660,319	230,008	15.41	$ 0.0729	9,749.38	10,738.69	200	252
	Nov	30	145,293,562	9,427,636	224,468	15.41	$ 0.0901	9,714.47	10,786.30	202	252
	Dec	31	147,753,552	9,725,521	231,560	15.19	$ 0.0934	9,661.13	10,645.44	199	248
2017	Jan	31	142,960,618	9,226,278	219,673	15.49	$ 0.0913	9,620.29	10,965.71	192	234
	Feb	28	113,499,400	7,270,830	173,115	15.61	$ 0.0900	9,609.08	11,503.12	195	246
	Mar	31	149,402,182	9,664,440	230,106	15.46	$ 0.1014	9,719.35	11,440.45	201	246
	Apr	30	145,351,026	9,913,757	236,042	14.66	$ 0.1101	9,750.73	11,392.12	202	250
	May	31	157,573,506	11,065,930	263,475	14.24	$ 0.1170	10,067.14	11,323.20	212	256
	June	30	150,240,751	10,654,196	253,671	14.10	$ 0.1101	10,209.74	11,248.62	209	257
	July	31	150,580,050	10,622,458	252,916	14.18	$ 0.1169	9,544.54	11,837.62	202	252
	Aug	31	150,084,827	10,642,044	253,382	14.10	$ 0.1177	9,206.15	11,917.58	202	261
	Sept	30	143,990,208	10,309,304	245,460	13.97	$ 0.1152	9,541.20	13,107.05	200	254
	Oct	31	147,122,071	9,774,857	232,735	15.05	$ 0.1079	9,590.71	11,375.81	198	254
	Nov	30	147,284,781	9,783,352	232,937	15.05	$ 0.1061	9,563.85	11,257.17	205	253
	Dec	31	151,600,064	9,925,003	236,310	15.27	$ 0.1122	9,607.13	11,035.82	204	250
2018	Jan	31	147,704,057	9,563,641	227,706	15.44	$ 0.1078	9,755.40	11,029.21	199	246
	Feb	28	131,329,470	8,660,044	206,192	15.16	$ 0.1150	9,763.94	11,125.15	195	241
	Mar	31	144,370,550	9,889,634	235,467	14.60	$ 0.1345	9,183.77	11,853.09	194	244

SPORD (RAC) Project Status

As of 3/31/18

SUMMMARY WEEK

Mobile Workforce Management System

28966OR - Multistep Re-Bid GPA-023-17

Overall Status → 15%	G
Expected Completion Date: 1/11/19	

RESOURCES

1. Engineering
2. SPORD
3. IT
4. T&D
5. PSCC
6. Customer Services

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Price Proposal Opening- Clevest lowest Bidder ~$400K+ → 3/20/2018 2. Recommendation Memo for Award Sent to GM → 3/28/2018	1. GPA	1. Kick-off Meeting with Clevest Tentative → 4/25/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required

Near-term corrective action required

Requires immediate attention

Substation Metering Communications

Overall Status → 50%	G
Meters = 47/60 Substation = 14/29 Expected Completion Date: 12/30/18	

RESOURCES

1. Engineering
2. PSCC
3. SPORD
4. IT

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments

1. Completed Substations/Plants
   - I. Anigua
   - II. Barrigada
   - III. DanDan
   - IV. GAA
   - V. GIAT
   - VI. Macheche Sub / Macheche CT
   - VII. Pagat
   - VIII. San Vitores
   - IX. Talofofo
   - X. Tenjo Substation & Diesel Power Plant
   - XI. Tumon
   - XII. Umatac
   - XIII. Yigo Sub / Yigo CT
   - XIV. Pulantat → 2/27/2018

Resource	Upcoming Tasks / Open Items
1. GPA	1. Manengon Power Plant → 4/18/2018
2. GPA	2. Dededo CT → 5/16/18
3. GPA	3. Dededo Sub → 8/15/18
4. GPA	4. Andersen/Apra/Cold Storage/Marbo/Orote/Radio Barrigada/SRF
5. GPA	5. Talofofo CT provisioning →8/15/18
6. GPA	6. Create System Diagram → 6/30/18
7. SPORD	

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Navy Substation Cannot install	1. 1/1/14	1. Wait for Navy Approval	1. 7/30/18

No corrective action required | Near-term corrective action required | Requires immediate attention

Electric Grid Analysis Software

28959OR - Multistep Bid GPA-064-16

Overall Status → 95 %	G
Project – 95% **Expected Completion Date: 3/22/18**	

RESOURCES
1. SPORD 2. L&G

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Completed AGA Training → 3/20/2018	1. L&G 2. GPA 3. L&G	1. Install Module on CC Production Environment → 4/15/2018 2. Test Module on CC Production Environment → 4/23/2018 3. Test Module on AGA Production Environment → 4/22/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE
1. Cannot Proceed to install module in CC production until Bing Maps Patch is resolved	1. 3/26/2018	1. Meet with LG management to resolve Bing Patch issue	1. 3/28/2018

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

ABB Router Wireless Network Expansion

Overall Status → 85%	G
Expected Completion Date: 11/9/2018	

RESOURCES

1. IT
2. ABB
3. SPORD

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Updates & Accomplishments

1. Completed - ABB Router RMA Field Router Assessment → 3/28/2018
2. First and Second Batch of RMA router submitted to ABB → 3/28/2018

Resource	Upcoming Tasks / Open Items
ABB	1. Routers Expected Delivery → 4/6/2018
GPA	2. New Router Installation Assessment → 4/18/2018
GPA	3. New Router Installation → 4/25/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Consulting Services for S G A E D S P T and E F S 30436OR – GPA-RFP-17-005

Overall Status → 5%	G
Expected Completion Date: 11/12/19	

RESOURCES

1. SPORD
2. PMM

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Evaluation Completed → 1/12/2018 2. Bidder Acknowledged non-qualification → 3/6/2018	1. SPORD 2. PMM	1. Update and Split RFP into different Tasks→ 4/23/2018 2. Rebid → 4/29/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required

Near-term corrective action required

Requires immediate attention

Milsoft System Software Services
31470OR – GPA-RFP-18-003

Overall Status → 10%	G
Expected Completion Date: 9/28/18	

RESOURCES

1. SPORD
2. PMM

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Committee Evaluation Milsoft – Sole Bidder→ 3/14/2018 2. Recommendation Memo for Award Sent to GM → 3/28/2018	1. GPA	1. Negotiations → 4/24/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

MV90 Services
31175OR – GPA-RFP-18-001

Overall Status → 10%	G
Expected Completion Date: 9/28/18	

RESOURCES

1. SPORD
2. PMM

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Committee Evaluation Itron – Sole Bidder→ 3/14/2018 2. Recommendation Memo for Award Sent to GM → 3/28/2018	1. PMM	1. Negotiations → 4/26/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

Electric Vehicle Chargers
XXXXXOR - Multistep Bid GPA-XXX-18

Overall Status → 12%	G
Expected Completion Date: 9/30/18	

RESOURCES

1. SPORD
2. PMM

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Draft Bid 95% → 3/28/18	1. SPORD 2. PMM	1. Complete Bid → 4/18/18 2. Bid Announcement → 4/24/18

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

MILSOFT DISPATCH (OMS)

Overall Status → 50%	G
Expected Completion Date: 6/30/18	

RESOURCES
1. SPORD 2. Milsoft

Risks & Issues	G	Schedule	G	Scope	G	Financial	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Server Hard Setup Completed → 3/8/2018	1. IT 2. Milsoft 3. SPORD	1. Milsoft OS and Database Software arrive → 4/3/2018 2. Milsoft System Installation → 4/28/2018 3. Update Outage Description Info → 5/4/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

MILSOFT WINDMIL (ENGINEERING ANALYSIS)

Overall Status → 50%	G
Expected Completion Date: 6/30/18	

RESOURCES

1. SPORD
2. Milsoft
3. ENGINEERING

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments	Resource	Upcoming Tasks / Open Items
1. Milsoft and Engineering Meeting Completed → 2/7/2018	1. SPORD	1. Distribution Engineering Training → 4/16/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

No corrective action required | Near-term corrective action required | Requires immediate attention

GPWA SCADA

23344OP - Multistep Bid GPA-066-16

Overall Status → 20%	G
Expected Completion Date: 10/1/2018	

RESOURCES

1. SPORD
2. Benson
3. IT
4. PSCC

Risks & Issues	Schedule	Scope	Financial
G	G	G	G

Updates & Accomplishments (March 2018)

1. GPA submitted to Benson the following points:
→Anigua, Agana, Umatac, Yigo, DanDan, Talofofo, Piti, Apra, Barrigada, Tenjo, Tumon, Andersen, Cabras, Dededo CT, GAA, GIAT, Piti, Cold Storage, Dededo, Orote, San Vitores, Macheche, Marbo, Tamuning 115, Tamuning, SRF, Automatic Fuel Switching, MET and Harmon → 3/31/2018
2. GPWA Brocade SANs switches approved → 3/26/2018
3. Factory Attendee list finalized → 3/16/2018
4. Server Equipment Delivery to Taiwan → 3/31/2018

Resource	Upcoming Tasks / Open Items
1. Benson	1. Factory Acceptance Test Agenda and Procedures → 4/10/2018
2. GPWA	2. Factory Acceptance Test in Taiwan → 5/3/2018

Risks and Issues	DATE IDENTIFIED	Resolution	RESOLUTION DEADLINE

Legend:

G No corrective action required

Y Near-term corrective action required

R Requires immediate attention

T&D Vegetation Management

Percent Completion (per Sector Feeder)

Note: Feeders priority listing based on outages due to vegetation

Northern Sector

Feeder	Esitmated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P332	6,830	5,900	9,561	226%
P322	7,265	500	4,800	73%
P330	2,635		12,599	478%
P087	4,245	4,200		99%
P046	1,245			
P321	4,045			
P088	3,310			
P089	670			
P331	1,925			
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	17,235	26,960	113%

Central Sector

Feeder	Esitmated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P250	33,290	12,890	3,850	50%
P212	17,560			
P253	15,240			
P283	2,230		7,000	314%
P210	10,120			
P280	1,675			
P311	1,360			
P007	778			
P211	6,050			
P202	420			
P251	280			
P213	3,500			
P252	1,520		4,586	302%
P201	100			
P203	370			
P282	525			
P310	370			
P205	350			
P206	140			
P204	530			
P312	200			
P281	525			
P400	150			
Total	97,283	12,890	15,436	29%

Southern Sector

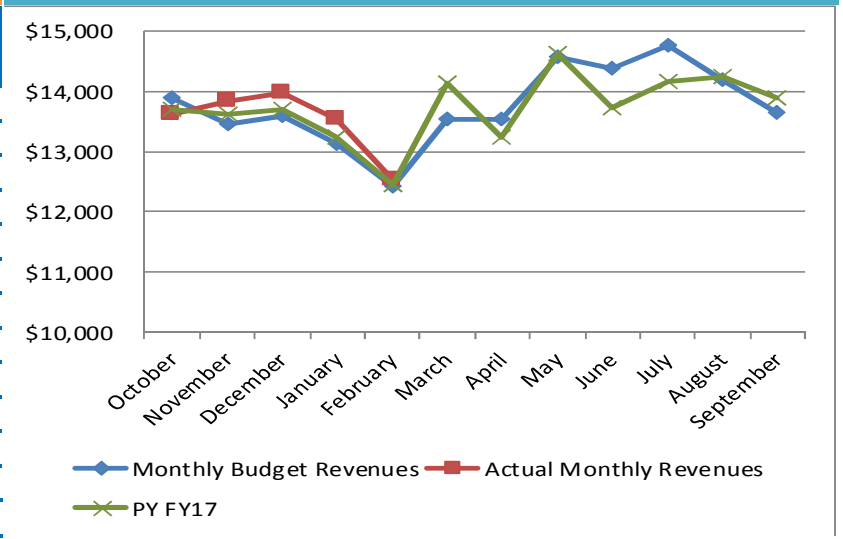
Feeder	Esitmated Distance (LF)	Distance Trimmed by T&D Crew (LF)	Distance Trimmed by Contractor (LF)	% Completion
P294	9,430	45	22,801	242%
P261	4,930		9,939	202%
P340	13,240	455	27,655	212%
P262	5,185	195	16,595	324%
P221	1,570	485		31%
P223	2,500	1,095		44%
P341	880	50	450	57%
P301	19,915	120	1,675	9%
P005	990			0%
P220	1,250	70		6%
P260	12,630			0%
Total	72,520	2,515	79,115	113%

February 2018 Monthly Financial Highlight

Base Through February 28, 2018

$000	Monthly Budget Revenues	Actual Monthly Revenues	Variance		PY FY17	CY vs PY Variance	
October	$ 13,873	$ 13,625	$ (248)	↑	$ 13,702	$ (77)	↑
November	13,451	13,827	$ 376	↑	13,622	$ 205	↑
December	13,599	13,968	$ 369	↑	13,695	$ 273	↑
January	13,114	13,534	$ 420	↑	13,220	$ 314	↑
February	12,422	12,522	$ 100	↑	12,454	$ 68	↑
March	13,534				14,123		
April	13,525				13,224		
May	14,568				14,617		
June	14,386				13,722		
July	14,759				14,151		
August	14,183				14,244		
September	13,651				13,874		
Total	**$ 165,064**	**$ 67,476**	**$ 1,017**		**$ 164,649**	**$ 782**	

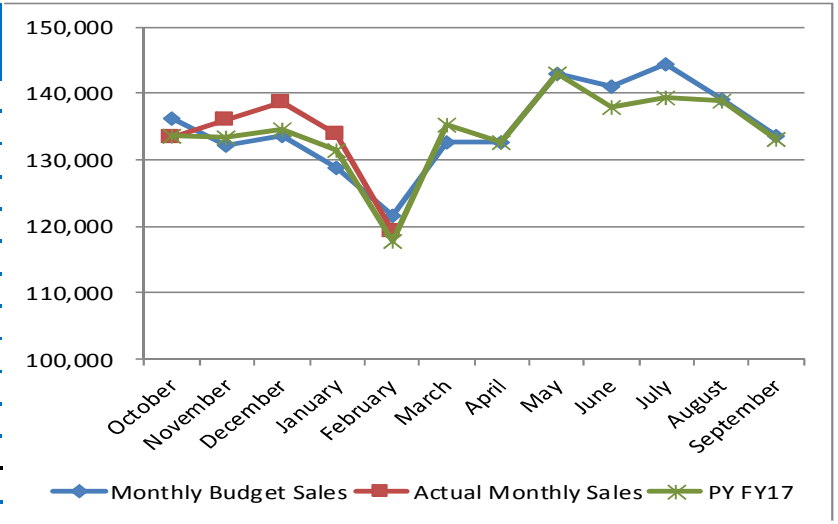
Base Rate Revenue $000



MWH Sales Through February 28, 2018

mwh	Monthly Budget Sales	Actual Monthly Sales	Variance		PY FY17	CY vs PY Variance	
October	136,219	133,262	(2,957)	↑	133,620	(358)	↑
November	132,132	136,044	3,912	↑	133,235	2,809	↑
December	133,625	138,587	4,962	↑	134,634	3,953	↑
January	128,711	133,882	5,170	↑	131,461	2,421	↑
February	121,668	119,241	(2,426)	↑	117,617	1,624	↑
March	132,587				135,131		
April	132,532				132,587		
May	142,956				143,013		
June	141,064				137,777		
July	144,404				139,227		
August	139,093				138,797		
September	133,658				132,993		
Total	**1,618,650**	**661,016**	**8,661**		**1,610,093**	**10,449**	

MWh Sales

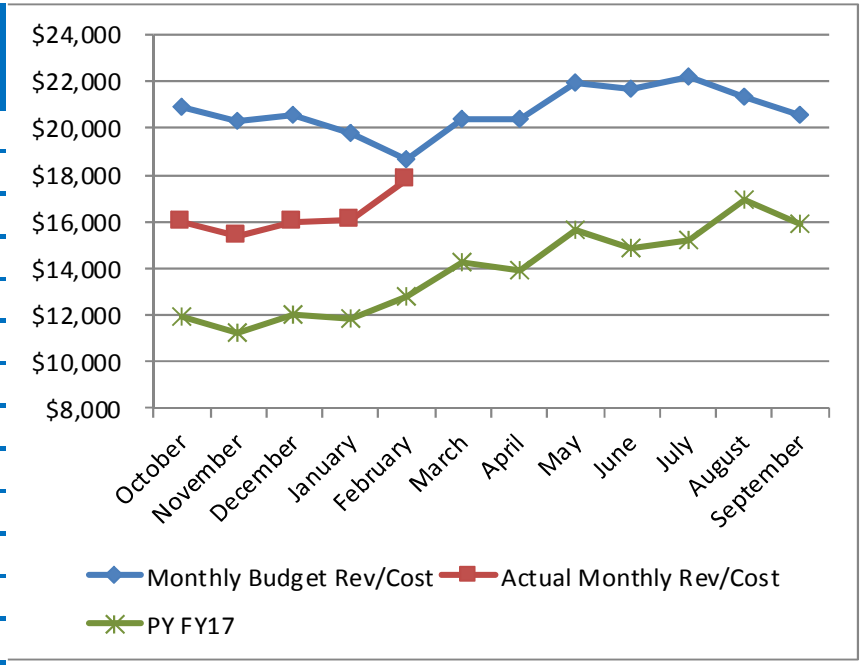


February 2018 Monthly Financial Highlight (Continued)

Fuel Revenue Through February 28, 2018

$000	Monthly Budget Rev/Cost	Actual Monthly Rev/Cost	Variance		PY FY17	CY vs PY Variance	
October	$ 20,928	$ 15,936	$ (4,992)	↑	$ 11,894	$ 4,042	↑
November	20,300	15,400	$ (4,899)	↑	11,215	$ 4,185	↑
December	20,529	16,007	$ (4,522)	↑	12,036	$ 3,971	↑
January	19,774	16,036	$ (3,738)	↑	11,867	$ 4,169	↑
February	18,692	17,763	(930)	↑	12,751	5,012	↑
March	20,370				14,248		
April	20,361				13,940		
May	21,963				15,596		
June	21,672				14,859		
July	22,185				15,175		
August	21,369				16,947		
September	20,534				15,895		
Total	**$ 248,677**	**$ 81,142**	**$(19,081)**		**$ 166,425**	**$ 21,378**	

Fuel Revenue/ Cost $000



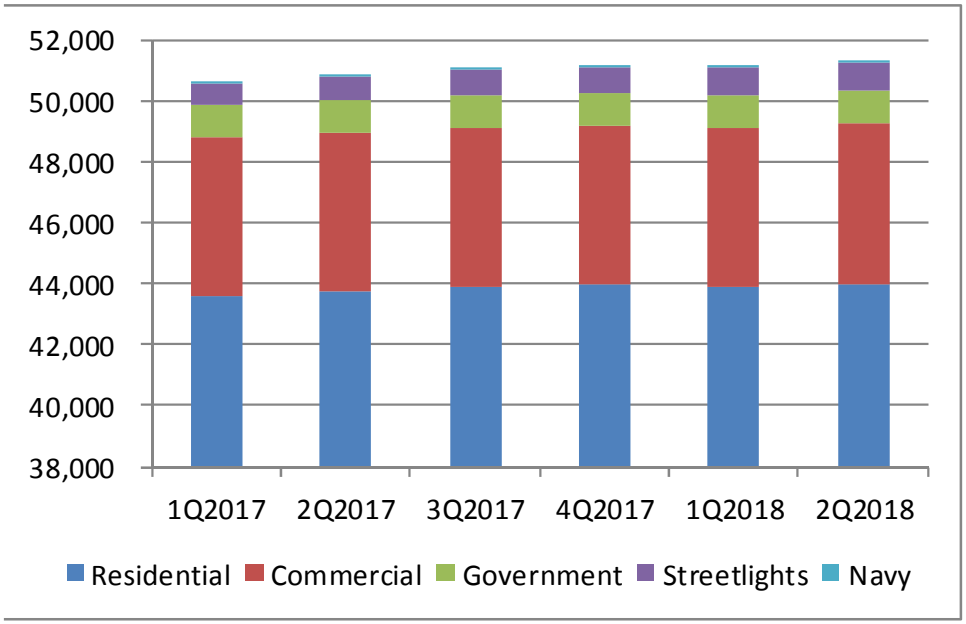
- Under recovery of LEAC - $14.4 million

February 2018 Monthly Financial Highlight (Continued)

Through February 28, 2018

	1Q2017	2Q2017	3Q2017	4Q2017	1Q2018	2Q2018
Residential	43,582	43,718	43,902	43,991	43,898	43,995
Commercial	5,235	5,236	5,252	5,226	5,231	5,264
Government	1,071	1,077	1,071	1,073	1,076	1,082
Streetlights	722	800	824	823	908	948
Navy	1	1	1	1	1	1
	50,611	50,832	51,050	51,114	51,114	51,290

Number of Customers

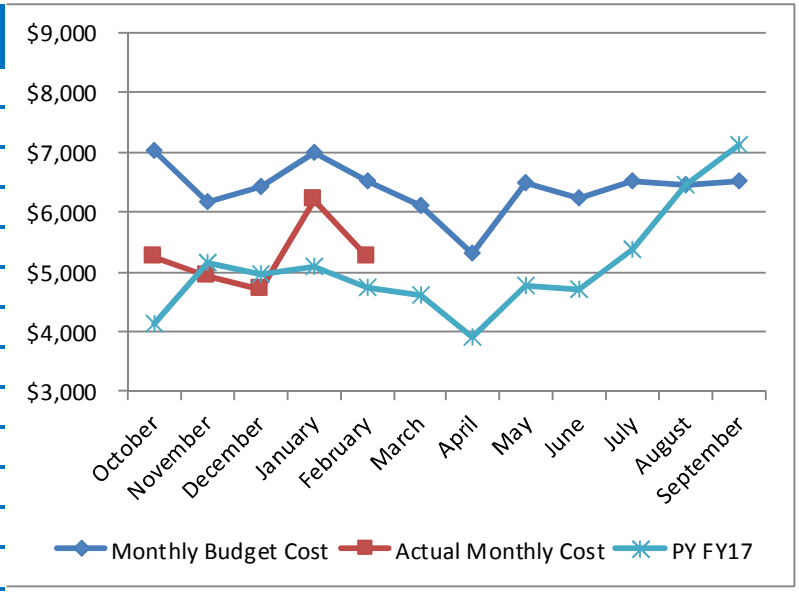


February 2018 Monthly Financial Highlight (Continued)

O&M CostThrough February 28, 2018

$000	Monthly Budget Cost	Actual Monthly Cost	Variance		PY FY17	CY vs PY Variance	
October	$ 7,040	5,239	1,801	↑	4,135	(1,103)	↑
November	6,182	4,941	1,240	↑	5,158	217	↑
December	6,428	4,694	1,735	↑	4,966	273	↑
January	7,001	6,204	797	↑	5,092	(1,112)	↑
February	6,522	5,252	1,270	↑	4,748	(504)	↑
March	6,091				4,612		
April	5,320				3,892		
May	6,495				4,772		
June	6,221				4,702		
July	6,508				5,385		
August	6,462				6,445		
September	6,526				7,138		
Total	**$ 76,796**	**$ 26,330**	**$ 6,844**		**$ 61,045**	**$ (2,230)**	

O&M Cost $000



- DSC greater than target of 1.75

Debt service coverage (DSC) calculation-indenti	2012	2013	2014	2015	2016	2017	YTD Feb. 2018
Senior lien coverage	2.13	3.36	3.16	3.62	3.35	2.81	2.82
Aggregate debt service coverage	1.35	1.88	1.98	2.62	3.35	2.81	2.82
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	1.29	2.16	2.25	2.56	2.52	1.95	1.92
Aggregate debt service coverage	0.82	1.21	1.41	1.85	2.52	1.95	1.92

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

GUAM POWER AUTHORITY
FINANCIAL STATEMENT OVERVIEW
February 2018

Attached are the financial statements and supporting schedules for the month and fiscal year ended February 28, 2018.

Summary
The increase in net assets for the month ended was $0.5 million as compared to the anticipated net decrease of $1.3 million projected at the beginning of the year. The total kWh sales for the month were 1.99% less than projected and non-fuel revenues were $0.1 million more than the estimated amount. O & M expenses for the month were $5.2 million which was $1.3 million under 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 $4.0 million, which was right in line with the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	2.05	2.08	2
Days in Receivables	39	38	52
Days in Payables	25	19	30
LEAC (Over)/Under Recovery Balance -YTD	$16,775,982	$14,390,645	$16,146,466
T&D Losses	5.00%	4.92%	<7.00%
Debt Service Coverage	2.05	1.92	1.75
Long-term equity ratio	13%	13%	30 – 40%
Days in Cash	152	131	60

The Quick Ratio has been a challenge for GPA historically. However, over the last two fiscal years, the influx of cash has continued to improve this ratio. GPA has current obligations of approximately $66 million and approximately $136 million in cash and current receivables. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statement
February 2018
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:	Reviewed by:	Approved by:
Lenora M. Sanz	John J.E. Kim	John M. Benavente, P.E.
Controller	Chief Financial Officer	General Manager

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Net Position
February 28, 2018 and September 30, 2017

	Unaudited February 2018	Unaudited September 2017	Change from Sept 30 2017
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	12,538,504	18,061,879	(5,523,375)
Bond indenture funds	53,326,423	56,907,535	(3,581,112)
Held by Guam Power Authority:			
Bond indenture funds	99,283,884	132,579,889	(33,296,005)
Self insurance fund-restricted	19,254,240	19,251,372	2,868
Energy sense fund	636,727	1,074,491	(437,764)
Total cash and cash equivalents	185,039,778	227,875,166	(42,835,388)
Accounts receivable, net	34,660,723	35,603,289	(942,566)
Total current receivables	34,660,723	35,603,289	(942,566)
Materials and supplies inventory	12,803,243	11,989,745	813,498
Fuel inventory	50,757,324	52,387,369	(1,630,045)
Prepaid expenses	6,333,586	682,814	5,650,772
Total current assets	289,594,654	328,538,383	(38,943,729)
Utility plant, at cost:			
Electric plant in service	1,040,081,918	1,037,419,517	2,662,401
Construction work in progress	23,068,257	18,382,414	4,685,843
Total	1,063,150,175	1,055,801,931	7,348,244
Less: Accumulated depreciation	(580,127,860)	(565,144,900)	(14,982,960)
Total utility plant	483,022,315	490,657,031	(7,634,716)
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,528,276	48,576,863	(48,587)
Unamortized debt issuance costs	2,669,117	4,267,305	(1,598,188)
Total other non-current assets	51,197,393	52,844,168	(1,646,775)
Total assets	823,814,362	872,039,582	(48,225,220)
Deferred outflow of resources:			
Deferred fuel revenue	14,390,645	16,751,048	(2,360,403)
Unamortized loss on debt refunding	28,697,798	11,076,064	17,621,734
Pension	8,168,718	8,168,718	0
Unamortized forward delivery contract costs	570,958	637,358	(66,400)
Total deferred outflows of resources	51,828,119	36,633,188	15,194,931
	875,642,481	908,672,770	(33,030,289)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statement of Net Position, Continued
February 28, 2018 and September 30, 2017

	Unaudited February 2018	Unaudited September 2017	Change from Sept 30 2017
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	1,630,000	1,780,000	(150,000)
Current obligations under capital leases	16,949,416	16,949,416	0
Accounts payable			
Operations	21,038,280	56,671,898	(35,633,619)
Others	3,299,365	5,425,336	(2,125,970)
Accrued payroll and employees' benefits	1,253,309	1,546,860	(293,551)
Current portion of employees' annual leave	2,432,670	2,324,895	107,775
Interest payable	10,556,891	15,065,830	(4,508,939)
Customer deposits	8,360,991	8,503,783	(142,792)
Total current liabilities	65,520,922	108,268,018	(42,747,096)
Regulatory liabilities:			
Provision for self insurance	19,550,977	19,550,977	0
Total regulatory liabilities	19,550,977	19,550,977	0
Long term debt, net of current maturities	607,045,420	590,568,862	16,476,558
Obligations under capital leases, net of current portion	20,709,136	30,343,708	(9,634,572)
Net Pension liability	62,618,085	64,596,253	(1,978,168)
DCRS sick leave liability	4,008,397	4,008,397	0
Employees' annual leave net of current portion	806,762	806,762	0
Customer advances for construction	380,726	369,180	11,546
Total liabilities	780,640,425	818,512,157	(37,871,732)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	2,092,730	2,336,071	(243,341)
Pension	732,788	732,788	0
Total deferred inflows of resources	2,825,518	3,068,859	(243,341)
Commitments and contigencies			
Net Position:			
Net investment in capital assets	(61,993,542)	(43,869,737)	(18,123,805)
Restricted	10,703,845	15,232,832	(4,528,987)
Unrestricted	143,466,234	115,728,658	27,737,576
Total net position	92,176,537	87,091,754	5,084,783
	875,642,481	908,672,770	(33,030,289)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM
Statement of Revenues, Expenses and Changes in Net Assets

	February 28			Five Months Ended February 28		
	Unaudited 2018	Unaudited 2017	% of change Inc (dec)	Unaudited 2018	Unaudited 2017	% of change Inc (dec)
Revenues						
Sales of electricity	30,284,040	25,204,958	20	148,618,393	126,457,287	18
Miscellaneous	259,934	(134,257)	(294)	911,572	825,006	10
Total	30,543,974	25,070,701	22	149,529,965	127,282,293	17
Bad debt expense	(86,583)	(83,333)	4	(432,917)	(416,667)	4
Total revenues	30,457,391	24,987,368	22	149,097,048	126,865,626	18
Operating and maintenance expenses						
Production fuel	17,762,535	12,751,030	39	81,142,235	59,763,817	36
Other production	1,212,307	1,456,290	(17)	6,361,949	6,359,170	0
	18,974,842	14,207,320	34	87,504,184	66,122,987	32
Depreciation	2,893,871	4,798,542	(40)	16,132,990	18,814,427	(14)
Energy conversion cost	1,384,140	1,709,160	(19)	7,721,286	7,774,483	(1)
Transmission & distribution	1,248,333	1,065,646	17	5,387,644	5,197,063	4
Customer accounting	378,898	327,577	16	2,051,016	1,745,636	17
Administrative & general	2,325,529	1,949,107	19	12,096,351	10,381,411	17
Total operating and maintenance expenses	27,205,613	24,057,352	13	130,893,471	110,036,007	19
Operating income	3,251,778	930,016	250	18,203,577	16,829,619	8
Other income (expenses)						
Interest income	(443,559)	69,206	(741)	1,460,300	388,945	275
Interest expense and amortization	(2,649,935)	(2,876,235)	(8)	(13,482,485)	(14,156,589)	(5)
Bond issuance costs	67,434	76,827	(12)	(2,175,437)	384,135	(666)
Assets written off	0	0		0	0	
Allowance for funds used during construction	196,517	314,008	(37)	1,217,558	1,601,114	(24)
Other expense	(4,193)	(12,600)	0	(213,631)	(25,473)	739
Total other income (expenses)	(2,833,736)	(2,428,794)	17	(13,193,695)	(11,807,868)	12
Income (loss) before capital contributions	418,042	(1,498,778)	(128)	5,009,882	5,021,751	(0)
Capital contributions	70,107	0	0	74,902	11,488	552
Increase (decrease) in net assets	488,149	(1,498,778)	(133)	5,084,784	5,033,239	1
Total net assets at beginning of period (restated)	91,688,389	83,592,346	10	87,091,754	77,060,329	13
Total net assets at end of period	92,176,538	82,093,568	12	92,176,538	82,093,568	12

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows
Period Ended February 28, 2018

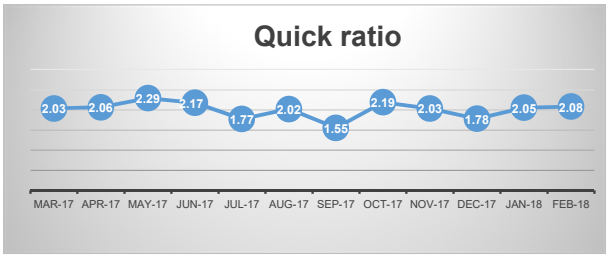
	Month Ended 2/28/2018	YTD Ended 2/28/2018
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	$31,674,425	$ 150,044,598
Cash payments to suppliers and employees for goods and services	37,724,767	175,445,857
Net cash provided by operating activities	($6,050,342)	(25,401,259)
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	(443,559)	1,460,300
Net cash provided by investing activities	(443,559)	1,460,300
Cash flows from non-capital financing activities		
Interest paid on short term debt	(5,808)	(31,309)
Provision for self insurance funds	(516)	(2,868)
Net cash provided by noncapital financing activities	(6,324)	(34,177)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(1,582,758)	(8,498,273)
Principal paid on bonds and other long-term debt	-	(3,550,000)
Interest paid on bonds(net of capitalized interest)	196,517	(15,158,442)
Interest paid on capital lease obligations	(284,850)	(1,584,115)
Interest & principal funds held by trustee	(2,552,837)	5,523,375
Reserve funds held by trustee	(22,127)	48,587
Bond funds held by trustee	636,006	3,581,112
Principal payment on capital lease obligations	(1,859,247)	(9,634,572)
Grant from DOI/FEMA	70,107	74,902
Debt issuance costs/loss on defeasance	(333,577)	19,876,558
Net cash provided by (used in) capital and related financing activities	(5,732,766)	(9,320,868)
Net (decrease) increase in cash and cash equivalents	(12,232,991.28)	(33,296,005)
Cash and cash equivalents, beginning	111,516,876	132,579,889
Cash and cash equivalents-Funds held by GPA, February 28, 2018	**$ 99,283,884**	**$ 99,283,884**

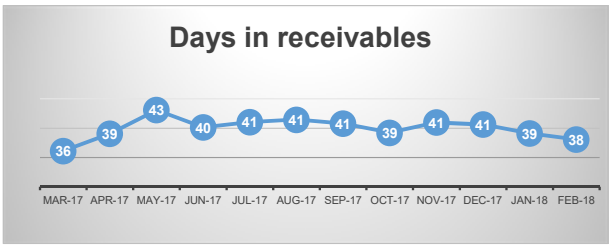
GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows, continued
Period Ended February 28, 2018

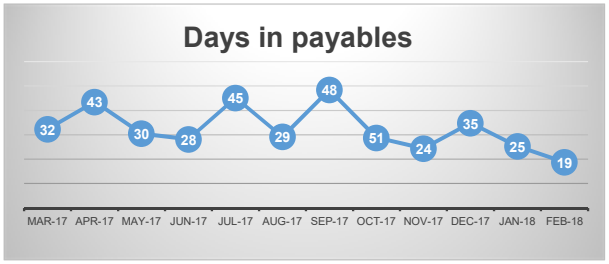
	Month Ended 2/28/2018	YTD Ended 2/28/2018
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	$3,251,778	$18,203,577
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	2,893,871	16,132,990
Other expense	63,241	(2,389,068)
(Increase) decrease in assets:		
Accounts receivable	1,242,391	942,566
Materials and inventory	(130,220)	(813,498)
Fuel inventory	(6,861,269)	1,630,045
Prepaid expenses	367,808	(5,650,772)
Unamortized debt issuance cost	23,667	1,598,188
Deferred fuel revenue	2,385,337	2,360,403
Unamortized loss on debt refunding	229,166	(17,621,734)
Unamortized forward delivery contract costs	13,280	66,400
Increase (decrease) in liabilities:		
Accounts payable-operations	(7,000,838)	(35,633,619)
Accounts payable-others	(1,860,848)	(1,688,206)
Accrued payroll and employees' benefits	(334,427)	(293,551)
Net pension liability	(225,249)	(1,978,168)
Employees' annual leave	23,869	107,775
Customers deposits	(88,521)	(142,792)
Customer advances for construction	5,290	11,546
Unearned forward delivery contract revenue	(48,668)	(243,341)
Net cash provided by operating activities	**$ (6,050,342)**	**$ (25,401,259)**

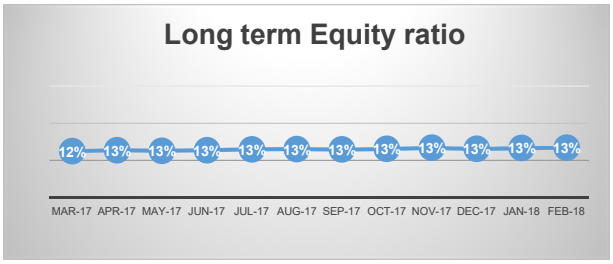
Guam Power Authority
Financial Analysis
February 28, 2018

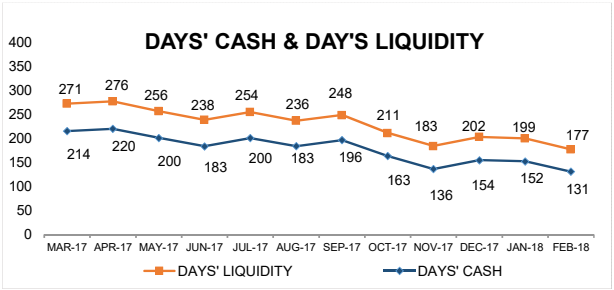
	Quick Ratio	
A	Reserve Funds Held by GPA	99,283,884
B	Current Accounts Receivable	36,834,410
C	Total Cash and A/R (A+B)	136,118,294
D	Total Current Liabilities	65,520,922
E	**Quick Ratio (F/G)**	**2.08**
	Days in Receivables	
A	FY 18 Moving 12 Mos.-Actual	353,235,160
B	No. of Days	365
C	Average Revenues per day (A/B)	967,768
D	Current Accounts Receivable	36,834,410
E	**Days in Receivables (D/C)**	**38**
	Days in Payables	
A	FY 18 Moving 12 Months-Actual	472,289,648
B	No. of Days	365
C	Average Payables per day (A/B)	1,293,944
D	Current Accounts Payables	24,337,644
E	**Days in Payables (D/C)**	**19**
	Long term equity ratio	
A	Equity	$ 92,176,537.00
B	Total Long term Liability	$ 595,824,083.00
C	Total Equity and liability	$ 688,000,620.00
D	**Long term equity ratio (A/C)**	**13%**
	Days cash on hand	
A	Unresctricted cash & cash equivalents	99,284
B	No. of Days -YTD	151
C	A x B	14,991,866
D	Total Operating expenses excluding depreciation	114,760
E	**Days cash on hand**	**131**
	Days' Liquidity	
A	Unresctricted cash , cash equivalents & revolving Credit	134,284
B	No. of Days -YTD	151
C	A x B	20,276,866
D	Total Operating expenses excluding depreciation	114,760
E	**Days liquidity**	**177**











GPA 302

GUAM POWER AUTHORITY
ACCRUED REVENUE
FEBRUARY 2018

	FOR THE MONTH ENDED FEBRUARY		FIFTH MONTH ENDED FEBRUARY	
	2018	2017	2018	2017
KWH SALES:				
Residential	36,809,815	35,936,337	207,254,376	199,658,670
Small Gen. Non Demand	6,154,115	6,497,885	34,082,288	33,827,007
Small Gen. Demand	14,164,319	13,890,958	77,157,122	77,006,358
Large General	23,674,407	23,699,969	130,253,282	129,429,842
Independent Power Producer	28,976	67,797	282,194	434,198
Private St. Lights	32,408	32,325	168,787	210,613
Sub-total	80,864,040	80,125,270	449,198,050	440,566,688
Government Service:				
Small Non Demand	1,119,571	996,603	6,146,591	5,518,121
Small Demand	7,377,578	7,382,544	39,926,301	40,267,151
Large	5,905,830	5,654,767	32,002,581	30,422,936
Street Lighting	669,689	707,509	3,565,091	4,136,157
Sub-total	15,072,669	14,741,423	81,640,563	80,344,365
Total	95,936,708	94,866,692	530,838,612	520,911,054
U. S. Navy	23,304,608	22,750,741	130,177,731	129,656,413
GRAND TOTAL	119,241,316	117,617,433	661,016,343	650,567,466
REVENUE:				
Residential	$ 9,633,432	$ 7,648,484	$ 46,040,029	$ 37,617,654
Small Gen. Non Demand	$ 1,869,658	$ 1,650,380	$ 8,958,947	$ 7,761,068
Small Gen. Demand	$ 4,006,949	$ 3,310,305	$ 18,947,946	$ 16,345,334
Large General	$ 6,086,686	$ 5,066,026	$ 29,511,932	$ 25,098,043
Independent Power Producer	$ 7,969	$ 15,045	$ 63,044	$ 88,881
Private St. Lights	$ 25,733	$ 24,793	$ 127,140	$ 131,618
Sub-total	$ 21,630,428	$ 17,715,032	$ 103,649,038	$ 87,042,598
Government Service:				
Small Non Demand	$ 335,126	$ 258,835	$ 1,677,018	$ 1,339,117
Small Demand	$ 2,094,220	$ 1,819,228	$ 10,268,634	$ 9,072,491
Large	$ 1,628,297	$ 1,331,459	$ 7,937,307	$ 6,611,727
Street Lighting	$ 439,995	$ 447,721	$ 2,149,230	$ 2,297,401
Sub-total	$ 4,497,638	$ 3,857,244	$ 22,032,189	$ 19,320,736
Total	$ 26,128,065	$ 21,572,276	$ 125,681,227	$ 106,363,333
U. S. Navy	$ 4,155,974	$ 3,632,683	$ 22,937,166	$ 20,093,955
GRAND TOTAL	$ 30,284,040	$ 25,204,958	$ 148,618,393	$ 126,457,288
NUMBER OF CUSTOMERS:				
Residential	43,995	43,647	43,992	43,604
Small Gen. Non Demand	4,153	4,119	4,138	4,119
Small Gen. Demand	991	992	983	988
Large General	118	116	118	116
Independent Power Producer	2	3	528	523
Private St. Lights	527	527	3	3
Sub-total	49,786	49,404	49,762	49,353
Government Service:				
Small Non Demand	684	682	681	683
Small Demand	351	347	351	346
Large	47	45	47	45
Street Lighting	421	271	389	199
Sub-total	1,503	1,345	1,467	1,273
Total	51,289	50,749	51,229	50,626
US Navy	1	1	1	1
	51,290	50,750	51,230	50,627

GPA403

GUAM POWER AUTHORITY
ACCRUED REVENUE

	TWELVE MONTHS ENDING	FEBRUARY 2018	JANUARY 2018	DECEMBER 2017	NOVEMBER 2017	OCTOBER 2017	SEPTEMBER 2017	AUGUST 2017	JULY 2017	JUNE 2017	MAY 2017	APRIL 2017	MARCH 2017
KWH SALES:													
Residential	513,931,308	36,809,815	42,067,765	43,307,944	43,386,853	41,682,000	41,491,015	44,434,719	45,094,364	45,699,553	46,940,445	42,105,054	40,911,781
Small General Non Demand	84,154,981	6,154,115	6,844,713	6,956,278	7,060,041	7,067,142	7,022,092	7,347,440	7,087,373	7,546,692	7,375,238	6,926,353	6,767,505
Small General Demand	190,201,689	14,164,319	15,562,774	15,848,505	15,789,397	15,792,127	15,509,408	16,488,257	15,839,125	16,853,701	16,415,592	15,638,177	16,300,307
Large General	315,396,670	23,674,407	26,242,185	27,485,887	26,267,661	26,583,141	25,432,034	27,038,013	27,119,633	26,399,095	27,209,329	25,771,823	26,173,462
Private Outdoor Lighting	450,582	32,408	32,358	35,129	35,042	33,851	76,532	33,324	35,412	36,199	31,956	34,275	34,097
Independent Power Producer	809,819	28,976	27,011	40,140	93,823	92,244	34,586	57,754	82,800	93,447	97,039	78,158	83,841
Sub-Total	1,104,945,049	80,864,040	90,776,805	93,673,883	92,632,817	91,250,505	89,565,666	95,399,508	95,258,706	96,628,687	98,069,599	90,553,840	90,270,993
Government Service:													
Small Non Demand	14,530,715	1,119,571	1,248,251	1,272,026	1,255,131	1,251,612	1,246,106	1,243,487	1,254,979	1,154,625	1,242,514	1,118,738	1,123,675
Small Demand	96,537,751	7,377,578	8,102,981	8,063,549	8,098,974	8,283,218	8,084,368	8,147,386	7,962,644	7,847,651	8,507,100	7,890,703	8,171,598
Large	76,477,613	5,905,830	6,315,619	6,812,255	6,550,623	6,418,254	6,493,449	6,520,699	6,219,351	6,043,966	6,712,069	6,145,212	6,340,287
Street Lighting (Agencies)	8,943,540	669,689	716,067	697,921	668,464	812,949	697,002	877,130	638,971	843,815	771,506	720,057	829,968
Sub-Total	196,489,620	15,072,669	16,382,918	16,845,750	16,573,193	16,766,033	16,520,925	16,788,702	16,075,944	15,890,058	17,233,190	15,874,710	16,465,529
Total	1,301,434,669	95,936,708	107,159,724	110,519,633	109,206,010	108,016,537	106,086,591	112,188,210	111,334,651	112,518,745	115,302,789	106,428,550	106,736,522
U.S. Navy	319,107,219	23,304,608	26,722,147	28,067,673	26,837,883	25,245,420	26,906,320	26,608,721	27,892,205	25,258,344	27,710,121	26,158,807	28,394,970
Grand Total	1,620,541,888	119,241,316	133,881,870	138,587,306	136,043,893	133,261,957	132,992,911	138,796,930	139,226,856	137,777,089	143,012,910	132,587,357	135,131,492
REVENUE:													
Residential	$ 109,024,353	$ 9,633,432	$ 8,985,179	$ 9,238,911	$ 9,263,463	$ 8,919,044	$ 8,887,320	$ 9,762,810	$ 9,056,344	$ 9,109,920	$ 9,464,539	$ 8,447,732	$ 8,255,658
Small General Non Demand	$ 21,238,611	$ 1,869,658	$ 1,741,922	$ 1,765,223	$ 1,789,263	$ 1,792,881	$ 1,783,997	$ 1,902,660	$ 1,709,931	$ 1,790,832	$ 1,782,557	$ 1,661,818	$ 1,647,869
Small General Demand	$ 44,672,129	$ 4,006,949	$ 3,714,258	$ 3,769,415	$ 3,699,298	$ 3,758,026	$ 3,692,273	$ 3,964,157	$ 3,527,191	$ 3,704,661	$ 3,828,208	$ 3,333,389	$ 3,674,304
Large General	$ 68,591,949	$ 6,086,686	$ 5,762,313	$ 6,067,740	$ 5,793,817	$ 5,801,375	$ 5,643,059	$ 6,028,539	$ 5,589,484	$ 5,443,855	$ 5,621,797	$ 5,382,999	$ 5,370,285
Private Outdoor Lighting	$ 302,479	$ 25,733	$ 25,133	$ 25,553	$ 25,471	$ 25,250	$ 25,361	$ 25,094	$ 25,099	$ 25,329	$ 24,432	$ 25,014	$ 25,012
Independent Power Producer	$ 185,194	$ 7,969	$ 6,029	$ 9,249	$ 20,053	$ 19,744	$ 17,076	$ 14,804	$ 17,270	$ 19,157	$ 20,386	$ 16,006	$ 17,451
Sub-Total	$ 244,014,715	$ 21,630,428	$ 20,234,834	$ 20,876,091	$ 20,591,366	$ 20,316,320	$ 20,049,087	$ 21,698,063	$ 19,925,320	$ 20,093,753	$ 20,741,919	$ 18,866,957	$ 18,990,578
Government Service:													
Small Non Demand	$ 3,850,909	$ 335,126	$ 332,434	$ 341,017	$ 334,963	$ 333,478	$ 333,079	$ 332,325	$ 319,135	$ 297,031	$ 313,817	$ 289,279	$ 289,226
Small Demand	$ 24,026,222	$ 2,094,220	$ 2,016,922	$ 2,046,340	$ 2,043,720	$ 2,067,433	$ 2,050,292	$ 2,052,253	$ 1,907,628	$ 1,885,990	$ 1,985,615	$ 1,919,140	$ 1,956,670
Large	$ 18,304,945	$ 1,628,297	$ 1,525,771	$ 1,652,805	$ 1,583,988	$ 1,546,446	$ 1,575,080	$ 1,573,445	$ 1,424,292	$ 1,393,449	$ 1,572,201	$ 1,374,482	$ 1,454,690
Street Lighting (Agencies)	$ 5,290,525	$ 439,995	$ 427,482	$ 416,951	$ 419,351	$ 445,451	$ 436,808	$ 516,047	$ 418,012	$ 451,933	$ 439,403	$ 431,759	$ 447,332
Sub-Total	$ 51,472,601	$ 4,497,638	$ 4,302,609	$ 4,457,113	$ 4,382,022	$ 4,392,807	$ 4,395,259	$ 4,474,070	$ 4,069,066	$ 4,028,403	$ 4,311,036	$ 4,014,660	$ 4,147,918
Total	$ 295,487,315	$ 26,128,065	$ 24,537,443	$ 25,333,204	$ 24,973,388	$ 24,709,127	$ 24,444,346	$ 26,172,133	$ 23,994,386	$ 24,122,156	$ 25,052,955	$ 22,881,617	$ 23,138,496
U.S. Navy	$ 57,747,845	$ 4,155,974	$ 5,033,103	$ 4,642,130	$ 4,254,065	$ 4,851,893	$ 5,325,383	$ 5,019,382	$ 5,331,702	$ 4,458,411	$ 5,160,265	$ 4,283,028	$ 5,232,508
Grand Total	$ 353,235,160	$ 30,284,040	$ 29,570,546	$ 29,975,334	$ 29,227,453	$ 29,561,020	$ 29,769,728	$ 31,191,516	$ 29,326,087	$ 28,580,567	$ 30,213,220	$ 27,164,645	$ 28,371,004
NUMBER OF CUSTOMERS:													
Residential	43,918	43,995	44,119	43,898	43,996	43,950	43,991	43,969	43,866	43,902	43,803	43,807	43,718
Small General Non Demand	4,135	4,153	4,142	4,129	4,131	4,134	4,127	4,134	4,131	4,145	4,130	4,137	4,128
Small General Demand	985	991	981	981	982	982	980	981	984	988	988	988	989
Large General	117	118	119	118	117	119	116	115	116	116	117	115	116
Private Outdoor Lighting	528	527	527	530	527	530	526	527	526	527	530	528	528
Independent Power Producer	3	2	2	3	3	3	3	3	3	3	4	4	3
Sub-Total	49,685	49,786	49,890	49,659	49,756	49,718	49,743	49,729	49,626	49,681	49,572	49,579	49,482
Government Service:													
Small Non Demand	680	684	686	679	678	676	675	678	678	677	684	684	684
Small Demand	350	351	350	350	354	351	353	351	352	349	346	347	348
Large	46	47	47	47	47	46	45	45	45	45	45	45	45
Street Lighting (Agencies)	332	421	389	378	378	377	297	297	297	297	293	290	272
Sub-Total	1,408	1,503	1,472	1,454	1,457	1,450	1,370	1,371	1,372	1,368	1,368	1,366	1,349
Total	51,093	51,289	51,362	51,113	51,213	51,168	51,113	51,100	50,998	51,049	50,940	50,945	50,831
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	51,094	51,290	51,363	51,114	51,214	51,169	51,114	51,101	50,999	51,050	50,941	50,946	50,832

GPA303

GUAM POWER AUTHORITY
ACCRUED REVENUE
FEBRUARY 2018

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE AMOUNT	TOTAL REVENUE C/KWH	BASE RATE REVENUE C/KWH	BASE RATE REVENUE AMOUNT	AVERAGE PER CUSTOMER KWH	AVERAGE PER CUSTOMER REVENUE	NON-FUEL C/KWH	NON-FUEL AMOUNT	FUEL C/KWH	FUEL AMOUNT
Month												
R Residential	43,995	36,809,815	$ 9,633,432	$ 26.17	$ 26.17	$ 9,633,432	837	$ 219	$ 9.70	$ 3,571,959	$ 16.47	$ 6,061,473
G Small Gen. Non Demand	4,153	6,154,115	$ 1,869,658	$ 30.38	$ 30.38	$ 1,869,658	1,482	$ 450	$ 13.88	$ 854,318	$ 16.50	$ 1,015,340
J Small Gen. Demand	991	14,164,319	$ 4,006,949	$ 28.29	$ 28.29	$ 4,006,949	14,293	$ 4,043	$ 12.17	$ 1,724,241	$ 16.12	$ 2,282,708
P Large General	118	23,674,407	$ 6,086,686	$ 25.71	$ 25.71	$ 6,086,686	200,631	$ 51,582	$ 10.71	$ 2,535,100	$ 15.00	$ 3,551,586
I Independent Power Producer	2	28,976	$ 7,969	$ 27.50	$ 27.50	$ 7,969	14,488	$ 3,984	$ 13.29	$ 3,850	$ 14.21	$ 4,118
H Private St. Lights	527	32,408	$ 25,733	$ 79.40	$ 79.40	$ 25,733	61	$ 49	$ 64.68	$ 20,961	$ 14.73	$ 4,773
Sub-Total	49,786	80,864,040	$ 21,630,428	$ 26.75	$ 26.75	$ 21,630,428	1,624	$ 434	$ 10.77	$ 8,710,429	$ 15.98	$ 12,919,999
Government Service:												
S Small Non Demand	684	1,119,571	$ 335,126	$ 29.93	$ 29.93	$ 335,126	1,637	$ 490	$ 15.20	$ 170,214	$ 14.73	$ 164,912
K Small Demand	351	7,377,578	$ 2,094,220	$ 28.39	$ 28.39	$ 2,094,220	21,019	$ 5,966	$ 13.66	$ 1,007,753	$ 14.73	$ 1,086,466
L Large	47	5,905,830	$ 1,628,297	$ 27.57	$ 27.57	$ 1,628,297	125,656	$ 34,645	$ 13.02	$ 768,942	$ 14.55	$ 859,355
F Street Lighting (Agencies)	421	669,689	$ 439,995	$ 65.70	$ 65.70	$ 439,995	1,591	$ 1,045	$ 50.97	$ 341,373	$ 14.73	$ 98,622
Sub-Total	1,503	15,072,669	$ 4,497,638	$ 29.84	$ 29.84	$ 4,497,638	10,028	$ 2,992	$ 15.18	$ 2,288,282	$ 14.66	$ 2,209,355
Civilian Customers	51,289	95,936,708	$ 26,128,065	$ 27.23	$ 27.23	$ 26,128,065	1,871	$ 509	$ 11.46	$ 10,998,711	$ 15.77	$ 15,129,354
U.S. Navy	1	23,304,608	$ 4,155,974	$ 17.83	$ 17.83	$ 4,155,974			$ 6.53	$ 1,522,793	$ 11.30	$ 2,633,181
TOTAL	51,290	119,241,316	$ 30,284,040	$ 25.40	$ 25.40	$ 30,284,040	2,325	$ 590	$ 10.50	$ 12,521,504	$ 14.90	$ 17,762,536
Five Months Ended February 2018												
R Residential	43,992	207,254,376	$ 46,040,029	$ 22.21	$ 22.21	$ 46,040,029	4,711	$ 1,047	$ 9.61	$ 19,914,164	$ 12.61	$ 26,125,866
G Small Gen. Non Demand	4,138	34,082,288	$ 8,958,947	$ 26.29	$ 26.29	$ 8,958,947	8,237	$ 2,165	$ 13.66	$ 4,655,958	$ 12.63	$ 4,302,989
J Small Gen. Demand	983	77,157,122	$ 18,947,946	$ 24.56	$ 24.56	$ 18,947,946	78,460	$ 19,268	$ 11.99	$ 9,252,332	$ 12.57	$ 9,695,613
P Large General	118	130,253,282	$ 29,511,932	$ 22.66	$ 22.66	$ 29,511,932	1,101,974	$ 249,678	$ 10.35	$ 13,477,504	$ 12.31	$ 16,034,429
I Independent Power Producer	528	282,194	$ 63,044	$ -	$ 22.34	$ 63,044	534	$ 119	$ 10.67	$ 30,118	$ 11.67	$ 32,925
H Private St. Lights	3	168,787	$ 127,140	$ 75.33	$ 75.33	$ 127,140	64,918	$ 48,900	$ 62.99	$ 106,313	$ 12.34	$ 20,827
Sub-Total	49,762	449,198,050	$ 103,649,038	$ 23.07	$ 23.07	$ 103,649,038	9,027	$ 2,083	$ 10.56	$ 47,436,389	$ 12.51	$ 56,212,649
Government Service:												
S Small Non Demand	681	6,146,591	$ 1,677,018	$ 27.28	$ 27.28	$ 1,677,018	9,031	$ 2,464	$ 14.97	$ 920,335	$ 12.31	$ 756,682
K Small Demand	351	39,926,301	$ 10,268,634	$ 25.72	$ 25.72	$ 10,268,634	113,685	$ 29,239	$ 13.40	$ 5,350,597	$ 12.32	$ 4,918,037
L Large	47	32,002,581	$ 7,937,307	$ 24.80	$ 24.80	$ 7,937,307	683,816	$ 169,601	$ 12.63	$ 4,043,227	$ 12.17	$ 3,894,080
F Street Lighting (Agencies)	389	3,565,091	$ 2,149,230	$ 60.29	$ 60.29	$ 2,149,230	9,174	$ 5,531	$ 47.96	$ 1,709,767	$ 12.33	$ 439,463
Sub-Total	1,467	81,640,563	$ 22,032,189	$ 26.99	$ 26.99	$ 22,032,189	55,644	$ 15,016	$ 14.73	$ 12,023,927	$ 12.26	$ 10,008,262
Civilian Customers	51,229	530,838,612	$ 125,681,227			$ 125,681,227	10,362	$ 2,453		$ 59,460,316		$ 66,220,911
U.S. Navy	1	130,177,731	$ 22,937,166	$ 17.62	$ 17.62	$ 22,937,166			$ 6.16	$ 8,015,843	$ 11.46	$ 14,921,323
TOTAL	51,230	661,016,343	$ 148,618,393	$ 22.48	$ 22.48	$ 148,618,393	12,903	$ 2,901	$ 10.21	$ 67,476,159	$ 12.28	$ 81,142,234
Twelve Months Ended February 2018												
R Residential	43,918	513,931,308	$ 109,024,353	$ 21.21	$ 21.21	$ 109,024,353	11,702	$ 2,482	$ 9.60	$ 49,317,073	$ 11.62	$ 59,707,280
G Small Gen. Non Demand	4,135	84,154,981	$ 21,238,611	$ 25.24	$ 25.24	$ 21,238,611	20,351	$ 5,136	$ 13.60	$ 11,448,897	$ 11.63	$ 9,789,714
J Small Gen. Demand	985	190,201,689	$ 44,672,129	$ 23.49	$ 23.49	$ 44,672,129	193,180	$ 45,372	$ 11.89	$ 22,617,464	$ 11.60	$ 22,054,665
P Large General	117	315,396,670	$ 68,591,949	$ 21.75	$ 21.75	$ 68,591,949	2,699,544	$ 587,092	$ 10.31	$ 32,512,451	$ 11.44	$ 36,079,498
I Independent Power Producer	3	809,819	$ 185,194	$ 22.87	$ 22.87	$ 185,194	269,940	$ 61,731	$ 11.46	$ 92,825	$ 11.41	$ 92,369
H Private St. Lights	528	450,582	$ 302,479	$ 67.13	$ 67.13	$ 302,479	854	$ 573	$ 56.73	$ 255,595	$ 10.41	$ 46,883
Sub-Total	49,685	1,104,945,049	$ 244,014,715	$ 22.08	$ 22.08	$ 244,014,715	22,239	$ 4,911	$ 10.52	$ 116,244,306	$ 11.56	$ 127,770,409
Government Service:												
S Small Non Demand	680	14,530,715	$ 3,850,909	$ 26.50	$ 26.50	$ 3,850,909	21,361	$ 5,661	$ 15.02	$ 2,181,930	$ 11.49	$ 1,668,979
K Small Demand	350	96,537,751	$ 24,026,222	$ 24.89	$ 24.89	$ 24,026,222	275,691	$ 68,614	$ 13.42	$ 12,955,488	$ 11.47	$ 11,070,734
L Large	46	76,477,613	$ 18,304,945	$ 23.94	$ 23.94	$ 18,304,945	1,671,642	$ 400,108	$ 12.59	$ 9,631,806	$ 11.34	$ 8,673,139
F Street Lighting (Agencies)	332	8,943,540	$ 5,290,525	$ 59.15	$ 59.15	$ 5,290,525	26,925	$ 15,927	$ 47.70	$ 4,266,111	$ 11.45	$ 1,024,414
Sub-Total	1,408	196,489,620	$ 51,472,601	$ 26.20	$ 26.20	$ 51,472,601	139,519	$ 36,549	$ 14.78	$ 29,035,335	$ 11.42	$ 22,437,266
Civilian Customers	51,093	1,301,434,669	$ 295,487,315	$ 22.70	$ 22.70	$ 295,487,315	25,472	$ 41,460	$ 11.16	$ 145,279,641	$ 11.54	$ 150,207,675
U.S. Navy	1	319,107,219	$ 57,747,845	$ 18.10	$ 18.10	$ 57,747,845			$ 6.32	$ 20,152,453	$ 11.78	$ 37,595,392
TOTAL	51,094	1,620,541,888	$ 353,235,160	$ 21.80	$ 21.80	$ 353,235,160	31,717	$ 6,913	$ 10.21	$ 165,432,094	$ 11.59	$ 187,803,066

GPA-318 **ENERGY ACCOUNT** **FOR INTERNAL USE ONLY**

318Feb18 **FY 2018 Versus FY 2017**

	February 2018		February 2017		Y T D 2018		Y T D 2017		MOVING TWELVE MONTHS	
Gross Generation										
Number of days in Period	**28**		**28**		**151**		**31**		**365**	
Peak demand	**241**		**246**		**254**		**252**		**261**	
Date	**02/12/18**		**02/25/17**		**10/30/17**		**11/29/16**		**08/01/17**	
	KWH	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	58,479,000		58,596,000		316,294,000		328,374,000		682,913,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	22,095,400		26,974,100		129,721,000		139,541,400		309,813,300	
MEC (ENRON) Piti 9 (IPP)	24,733,700		27,929,300		137,758,900		134,194,400		311,626,800	
TEMES Piti 7 (IPP)	145,493		1,987,690		5,529,245		3,922,984		48,587,629	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:							0			
MDI 10MW	0		409,341		21,414		1,937,833		341,208	
NRG Solar Dandan	3,958,838		3,071,715		18,639,217		16,913,229		44,916,790	
Dededo CT #1	99,340		0		483,740		0		7,607,040	
Dededo CT #2	172,700		11,464		250,000		11,464		6,071,128	
Macheche CT	2,531,287		4,375,860		17,366,989		9,445,103		63,489,443	
Yigo CT (Leased)	2,335,631		1,149,462		13,512,827		13,113,869		41,774,904	
Tenjo	3,076,410		2,723,340		16,140,580		10,786,160		50,811,900	
Talofofo 10 MW	1,402,530		949,150		5,029,410		3,549,180		20,251,620	
Aggreko	11,990,124		3,045,998		64,396,071		53,609,938		184,232,672	
Wind Turbine*	39,425		44,679		180,214		267,324		300,085	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	131,059,877		**131,268,099**		**725,323,607**		**715,666,884**		**1,772,737,519**	
Ratio to last year		99.84		101.85		101.35		**102.60**		**101.94**
Station use	4,968,404		5,381,525		27,836,668		28,900,995		64,830,669	
Ratio to Gross generation		3.79		4.10		3.84		4.04		**3.66**
Net send out	126,091,473		125,886,573		697,486,939		686,765,890		1,707,906,850	
Ratio to last year		100.16		101.50		101.56		**102.73**		**102.01**
KWH deliveries:										
Sales to Navy (@34.5kv)	**23,304,608**		**22,750,741**		**130,177,731**		**129,656,414**		**319,107,220**	
Ratio to last year		102.43		92.07		100.40		**98.78**		**100.83**
GPA-metered	**102,786,865**		**103,135,832**		**567,309,208**		**557,109,476**		**1,388,799,630**	
Ratio to last year		99.66		103.85		101.83		**103.70**		**102.29**
Power factor adj.	0		0		0		0		0	
Adjusted	102,786,865		103,135,832		567,309,208		557,109,476		1,388,799,630	
GPA KWH Accountability:										
Sales to civilian customers-										
accrual basis	**95,936,708**		**94,866,692**		**530,838,612**		**520,911,054**		**1,301,434,670**	
Ratio to last year		101.13		101.17		101.91		**103.43**		**102.19**
GPA use-KWH	303,811		233,091		1,518,073		1,265,936		3,396,374	
Unaccounted For	6,546,346		8,036,049		34,952,523		34,932,485		83,968,585	
Ratio to deliveries		6.37		7.79		6.16		6.27		6.05
Ratio to Gross Generation		4.99		6.12		4.82		4.88		4.74
Ratio to Net Send Out		5.19		6.38		5.01		5.09		4.92

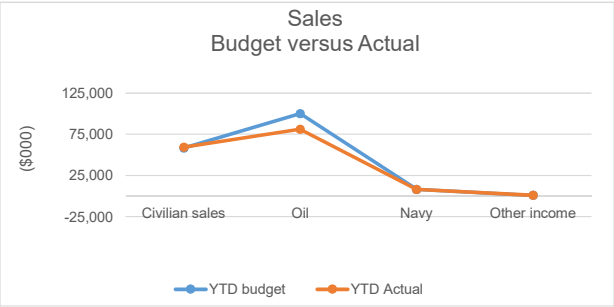
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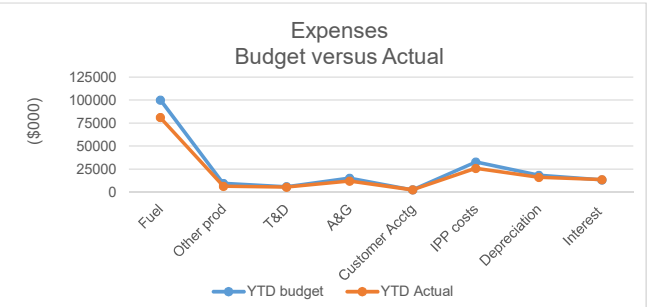
Guam Power Authority
Fuel Consumption
FY 2018

Description	February 2018 BARRELS	February 2018 AMOUNT	YEAR-TO-DATE BARRELS	YEAR-TO-DATE AMOUNT	MOVING 12 MONTHS BARREL S	MOVING 12 MONTHS 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	157,224	$9,975,593	809,142	$ 49,087,024	1,531,038	$ 90,472,264
Diesel	42,475	$3,853,402	239,410	$ 19,360,827	853,438	$ 63,885,113
Low Sulfur	4,893	$292,279	71,573	$ 4,384,312	451,213	$ 26,633,503
Deferred Fuel Costs	0	$2,385,338	0	$ 2,360,403	0	$ (9,388,192)
Fuel Adjustments	0	-$9,884		$ (19,006)	0	$ (382,263)
Fuel Handling Costs	0	$1,265,807	0	$ 5,968,674	0	$ 16,582,775
	204,592	**$17,762,535**	**1,120,125**	**$ 81,142,235**	**2,835,689**	**$ 187,803,200**
IWPS:						
GPA RFO	157,224	$9,975,593	809,142	$ 49,087,024	1,531,038	$ 90,472,264
Diesel	42,475	$3,853,402	239,410	$ 19,360,827	853,438	$ 63,885,113
Low Sulfur	4,893	$292,279	71,573	$ 4,384,312	451,213	$ 26,633,503
Deferred Fuel Costs	0	$2,385,338	0	$ 2,360,403	0	$ (9,388,192)
Fuel Variance	0	-$9,884	0	$ (19,006)		$ (382,263)
Fuel Handling Costs	0	$1,265,807	0	$ 5,968,674	0	$ 16,582,775
	204,592	**$17,762,535**	**1,120,125**	**$ 81,142,235**	**2,835,689**	**$ 187,803,200**
AVERAGE COST/Bbl.						
GPA RFO		**$63.45**		**$60.67**		**$59.09**
Diesel		**$90.72**		**$80.87**		**$74.86**
Low Sulfur		**$59.73**		**$61.26**		**$59.03**
AS BURNED						
Cabras 1 & 2						
RFO	95,183	$ 6,039,181	473,411	$ 28,812,563	966,176	$ 57,056,523
Low Sulfur	3,607	$ 213,231	46,008	$ 2,813,011	180,009	$ 10,634,399
Diesel	5	$ 355	366	$ 24,519	2,360	$ 159,103
	98,795	$ 6,252,767	519,784	$ 31,650,092	1,148,545	$ 67,850,025
Cabras 3 & 4						
RFO	0	$ -	0	$ -	0	$ -
Low Sulfur	0	$ -	0	$ -	0	$ -
Diesel	0	$ -	0	$ -	0	$ -
	0	$ -	0	$ -	0	$ -
MEC (Piti Units 8&9)						
RFO	62,041	$ 3,936,412	335,731	$ 20,274,461	564,862	$ 33,415,742
Low Sulfur	1,286	$ 79,049	25,565	$ 1,571,301	271,204	$ 15,999,104
Diesel	0	$ -	38	$ 2,127	77	$ 4,322
	63,327	$ 4,015,461	361,334	$ 21,847,889	836,143	$ 49,419,168
Diesel & CT's - GPA:						
MDI Dsl	0	$ -	31	$ 2,013	541	$ 36,221
Macheche CT	6,120	$ 549,055	38,315	$ 3,044,970	138,620	$ 10,350,240
Yigo CT	5,048	$ 455,903	28,008	$ 2,275,839	86,416	$ 6,493,818
Talofofo 10 MW	2,446	$ 223,034	8,683	$ 728,815	34,497	$ 2,594,842
Aggreko	22,174	$ 2,031,090	118,220	$ 9,582,251	335,410	$ 25,207,056
Tenjo	5,293	$ 488,097	27,687	$ 2,322,309	88,266	$ 6,830,333
TEMES (IPP)	440	$ 32,512	15,341	$ 1,158,265	124,091	$ 9,043,219
GWA Generators	22	$ 2,528	283	$ 33,295	684	$ 80,465
	42,470	$ 3,853,047	239,007	$ 19,334,181	851,000	$ 63,721,688
Deferred Fuel Costs	0	$ 2,385,338		$ 2,360,403		$ (9,388,192)
Adjustment		$ (9,884)		$ (19,006)		$ (382,263)
Fuel Handling Costs	0	$ 1,265,807		$ 5,968,674		$ 16,582,775
TOTAL	**204,593**	**$ 17,762,535**	**1,120,125**	**$ 81,142,235**	**2,835,689**	**$ 187,803,200**

Statement of operations
Comparison-Budget versus Actual
For the month and year to date ended February 28, 2018

	Budget	Actual February-18	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	97,101	95,937	1,164	521,867	530,858	-8,991
Non-fuel yield	$ 0.106092	$ 0.114648	$ (0.008556)	$ 0.111902	$ 0.112009	$ (0.000107)
KwH Sales-Navy	24,567	23,305	1,262	130,487	129,767	720
Non-fuel yield	$ 0.061774	$ 0.065351	$ (0.003577)	$ 0.061774	$ 0.061765	$ 0.000010
Operating revenue						
Civilian sales	10,904	10,999	(95)	58,398	59,461	(1,063)
Oil	18,692	17,763	929	100,223	81,142	19,081
Navy	1,518	1,523	(5)	8,061	8,015	46
Other income	169	260	(91)	846	912	(66)
	31,283	30,545	738	167,527	149,530	17,998
Bad debts expense	87	87	0	433	433	0
Total operating revenues	31,196	30,458	738	167,094	149,097	17,998
Operating expenses:						
Production fuel	18,692	17,763	930	100,223	81,142	19,081
O & M expenses:						
Other production	2,029	1,212	817	9,605	6,362	3,243
Transmission distribution	1,163	1,248	(86)	5,878	5,388	491
Administrative expense	2,760	2,326	434	15,213	12,096	3,116
Customer accounting	484	379	105	2,045	2,051	(6)
	6,435	5,165	1,270	32,741	25,897	6,844
IPP costs	1,383	1,384	(1)	7,672	7,721	(49)
Depreciation	3,635	2,894	741	18,175	16,133	2,042
	30,146	27,206	2,940	158,810	130,893	27,916
Operating income	1,051	3,253	(2,202)	8,285	18,203	(9,919)
Other revenue (expenses):						
Investment income	99	(444)	542	493	1,460	(967)
Interest expense	(2,654)	(2,650)	(4)	(13,279)	(13,482)	204
AFUDC	61	197	(136)	304	1,218	(913)
Bond issuance costs/Other expenses	135	63	71	673	(2,389)	3,062
Net income before capital contribution	(1,309)	419	(1,729)	(3,524)	5,009	(8,534)
Grants from the U.S. Government	-	70	(70)	-	75	(75)
Increase (decrease) in net assets	(1,309)	489	(1,799)	(3,524)	5,084	(8,609)

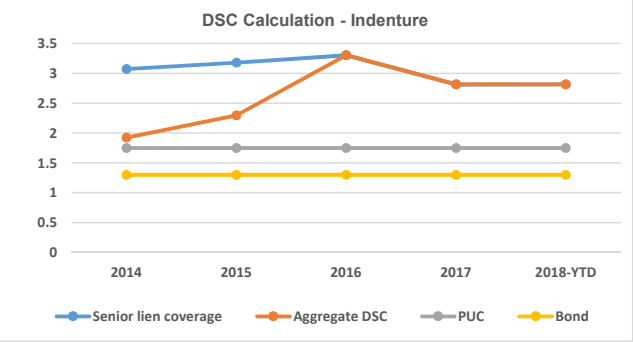


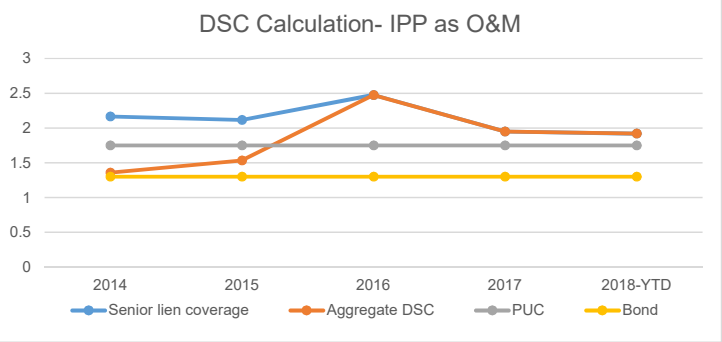


Guam Power Authority
Debt service coverage
February 28, 2018

	2014	2015	2016	2017	YTD 2/28/2018
Operating revenues					
Sales	434,462	366,185	306,896	331,071	148,618
Miscellaneous	2,156	4,775	2,294	2,245	912
Total revenues	436,618	370,960	309,190	333,316	149,530
Bad debts expense	178	959	990	472	433
Total operating revenues	$ 436,440	$ 370,001	$ 308,200	$ 332,844	$ 149,097
Operating expenses					
Production fuel	271,175	204,136	146,340	166,425	81,142
Other production	19,305	20,079	15,789	17,784	6,362
Energy conversion costs	20,632	18,404	16,800	19,935	7,721
Transmission and distribution	12,950	11,170	10,721	11,704	5,388
Customer accounting	3,821	3,780	4,502	4,284	2,051
Admin and General	28,393	21,908	28,846	26,798	12,096
Total Expenses	$ 356,276	$ 279,477	$ 222,998	$ 246,930	$ 114,760
Operating income	$ 80,164	$ 90,524	$ 85,202	$ 85,914	$ 34,336
Interest/Other income (expenses)	157	256	-1,188	-32	1,246
Debt service and lease payments					
IPP lease payments	23,084	26,622	20,790	20,796	8,240
Capital lease payments-Aggreko	0	0	0	5,609	3,116
2017 bonds	0	0	0	0	1,393
2014 bonds	0	0	10	5,084	2,118
2012 bonds	17,455	17,096	17,098	17,449	7,119
2010 senior bonds	7,999	7,999	7,999	7,999	2,000
2010 subordinate	15,193	9,605	0	0	0
Total Debt service-bonds	$ 40,647	$ 34,700	$ 25,106	$ 30,532	$ 12,631
Total Debt service and capital lease	$ 63,731	$ 61,322	$ 45,896	$ 56,937	$ 23,986

Debt service coverage (DSC) calculation-indenture					
Senior lien coverage	3.16	3.62	3.35	2.81	2.82
Aggregate debt service coverage	1.98	2.62	3.35	2.81	2.82
Debt service coverage (DSC) calculation-IPP as O&M					
Senior lien coverage	2.25	2.56	2.52	1.95	1.92
Aggregate debt service coverage	1.41	1.85	2.52	1.95	1.92

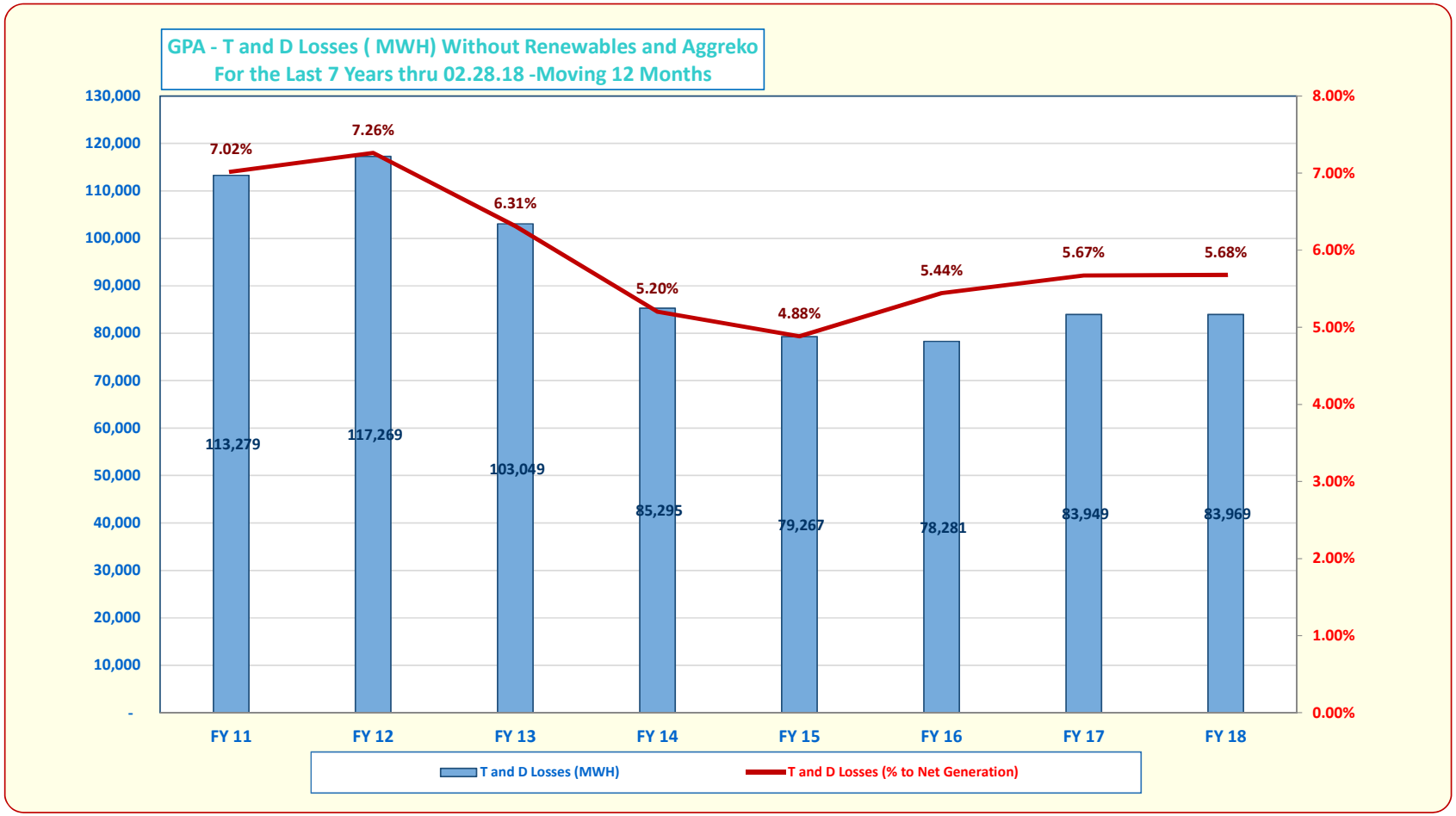


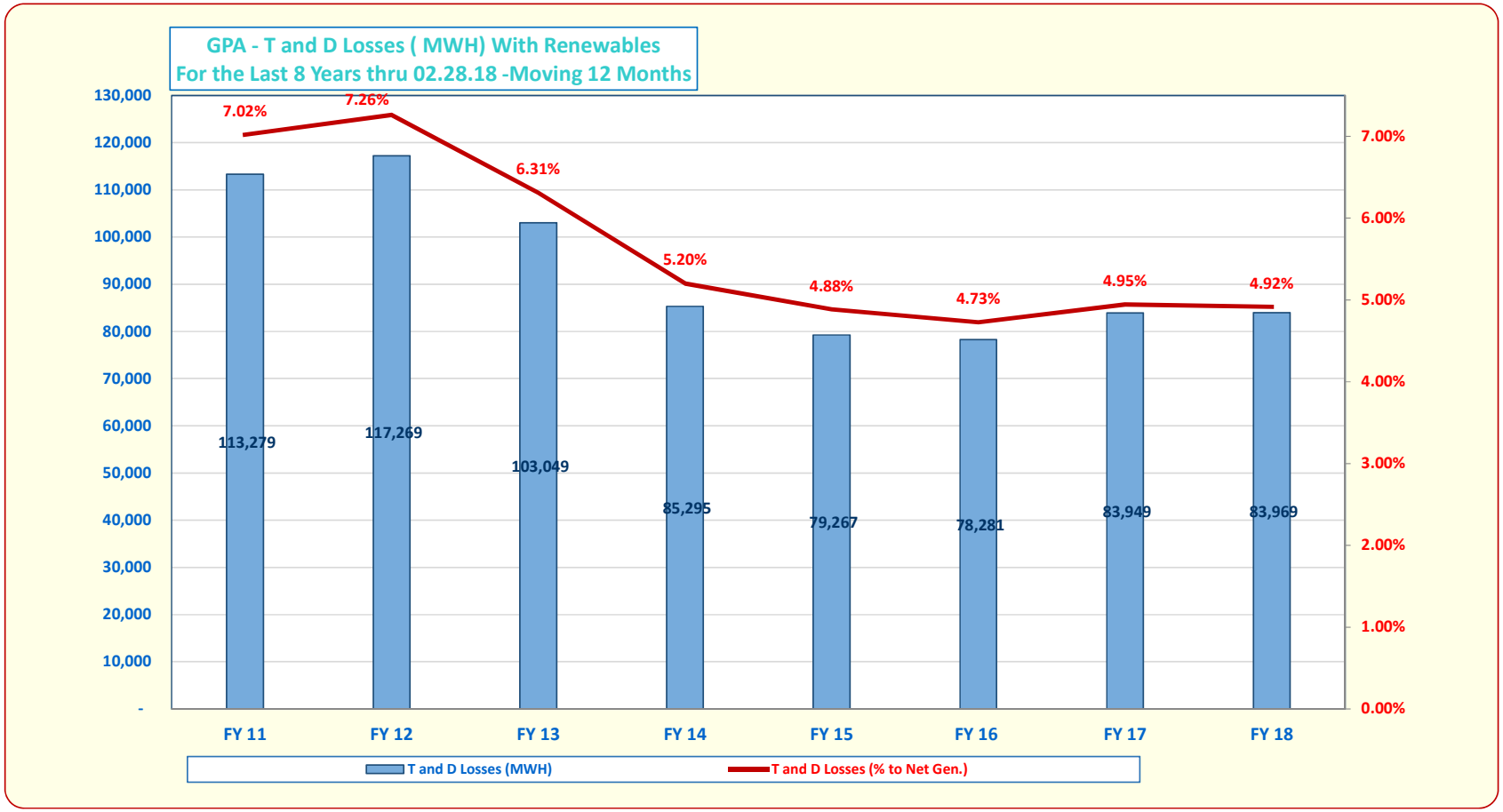


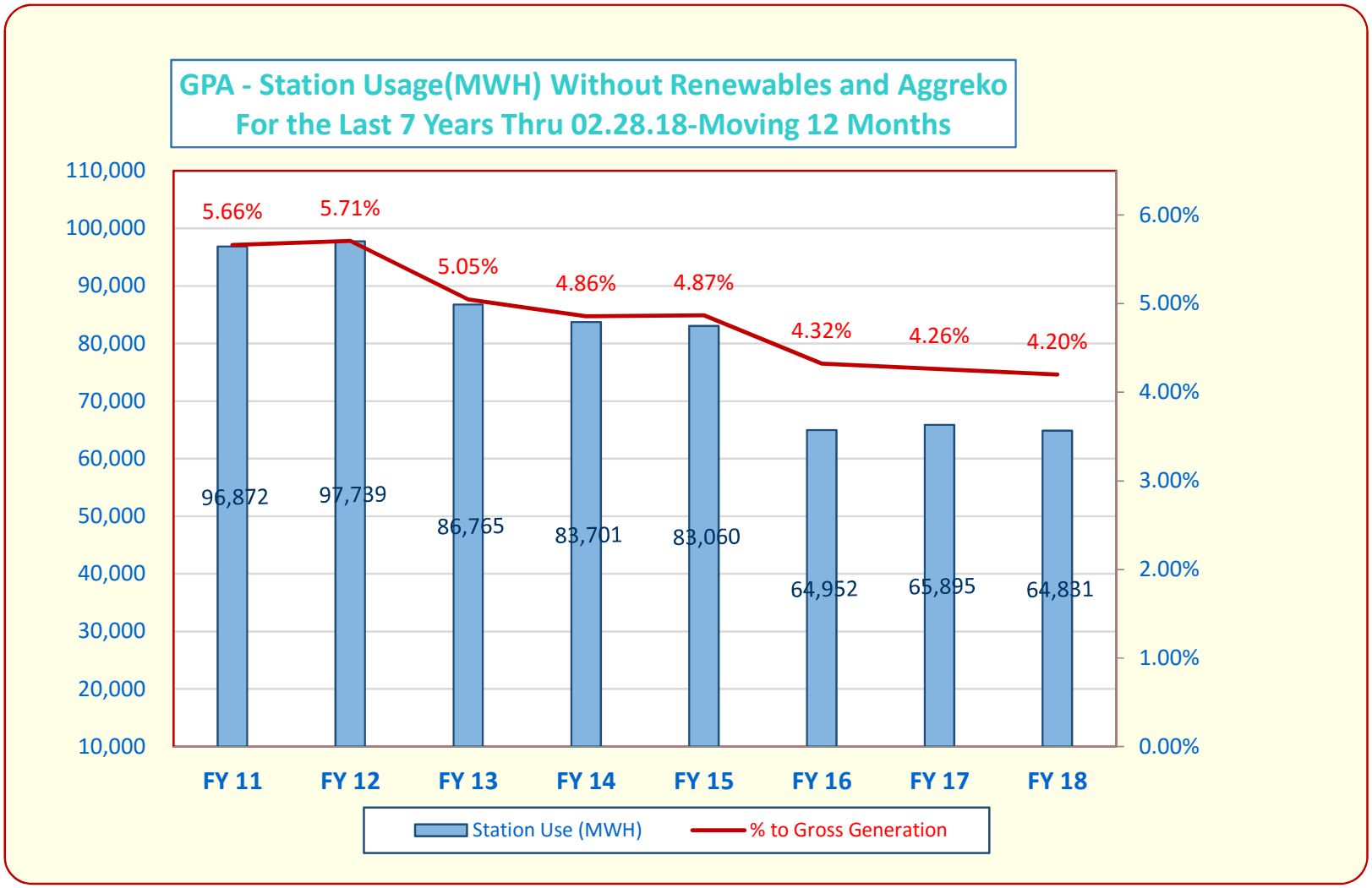
REVENUES-ACTUAL VS PROJECTIONS

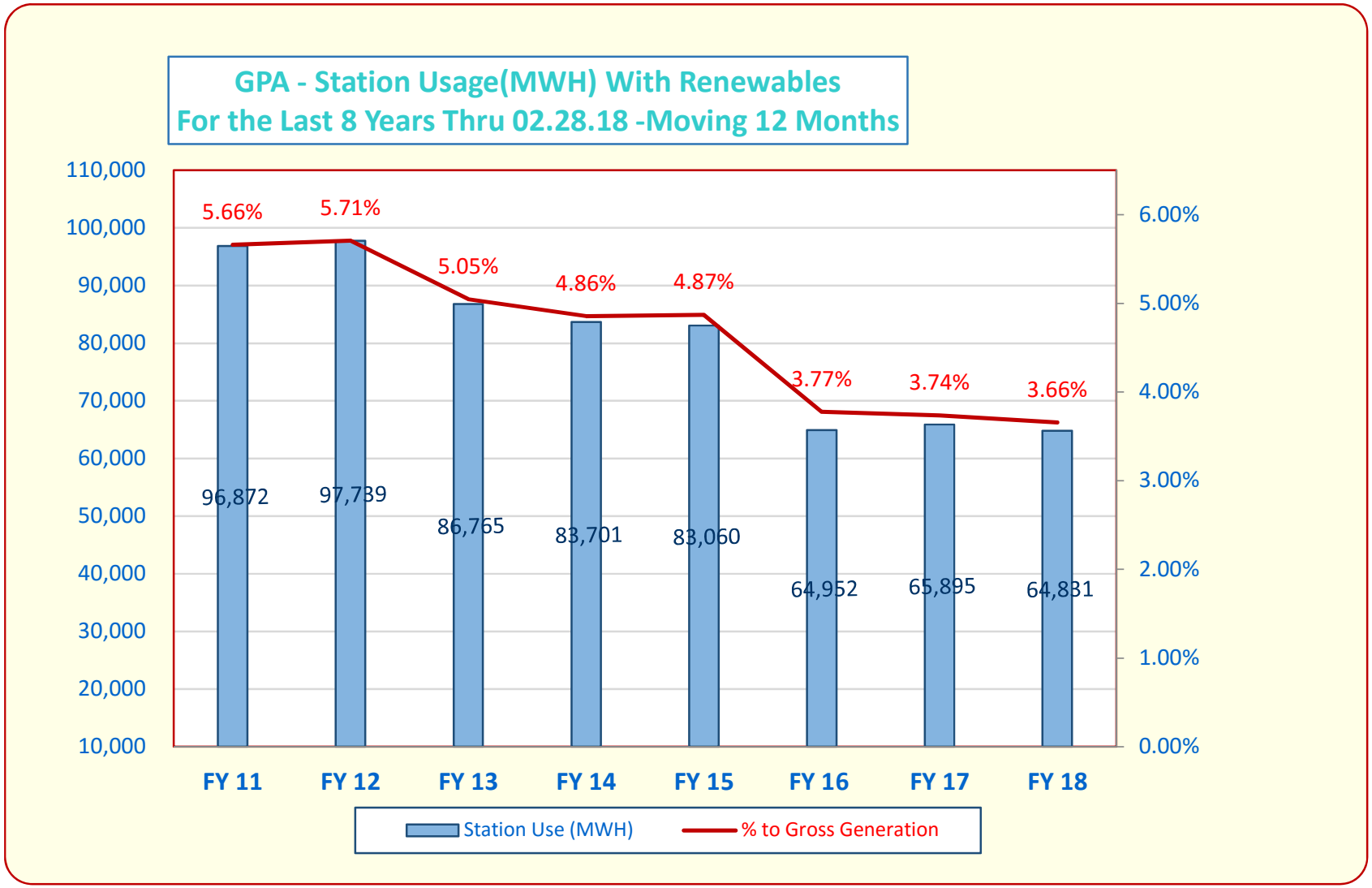
	MONTHLY - FEBRUARY 2018				YTD THRU 02/28/2018			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	35,840,161	36,809,815	969,654	2.71%	199,283,037	207,254,376	7,971,339	4.00%
Small General-Non-Demand	6,528,668	6,154,115	(374,553)	-5.74%	34,002,848	34,082,288	79,441	0.23%
Small General-Demand	14,783,115	14,164,319	(618,796)	-4.19%	77,634,962	77,157,122	(477,840)	-0.62%
Large	24,639,833	23,674,407	(965,426)	-3.92%	131,851,233	130,253,282	(1,597,951)	-1.21%
Independent Power Producers	30,822	28,976	(1,846)	-5.99%	164,932	282,194	117,262	71.10%
Private St. Lites	52,233	32,408	(19,826)	-37.96%	275,574	168,787	(106,786)	-38.75%
Sub-total	**81,874,832**	**80,864,040**	**(1,010,793)**	**-1.23%**	**443,212,585**	**449,198,050**	**5,985,465**	**1.35%**
Government								
Small_Non Demand	972,308	1,119,571	147,263	15.15%	5,374,281	6,146,591	772,310	14.37%
Small-Demand	7,686,437	7,377,578	(308,858)	-4.02%	39,329,674	39,926,301	596,626	1.52%
Large	5,814,228	5,905,830	91,602	1.58%	29,914,734	32,002,581	2,087,846	6.98%
Public St. Lites	753,059	669,689	(83,370)	-11.07%	4,036,170	3,565,091	(471,079)	-11.67%
Sub-total	**15,226,031**	**15,072,669**	**(153,363)**	**-1.01%**	**78,654,860**	**81,640,563**	**2,985,703**	**3.80%**
Total-Civilian	**97,100,864**	**95,936,708**	**(1,164,156)**	**-1.20%**	**521,867,445**	**530,838,612**	**8,971,168**	**1.72%**
USN	24,566,683	23,304,608	(1,262,075)	-5.14%	130,487,602	130,177,731	(309,871)	-0.24%
Grand Total	**121,667,546**	**119,241,316**	**(2,426,230)**	**-1.99%**	**652,355,047**	**661,016,343**	**8,661,297**	**1.33%**
					-	-		
Non-Oil Yield								
Residential	0.096203	0.097038	0.000835	0.87%	0.096203	0.096086	(0.000118)	-0.12%
Small General-Non-Demand	0.136364	0.138821	0.002456	1.80%	0.136364	0.136609	0.000245	0.18%
Small General-Demand	0.119423	0.121731	0.002308	1.93%	0.119423	0.119915	0.000492	0.41%
Large	0.103705	0.107082	0.003377	3.26%	0.103705	0.103472	(0.000233)	-0.22%
Independent Power Producers	0.117983	0.132878	0.014895	0.00%	0.117983	0.106729	(0.011254)	0.00%
Private St. Lites	0.454278	0.646774	0.192496	42.37%	0.454278	0.629863	0.175585	38.65%
Sub-total	**0.106092**	**0.107717**	**0.001625**	**1.53%**	**0.105814**	**0.105602**	**(0.000212)**	**-0.20%**
Government					-			
Small_Non Demand	0.152255	0.152035	(0.000219)	-0.14%	0.152255	0.149731	(0.002524)	-1.66%
Small-Demand	0.135082	0.136597	0.001515	1.12%	0.135082	0.134012	(0.001070)	-0.79%
Large	0.128102	0.130201	0.002098	1.64%	0.128102	0.126341	(0.001761)	-1.37%
Public St. Lites	0.380746	0.509748	0.129002	33.88%	0.380746	0.479586	0.098840	25.96%
Sub-total	**0.145663**	**0.151817**	**0.006153**	**4.22%**	**0.146207**	**0.147279**	**0.001072**	**0.73%**
Total-Civilian	**0.112297**	**0.114645**	**0.002348**	**2.09%**	**0.111902**	**0.112012**	**0.000110**	**0.10%**
USN	0.061774	0.065343	0.003569	5.78%	0.061774	0.061576	(0.000198)	-0.32%
Grand Total	**0.102096**	**0.105010**	**0.002914**	**2.85%**	**0.101875**	**0.102079**	**0.000204**	**0.20%**
Non-Oil Revenues								
Residential	3,447,945	3,571,959	124,014	3.60%	19,171,704	19,914,164	742,460	3.87%
Small General-Non-Demand	890,277	854,318	(35,959)	-4.04%	4,636,773	4,655,958	19,186	0.41%
Small General-Demand	1,765,446	1,724,241	(41,205)	-2.33%	9,271,411	9,252,332	(19,079)	-0.21%
Large	2,555,265	2,535,100	(20,165)	-0.79%	13,673,584	13,477,504	(196,081)	-1.43%
Independent Power Producers	3,636	3,850	214	5.88%	19,459	30,118	10,659	54.78%
Private St. Lites	23,729	20,961	(2,768)	-11.66%	125,187	106,313	(18,874)	-15.08%
Sub-total	**8,686,298**	**8,710,429**	**24,131**	**0.28%**	**46,898,118**	**47,436,389**	**538,271**	**1.15%**
Government								
Small_Non Demand	148,038	170,214	22,176	14.98%	818,259	920,335	102,077	12.47%
Small-Demand	1,038,298	1,007,753	(30,544)	-2.94%	5,312,723	5,350,597	37,874	0.71%
Large	744,814	768,942	24,128	3.24%	3,832,138	4,043,227	211,089	5.51%
Public St. Lites	286,725	341,373	54,648	19.06%	1,536,757	1,709,767	173,010	11.26%
Sub-total	**2,217,875**	**2,288,282**	**70,408**	**3.17%**	**11,499,877**	**12,023,927**	**524,050**	**4.56%**
Total-Civilian	**10,904,173**	**10,998,711**	**94,539**	**0.87%**	**58,397,994**	**59,460,316**	**1,062,321**	**1.82%**
USN	1,517,581	1,522,793	5,212	0.34%	8,060,736	8,015,843	(44,893)	-0.56%
Grand Total	**12,421,754**	**12,521,504**	**99,750**	**0.80%**	**66,458,730**	**67,476,159**	**1,017,429**	**1.53%**
% of Total Revenues	39.92%	41.35%			39.87%	45.40%		
Oil Revenues								
Residential	5,506,205	6,061,473	555,268	10.08%	30,616,304	26,125,866	(4,490,438)	-14.67%
Small General-Non-Demand	1,003,014	1,015,340	12,326	1.23%	5,223,935	4,302,989	(920,946)	-17.63%
Small General-Demand	2,271,163	2,282,708	11,545	0.51%	11,927,235	9,695,613	(2,231,622)	-18.71%
Large	3,785,473	3,551,586	(233,887)	-6.18%	20,256,604	16,034,429	(4,222,175)	-20.84%
Independent Power Producers	4,735	4,118	(617)	-13.03%	25,339	32,925	7,587	29.94%
Private St. Lites	8,025	4,773	(3,252)	-40.53%	42,337	20,827	(21,510)	-50.81%
Sub-total	**12,578,616**	**12,919,999**	**341,383**	**2.71%**	**68,091,753**	**56,212,649**	**(11,879,104)**	**-17.45%**
Government								
Small_Non Demand	149,378	164,912	15,534	10.40%	825,663	756,682	(68,981)	-8.35%
Small-Demand	1,180,885	1,086,466	(94,418)	-8.00%	6,042,307	4,918,037	(1,124,270)	-18.61%
Large	893,253	859,355	(33,898)	-3.79%	4,595,868	3,894,080	(701,789)	-15.27%
Public St. Lites	115,694	98,622	(17,072)	-14.76%	620,086	439,463	(180,623)	-29.13%
Sub-total	**2,339,210**	**2,209,355**	**(129,854)**	**-5.55%**	**12,083,924**	**10,008,262**	**(2,075,662)**	**-17.18%**
Total-Civilian	**14,917,826**	**15,129,354**	**211,529**	**1.42%**	**80,175,678**	**66,220,911**	**(13,954,766)**	**-17.41%**
USN	3,774,235	2,633,181	(1,141,054)	-30.23%	20,047,106	14,921,323	(5,125,783)	-25.57%
Grand Total	**18,692,061**	**17,762,536**	**(929,525)**	**-4.97%**	**100,222,783**	**81,142,234**	**(19,080,550)**	**-19.04%**
% of Total Revenues	60.08%	58.65%			60.13%	54.60%		
Grand Total								
Residential	8,954,150	9,633,432	679,282	7.59%	49,788,008	46,040,029	(3,747,979)	-7.53%
Small General-Non-Demand	1,893,291	1,869,658	(23,633)	-1.25%	9,860,707	8,958,947	(901,760)	-9.14%
Small General-Demand	4,036,609	4,006,949	(29,660)	-0.73%	21,198,646	18,947,946	(2,250,700)	-10.62%
Large	6,340,738	6,086,686	(254,052)	-4.01%	33,930,188	29,511,932	(4,418,255)	-13.02%
Independent Power Producers	8,372	7,969	(403)	-4.81%	44,798	63,044	18,246	40.73%
Private St. Lites	31,753	25,733	(6,020)	-18.96%	167,524	127,140	(40,384)	-24.11%
Sub-total	**21,264,914**	**21,630,428**	**365,514**	**1.72%**	**114,989,871**	**103,649,038**	**(11,340,833)**	**-9.86%**
Government					-			
Small_Non Demand	297,416	335,126	37,710	12.68%	1,643,922	1,677,018	33,096	2.01%
Small-Demand	2,219,182	2,094,220	(124,962)	-5.63%	11,355,030	10,268,634	(1,086,396)	-9.57%
Large	1,638,067	1,628,297	(9,770)	-0.60%	8,428,007	7,937,307	(490,700)	-5.82%
Public St. Lites	402,419	439,995	37,577	9.34%	2,156,843	2,149,230	(7,612)	-0.35%
Sub-total	**4,557,085**	**4,497,638**	**(59,447)**	**-1.30%**	**23,583,801**	**22,032,189**	**(1,551,612)**	**-6.58%**
Total-Civilian	**25,821,998**	**26,128,065**	**306,067**	**1.19%**	**138,573,672**	**125,681,227**	**(12,892,445)**	**-9.30%**
USN	5,291,816	4,155,974	(1,135,842)	-21.46%	28,107,842	22,937,166	(5,170,676)	-18.40%
Grand Total	**31,113,815**	**30,284,040**	**(829,775)**	**-2.67%**	**166,681,514**	**148,618,393**	**(18,063,121)**	**-10.84%**
	-	-	-					

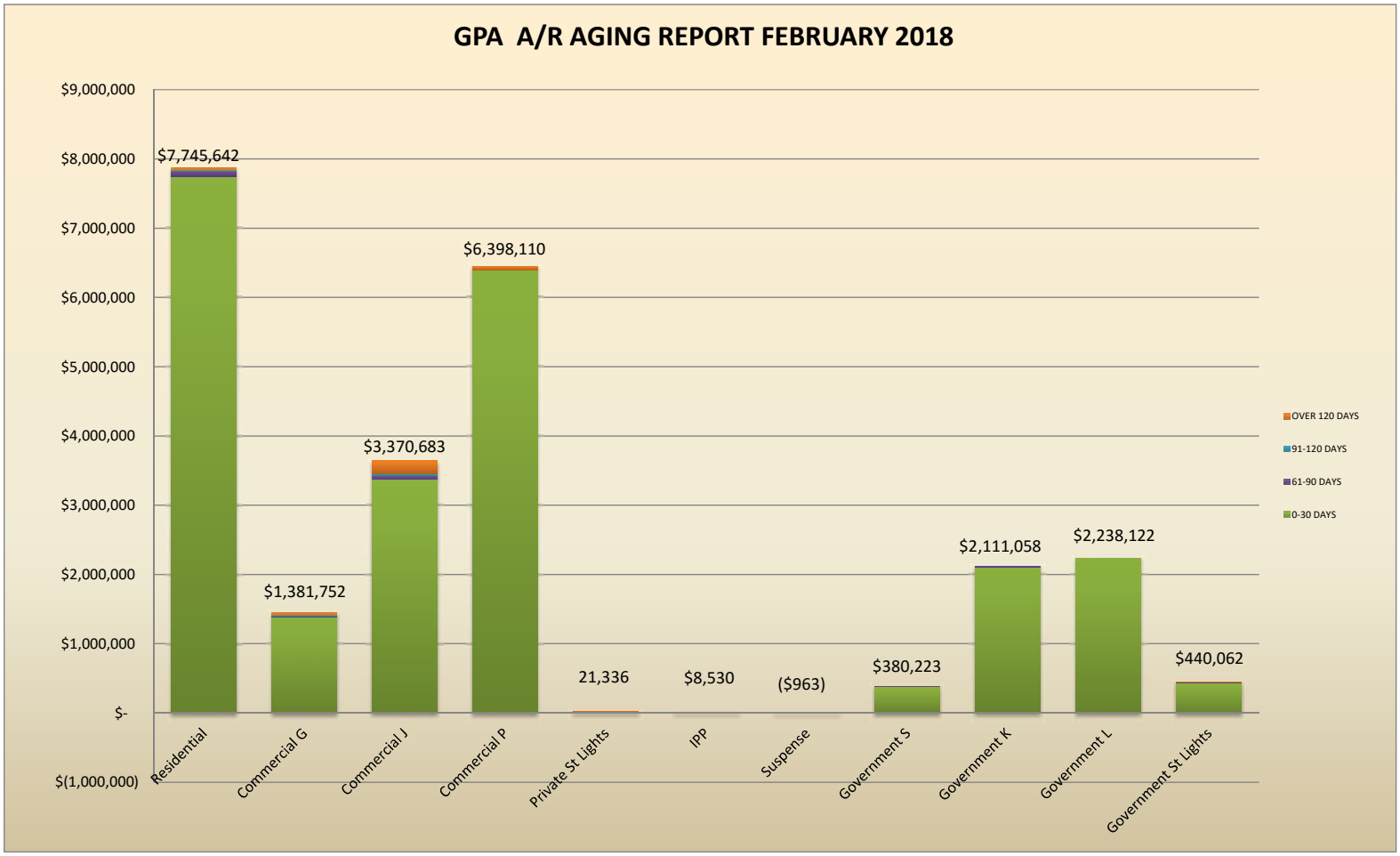
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 5 MONTHS ENDED FEBRUARY 28				ACTUALS - MONTH ENDED FEBRUARY 28			
	2018	2017	VARIANCE	% VARIANCE	2018	2017	VARIANCE	% VARIANCE
KWH								
Residential	207,254,376	199,658,670	7,595,706	3.80%	36,809,815	35,936,337	873,478	2.43%
Small General-Non-Demand	34,082,288	33,827,007	255,281	0.75%	6,154,115	6,497,885	(343,770)	-5.29%
Small General-Demand	77,157,122	77,006,358	150,764	0.20%	14,164,319	13,890,958	273,361	1.97%
Large	130,253,282	129,429,842	823,439	0.64%	23,674,407	23,699,969	(25,562)	-0.11%
Independent Power Producers	282,194	434,198	(152,004)	-35.01%	28,976	67,797	(38,820)	-57.26%
Private St. Lites	168,787	210,613	(41,826)	-19.86%	32,408	32,325	83	0.26%
Sub-total	**449,198,050**	**440,566,688**	**8,631,361**	**1.96%**	**80,864,040**	**80,125,270**	**738,770**	**0.92%**
Government								
Small_Non Demand	6,146,591	5,518,121	628,470	11.39%	1,119,571	996,603	122,967	12.34%
Small-Demand	39,926,301	40,267,151	(340,851)	-0.85%	7,377,578	7,382,544	(4,965)	-0.07%
Large	32,002,581	30,422,936	1,579,645	5.19%	5,905,830	5,654,767	251,063	4.44%
Public St. Lites	3,565,091	4,136,157	(571,066)	-13.81%	669,689	707,509	(37,819)	-5.35%
Sub-total	**81,640,563**	**80,344,365**	**1,296,198**	**1.61%**	**15,072,669**	**14,741,423**	**331,246**	**2.25%**
Total-Civilian	**530,838,612**	**520,911,054**	**9,927,559**	**1.91%**	**95,936,708**	**94,866,692**	**1,070,016**	**1.13%**
USN	130,177,731	129,656,413	521,318	0.40%	23,304,608	22,750,741	553,868	2.43%
Grand Total	**661,016,343**	**650,567,466**	**10,448,877**	**1.61%**	**119,241,316**	**117,617,433**	**1,623,883**	**1.38%**
Non-Oil Yield								
Residential	0.096086	0.096803	-0.000718	-0.74%	0.097038	0.098477	-0.001439	-1.46%
Small General-Non-Demand	0.136609	0.137591	-0.000982	-0.71%	0.138821	0.140148	-0.001327	-0.95%
Small General-Demand	0.119915	0.120878	-0.000962	-0.80%	0.121731	0.125381	-0.003650	-2.91%
Large	0.103472	0.103375	0.000096	0.09%	0.107082	0.107479	-0.000397	-0.37%
Independent Power Producers	0.000000	0.113642	-0.113642	-100.00%	0.132878	0.120229	0.012649	10.52%
Private St. Lites	0.629863	0.535485	0.094378	17.62%	0.646774	0.661940	-0.015165	-2.29%
Sub-total	**0.105602**	**0.106300**	**-0.000698**	**-0.66%**	**0.107717**	**0.109429**	**-0.001712**	**-1.56%**
Government								
Small_Non Demand	0.149731	0.152733	-0.003002	-1.97%	0.152035	0.154667	-0.002631	-1.70%
Small-Demand	0.134012	0.135314	-0.001302	-0.96%	0.136597	0.141372	-0.004775	-3.38%
Large	0.126341	0.126774	-0.000433	-0.34%	0.130201	0.131600	-0.001399	-1.06%
Public St. Lites	0.479586	0.465676	0.013909	2.99%	0.509748	0.527763	-0.018015	-3.41%
Sub-total	**0.147279**	**0.150284**	**-0.003005**	**-2.00%**	**0.151817**	**0.157067**	**-0.005250**	**-3.34%**
Total-Civilian	**0.112012**	**0.113084**	**-0.001072**	**-0.95%**	**0.114645**	**0.116832**	**-0.002186**	**-1.87%**
USN	0.061576	0.060057	0.001519	2.53%	0.065343	0.060232	0.005111	8.48%
Grand Total	**0.102079**	**0.102516**	**-0.000436**	**-0.43%**	**0.105010**	**0.105884**	**-0.000874**	**-0.83%**
Non-Oil Revenues								
Residential	19,914,164	19,327,595	586,569	3.03%	3,571,959	3,538,907	33,052	0.93%
Small General-Non-Demand	4,655,958	4,654,295	1,663	0.04%	854,318	910,664	(56,347)	-6.19%
Small General-Demand	9,252,332	9,308,357	(56,025)	-0.60%	1,724,241	1,741,662	(17,421)	-1.00%
Large	13,477,504	13,379,864	97,640	0.73%	2,535,100	2,547,254	(12,154)	-0.48%
Independent Power Producers	30,118	49,343	(19,225)	-38.96%	3,850	8,151	(4,301)	-52.76%
Private St. Lites	106,313	112,780	(6,467)	-5.73%	20,961	21,397	(436)	-2.04%
Sub-total	**47,436,389**	**46,832,234**	**604,155**	**1.29%**	**8,710,429**	**8,768,035**	**(57,606)**	**-0.66%**
Government								
Small_Non Demand	920,335	842,800	77,535	9.20%	170,214	154,141	16,073	10.43%
Small-Demand	5,350,597	5,448,713	(98,115)	-1.80%	1,007,753	1,043,685	(35,931)	-3.44%
Large	4,043,227	3,856,835	186,392	4.83%	768,942	744,166	24,776	3.33%
Public St. Lites	1,709,767	1,926,111	(216,344)	-11.23%	341,373	373,397	(32,024)	-8.58%
Sub-total	**12,023,927**	**12,074,459**	**(50,532)**	**-0.42%**	**2,288,282**	**2,315,389**	**(27,107)**	**-1.17%**
Total-Civilian	**59,460,316**	**58,906,693**	**553,623**	**0.94%**	**10,998,711**	**11,083,424**	**(84,713)**	**-0.76%**
USN	8,015,843	7,786,778	229,066	2.94%	1,522,793	1,370,332	152,461	11.13%
Grand Total	**67,476,159**	**66,693,471**	**782,688**	**1.17%**	**12,521,504**	**12,453,756**	**67,748**	**0.54%**
% of Total Revenues								
Oil Revenues								
Residential	26,125,866	18,290,060	7,835,806	42.84%	6,061,473	4,109,577	1,951,896	47.50%
Small General-Non-Demand	4,302,989	3,106,773	1,196,216	38.50%	1,015,340	739,715	275,624	37.26%
Small General-Demand	9,695,613	7,036,976	2,658,637	37.78%	2,282,708	1,568,643	714,066	45.52%
Large	16,034,429	11,718,179	4,316,250	36.83%	3,551,586	2,518,772	1,032,814	41.00%
Independent Power Producers	32,925	39,538	(6,613)	-16.72%	4,118	6,894	(2,775)	-40.26%
Private St. Lites	20,827	18,838	1,989	10.56%	4,773	3,396	1,377	40.55%
Sub-total	**56,212,649**	**40,210,364**	**16,002,285**	**39.80%**	**12,919,999**	**8,946,997**	**3,973,002**	**44.41%**
Government								
Small_Non Demand	756,682	496,316	260,366	52.46%	164,912	104,694	60,217	57.52%
Small-Demand	4,918,037	3,623,778	1,294,259	35.72%	1,086,466	775,544	310,923	40.09%
Large	3,894,080	2,754,892	1,139,187	41.35%	859,355	587,292	272,063	46.32%
Public St. Lites	439,463	371,290	68,173	18.36%	98,622	74,324	24,298	32.69%
Sub-total	**10,008,262**	**7,246,277**	**2,761,985**	**38.12%**	**2,209,355**	**1,541,855**	**667,501**	**43.29%**
Total-Civilian	**66,220,911**	**47,456,640**	**18,764,271**	**39.54%**	**15,129,354**	**10,488,852**	**4,640,503**	**44.24%**
USN	14,921,323	12,307,177	2,614,146	21.24%	2,633,181	2,262,351	370,830	16.39%
Grand Total	**81,142,234**	**59,763,817**	**21,378,416**	**35.77%**	**17,762,536**	**12,751,203**	**5,011,333**	**39.30%**
% of Total Revenues								
Grand Total								
Residential	46,040,029	37,617,654	8,422,375	22.39%	9,633,432	7,648,484	1,984,948	25.95%
Small General-Non-Demand	8,958,947	7,761,068	1,197,879	15.43%	1,869,658	1,650,380	219,278	13.29%
Small General-Demand	18,947,946	16,345,334	2,602,612	15.92%	4,006,949	3,310,305	696,645	21.04%
Large	29,511,932	25,098,043	4,413,889	17.59%	6,086,686	5,066,026	1,020,660	20.15%
Independent Power Producers	63,044	88,881	(25,837)	-29.07%	7,969	15,045	(7,076)	-47.03%
Private St. Lites	127,140	131,618	(4,478)	-3.40%	25,733	24,793	940	3.79%
Sub-total	**103,649,038**	**87,042,598**	**16,606,440**	**19.08%**	**21,630,428**	**17,715,032**	**3,915,395**	**22.10%**
Government								
Small_Non Demand	1,677,018	1,339,117	337,901	25.23%	335,126	258,835	76,290	29.47%
Small-Demand	10,268,634	9,072,491	1,196,143	13.18%	2,094,220	1,819,228	274,992	15.12%
Large	7,937,307	6,611,727	1,325,580	20.05%	1,628,297	1,331,459	296,839	22.29%
Public St. Lites	2,149,230	2,297,401	(148,171)	-6.45%	439,995	447,721	(7,726)	-1.73%
Sub-total	**22,032,189**	**19,320,736**	**2,711,453**	**14.03%**	**4,497,638**	**3,857,244**	**640,394**	**16.60%**
Total-Civilian	**125,681,227**	**106,363,333**	**19,317,893**	**18.16%**	**26,128,065**	**21,572,276**	**4,555,790**	**21.12%**
USN	22,937,166	20,093,955	2,843,211	14.15%	4,155,974	3,632,683	523,292	14.41%
Grand Total	**148,618,393**	**126,457,288**	**22,161,105**	**17.52%**	**30,284,040**	**25,204,958**	**5,079,081**	**20.15%**


GPA - T and D Losses (MWH) Without Renewables and Aggreko
For the Last 7 Years thru 02.28.18 -Moving 12 Months
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
7.02%
7.26%
6.31%
5.20%
4.88%
5.44%
5.67%
5.68%
113,279
117,269
103,049
85,295
79,267
78,281
83,949
83,969
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
T and D Losses (MWH)
T and D Losses (% to Net Generation)


GPA - T and D Losses (MWH) With Renewables
For the Last 8 Years thru 02.28.18 -Moving 12 Months
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
7.02%
7.26%
6.31%
5.20%
4.88%
4.73%
4.95%
4.92%
113,279
117,269
103,049
85,295
79,267
78,281
83,949
83,969
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
T and D Losses (MWH)
T and D Losses (% to Net Gen.)


GPA - Station Usage(MWH) Without Renewables and Aggreko
For the Last 7 Years Thru 02.28.18-Moving 12 Months
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
5.66%
5.71%
5.05%
4.86%
4.87%
4.32%
4.26%
4.20%
96,872
97,739
86,765
83,701
83,060
64,952
65,895
64,831
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
Station Use (MWH)
% to Gross Generation


GPA - Station Usage(MWH) With Renewables
For the Last 8 Years Thru 02.28.18 -Moving 12 Months
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
5.66%
5.71%
5.05%
4.86%
4.87%
3.77%
3.74%
3.66%
96,872
97,739
86,765
83,701
83,060
64,952
65,895
64,831
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
Station Use (MWH)
% to Gross Generation


GPA A/R AGING REPORT FEBRUARY 2018
$9,000,000
$8,000,000
$7,000,000
$6,000,000
$5,000,000
$4,000,000
$3,000,000
$2,000,000
$1,000,000
$-
$(1,000,000)
$7,745,642
$1,381,752
$3,370,683
$6,398,110
21,336
$8,530
($963)
$380,223
$2,111,058
$2,238,122
$440,062
Residential
Commercial G
Commercial J
Commercial P
Private St Lights
IPP
Suspense
Government S
Government K
Government L
Government St Lights
OVER 120 DAYS
91-120 DAYS
61-90 DAYS
0-30 DAYS

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
BILLING UP TO 03/31/2018 and Payment Applied as of 04/15/2018

Current (03/18 Billing due 02/28/18
30 days Arrears (02/18 due 03/15/18)
60 days and over Arrears (01/18 billing due 02/15/18)

CC&B ACCT NUMBER	DEPARTMENT	BALANCE 2/28/2018	CANCEL/REBILL/ SPEC CHARGE 4/15/2018	BILLING 3/31/2018	PAYMENT 4/15/2018	BALANCE 3/31/2018	
	Line Agencies						
0237100000	Dept. of Corrections	$ 74,013.72	$ -	$ 78,962.97	$ (74,013.72)	$ 78,962.97	
0437100000	Dept. of Parks & Rec.	$ 19,166.30	$ -	$ 17,595.10	$ (19,166.30)	$ 17,595.10	
0537100000	Guam Fire Department	$ 16,887.02	$ -	$ 16,345.53	$ (16,887.02)	$ 16,345.53	
6995000000	DOA Supply Mgmt	$ 1,376.68	$ -	$ 1,490.30	$ (1,376.68)	$ 1,490.30	
7895000000	Dept. of Administration	$ 3,552.40	$ -	$ 3,616.58	$ (3,552.40)	$ 3,616.58	
1337100000	Nieves Flores Library	$ 9,247.73	$ -	$ 9,753.22	$ (9,247.73)	$ 9,753.22	
2206200000	General Services Agency	$ 254.89	$ -	$ 262.27	$ (254.89)	$ 262.27	
2237100000	DOA-Data Processing	$ 6,934.32	$ -	$ 7,940.77	$ (6,934.32)	$ 7,940.77	
2337100000	Dept. of PH&SS	$ 66,797.10	$ -	$ 68,993.14	$ (66,797.10)	$ 68,993.14	
3237100000	Dept. of Education	$ 1,074,401.09	$ 347.78	$ 1,010,787.37	$ (1,041,983.55)	$ 1,043,552.69	1
3337100000	Guam Police Department	$ 34,988.99	$ -	$ 36,200.15	$ (34,988.99)	$ 36,200.15	
3569100000	Dept of Youth Affairs (Federal)	$ 929.63	$ -	$ 963.21	$ (929.63)	$ 963.21	
4437100000	Dept. of Youth Affair* (Local)	$ 13,333.73	$ -	$ 11,309.39	$ (13,333.73)	$ 11,309.39	
4737100000	Guam Environmental Protect	$ 6,193.37	$ -	$ 6,421.34	$ (6,193.37)	$ 6,421.34	
5437100000	Mental Health/Subst.	$ 41,201.04	$ -	$ 40,358.46	$ (41,201.04)	$ 40,358.46	
7200300000	Veteran Affairs	$ 970.37	$ -	$ 839.65	$ (970.37)	$ 839.65	
7437100000	Civil Defense (Military Affairs)	$ 17,890.73	$ 184.04	$ 11,727.35	$ (17,890.73)	$ 11,911.39	
7463300000	Pacific Energy Resource Center	$ 573.83	$ -	$ 657.22	$ (573.83)	$ 657.22	
8137100000	Dept. of Agriculture	$ 9,515.40	$ -	$ 10,125.19	$ (9,515.40)	$ 10,125.19	
8337100000	DPW-FAC Adm Account	$ 25,607.47	$ -	$ 23,551.99	$ (25,607.47)	$ 23,551.99	
8437100000	Guam Visitors Bureau	$ 4,081.59	$ -	$ 4,304.05	$ (4,081.59)	$ 4,304.05	
8446300000	Yona Senior Citizen Center	$ 726.59	$ -	$ 831.98	$ (726.59)	$ 831.98	
9437100000	Dept of Chamorro Affairs/Chamorro Village	$ 4,164.11	$ -	$ 4,243.90	$ (4,164.11)	$ 4,243.90	
5247210000	Mayors Council	$ 2,370.08	$ -	$ 2,486.43	$ (2,370.08)	$ 2,486.43	
6293410000	Office of the Governor	$ 22,244.87	$ -	$ 21,948.85	$ (22,244.87)	$ 21,948.85	
8555858369	Dept of Chamorro Affairs (Guam Museum)	$ 20,430.51	$ -	$ 21,387.60	$ (20,430.51)	$ 21,387.60	
	Sub Total	**$ 1,477,853.56**	**$ 531.82**	**$ 1,413,104.01**	**$ (1,445,436.02)**	**$ 1,446,053.37**	
	MAYORS						
0637100000	Santa Rita Mayor	$ 3,525.04	$ -	$ 3,634.62	$ (3,525.04)	$ 3,634.62	
0737100000	Ordot/Chalan Pago Mayor	$ 1,304.75	$ -	$ 1,794.43	$ (1,304.75)	$ 1,794.43	
1537100000	Hagatna Mayor	$ 1,448.19	$ -	$ 1,509.34	$ (1,448.19)	$ 1,509.34	
1637100000	Piti Mayor	$ 1,290.36	$ -	$ 1,299.62	$ (1,290.36)	$ 1,299.62	
1737100000	Mongmong/Toto/Maite Mayor	$ 933.03	$ -	$ 1,016.33	$ (933.03)	$ 1,016.33	
2637100000	Asan/Maina/Adelup Mayor	$ 882.82	$ -	$ 907.71	$ (882.82)	$ 907.71	
2737100000	Sinajana Mayor	$ 4,260.06	$ -	$ 4,624.88	$ (4,260.06)	$ 4,624.88	
3637100000	Dededo Mayor	$ 5,356.14	$ 94.82	$ 5,958.88	$ (5,356.14)	$ 6,053.70	
4637100000	Yigo Mayor	$ 4,841.17	$ -	$ 3,898.60	$ (4,841.17)	$ 3,898.60	
5637100000	Umatac Mayor	$ 1,500.39	$ -	$ 1,741.55	$ (1,500.39)	$ 1,741.55	
6537100000	Agana Hts. Mayor	$ 5,016.42	$ -	$ 5,343.60	$ (5,016.42)	$ 5,343.60	
6637100000	Merizo Mayor	$ 1,319.06	$ 2.98	$ 969.85	$ (1,319.06)	$ 972.83	
6737100000	Barrigada Mayors Office	$ 2,123.40	$ 0.03	$ 2,165.34	$ (2,123.40)	$ 2,165.37	
7537100000	Agat Mayor	$ 2,027.09	$ -	$ 2,112.30	$ (2,027.09)	$ 2,112.30	
7637100000	Inarajan Mayor	$ 1,841.09	$ -	$ 1,694.72	$ (1,841.09)	$ 1,694.72	
8537100000	Tamuning Mayor	$ 5,642.81	$ -	$ 5,757.46	$ (5,642.81)	$ 5,757.46	
8637100000	Talofofo Mayor	$ 2,016.29	$ 200.00	$ 1,704.08	$ (2,016.29)	$ 1,904.08	
9537100000	Mangilao Mayor	$ 4,712.37	$ -	$ 4,845.57	$ (4,712.37)	$ 4,845.57	
9637100000	Yona Mayor	$ 796.33	$ -	$ 742.66	$ (796.33)	$ 742.66	
	Sub Total	**$ 50,836.81**	**$ 297.83**	**$ 51,721.54**	**$ (50,836.81)**	**$ 52,019.37**	
	DPW ACCOUNTS						
4337100000	DPW-Village St. Lights	$ 342,727.64	$ (100.00)	$ 339,423.00	$ (342,727.64)	$ 339,323.00	
5337100000	DPW- Primary St. Lights	$ 82,004.31	$ -	$ 84,801.41	$ (82,004.31)	$ 84,801.41	
6337100000	DPW-Sec/Coll St. Lights	$ 25,093.41	$ -	$ 25,914.58	$ (25,093.41)	$ 25,914.58	
7337100000	DPW-Signal Lights	$ 10,085.41	$ -	$ 10,511.81	$ (10,085.41)	$ 10,511.81	
	Sub Total	**$ 459,910.77**	**$ (100.00)**	**$ 460,650.80**	**$ (459,910.77)**	**$ 460,550.80**	
	(B) AUTONOMOUS/PUBLIC CORP						
1437100000	Retirement Fund	$ 4,211.38	$ -	$ 4,540.90	$ (4,211.38)	$ 4,540.90	
1915500000	Guam Housing Corp Rental Division	$ 2,441.89	$ 73.48	$ 1,552.42	$ (1,887.88)	$ 2,179.91	
2437100000	University of Guam	$ 176,891.24	$ -	$ 185,927.98	$ (362,819.22)	$ -	
4237100000	Guam Airport Authority	$ 497,480.46		$ 523,858.31	$ (497,480.46)	$ 523,858.31	
5357510000	University of Guam (NET METERED)	$ 78,204.73	$ -	$ 81,823.87	$ (160,028.60)	$ -	
6237100000	G H U R A	$ 12,094.57	$ (77.96)	$ 24,930.45	$ (24,124.76)	$ 12,822.30	
6437100000	Guam Community College	$ 52,905.35	$ -	$ 53,872.27	$ (52,905.35)	$ 53,872.27	
7237100000	Guam Memorial Hospital	$ 331,234.37	$ 3,757.73	$ 167,526.26	$ (169,796.23)	$ 332,722.13	1
9137100000	Port Authority of Guam	$ 98,003.59	$ 84.31	$ 94,885.53	$ (98,003.59)	$ 94,969.84	
9157510000	Guam Community College (NET METERED)	$ 37,819.66	$ -	$ 38,490.54	$ (37,819.66)	$ 38,490.54	
9173210000	Guam Solid Waste Authority	$ 5,416.44	$ -	$ 5,752.47	$ (5,416.44)	$ 5,752.47	
9337100000	Guam Waterworks Authority	$ 1,193,468.74	$ 865.60	$ 1,274,249.38	$ (1,193,468.74)	$ 1,275,114.98	
8237100000	GPA	$ -			$ -	$ -	
	Sub Total	**$ 2,490,172.42**	**$ 4,703.16**	**$ 2,457,410.38**	**$ (2,607,962.31)**	**$ 2,344,323.65**	
	(C) OTHERS						
0337100000	Guam Legislature	$ 161.22	$ -	$ 100.79	$ (161.22)	$ 100.79	
9503154359	Guam Legislature (NET METER)	$ 5,843.44		$ 5,924.79	$ (11,768.23)	$ -	
1237100000	Superior Court of Guam	$ 73,066.04	$ -	$ 72,583.33	$ (73,066.04)	$ 72,583.33	
2537100000	Agana (Guam) Post Office	$ 5,682.61	$ -	$ 5,790.49	$ (11,473.10)	$ -	
2570200000	Customs & Quarantine Agency	$ 802.96	$ -	$ 935.66	$ (802.96)	$ 935.66	
3537100000	U.S. Post Office	$ 40,963.29	$ -	$ 43,722.50	$ (84,685.79)	$ -	
5537100000	Dept. of Military Affairs	$ 66,998.12	$ -	$ 73,447.37	$ (66,998.12)	$ 73,447.37	
3209463043	Dept. of Military Affairs	$ 13,440.75		$ 15,675.05	$ (13,440.75)	$ 15,675.05	
5737100000	KGTF	$ 6,205.43	$ 8.59	$ 6,634.33	$ (5,060.43)	$ 7,787.92	
7281000000	Tamuning Post Office	$ 4,766.81	$ -	$ 4,596.59	$ (9,363.40)	$ -	
	Sub Total	**$ 217,930.67**	**$ 8.59**	**$ 229,410.90**	**$ (276,820.04)**	**$ 170,530.12**	
	GRAND TOTAL	**$ 4,696,704.23**	**$ 5,441.40**	**$ 4,612,297.63**	**$ (4,840,965.95)**	**$ 4,473,477.31**	