

Speaker's Office <speaker@guamlegislature.org>

MC: CCU Meeting of April 25, 2019 as per PL 31-233.

1 message

Speaker's Office <speaker@guamlegislature.org>
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05-06-19	11:32 AM	04-25-19	CCU meeting of April 25, 2019 per P.L. 31-233.*	Guam Consolidated Commission o





Sinsenru yan Minagåhet,

Office of the Speaker • Tina Rose Muña Barnes
Committee on Public Accountability, Human Resources & the Guam Buildup

35th Guam Legislature
I Mina'trentai Singko na Liheslaturan Guåhan

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35 GL-19-0486
Speaker Tina Rose Muña Barnes

MAY 0 6 2019
Time 11:32 (X)AM ( )PM
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Gumai pribilehu yan konfedensia este siha na mensåhi. Solo espesiåtmente para hágu ma entensioña pat ma aturisa para unrisibi. Sen prubidu kumu ti un ma aturisa para manribisa, na'setbe, pat mandespåtcha. Yangi numa'huyong gi as speaker@guamlegislature.org yan despues destrosa todu siha I kopian mensåhi. Si Yu'os ma'åse'.

8 attachments

- **CCU 4.25.19.pdf** 7662K
- **Resolution 2019-05 Increase of GPAs Renewable Standard Portfolio (002).pdf** 566K
- **Resolution 22-FY2019 Relative to Fund Increase Agat-StaRita WW Treatment Plant Construction Project.pdf** 606K
- **Minutes February 26, 2019.pdf** 7287K
- **Resolution 23-FY2019 Change Order 8 Agat_StaRita WWTP Upgrade ConstrMgmt Contract.pdf** 649K
- **Resolution 27-FY2019 Revised GWA Drug_Alcohol Free Workplace Policy.pdf** 607K
- **Resolution 21-FY2019 Relative to Guam Pacific Enterprise Contract Renewal and JMI Edison Additional Purchases.pdf** 4346K
- **Resolution 26-FY2019 Approval Change Order 2 Asan Springs Water Supply Facilities.pdf** 2613K

2019 MAY -6 PM 3:30

0486

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

Regular Board Meeting

CCU Conference Room, Gloria B. Nelson Public Service Building

5:30 p.m., April 25, 2019

AGENDA

1. CALL TO ORDER

2. APPROVAL OF MINUTES

3. COMMUNICATIONS
   - 3.1 Public Comments (2 min. per person)

4. GPA
   - 4.1 New Business
   - 4.1.1 GM Report
   - 4.1.2 Financials
   - 4.1.3 Resolution 2019-05 Relative to Increase of Renewable Portfolio Standard to 50% by 2035

5. GWA
   - 5.1 New Business
   - 5.1.1 GM Report
   - 5.1.2 Financials
   - 5.1.3 Resolution No. 21-FY2019 Relative to Contract Renewal with Guam Pacific Enterprise and JMI Edison for the Additional Purchases of Submersible Cables, Temperature Sensors and Two (2) HP Booster Pump Motors
   - 5.1.4 Resolution No. 22-FY2019 Relative to Fund Increase for the Agat-Santa Rita Wastewater Treatment Plant Construction Project
   - 5.1.5 Resolution No. 23-FY2019 Relative to Change Order No. 8 for the Agat-Santa Rita Wastewater Treatment Plant Upgrade Construction Management Contract
   - 5.1.6 Resolution No. 26-FY2019 Relative to Change Order No. 2 for Asan Springs Rehabilitation Design Project
   - 5.1.7 Resolution No. 27-FY2019Relative to the Re-evaluation and Implementation of the Revised GPWA Drug and Alcohol-Free Workplace Policy

6. ANNOUNCEMENTS
   - 6.1 Next CCU Meetings: GWA WS - May 21; GPA WS – MAY 23; CCU MTG – MAY 28

7. ADJOURNMENT

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

Regular Board Meeting
CCU Conference Room, Gloria B. Nelson Public Service Building
5:30 p.m., February 26, 2019

MINUTES

1. CALL TO ORDER

The Chairman called the CCU regular meeting of February 26, 2019 to order at 5:30 p.m. He said four (4) Commissioners were present; Comm. Sanchez was absent and excused. Others in attendance include:

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer

Executive Mgmt.:

Miguel Bordallo	GM / GWA
John Cruz	AGMET / GPA
Tricee Limtiaco	GM (A) / GPA
Chris Budasi	AGMA / GWA
John Kim	CFO / GPA
Gilda Mafnas	CFO (A) / GPA
Graham Botha	Staff Attorney / GPA

Management & Staff:

Paul Kemp	AGM Compliance & Safety / GWA
Ron Topasna	O&M Mgr, Water Treatment / GWA
Vincent Pangelinan	O&M Manager, Water Distribution / GWA
Vangie Lujan	Compliance & Safety / GWA
Lisa San Agustin	Utilities Services Administrator / GWA
Patti Diego	Communications / GPA
Zina Charfauros	Personnel Admin. / GWA HR
Joyce Sayama	Mgmt. Analyst / GPA Ex. Office
Lou Sablan	Board Secretary / CCU

Guest:

Juan Muna	AM Insurance
David Martin	AM Insurance

2. APPROVAL OF MINUTES

The Minutes of January 22, 2019 was presented for approval.

Comm. Guthertz motioned to approve the Minutes subject to verification and written correction; Comm. Santos seconded. There was no further discussion or objection and the motion passed.

3. COMMUNICATIONS

3.1 **Public Comments** – None

4. GPA

4.1 **New Business**

4.1.1 **GM Report**

1. **Generation System:** The following summarizes the generation forecast for March 2019:
   Projected Available Capacity: 335 MW
   Projected Demand: 235 MW
   Anticipated Reserve Margin: 100 MW
   - MEC 9 scheduled for overhaul Feb. 20th to March 5th.
   - Demand expected to be lower than March 2018 (244MW)

2. **Demand Side Management (DSM)** - DSM Program reduces a customer's consumption without impacting their quality of life. Additionally, peak demand and LEAC cost are reduced for all customers. GPA needs to add funding to DSM because the current funding of $2.9M is nearly exhausted.

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19 thru 1/31/19*	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$14,397.99	$74,124.62
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$3,025.00	$233,831.05
Bank Fees	$ 155.00	$ 1,032.06	$ 1,085.08	$ 80.00	$2,352.14
Paid Rebates-Split AC	$ 154,700.00	$ 557,275.00	$1,247,000.00	$ 318,900.00	$2,277,875.00
Paid Rebates- Central AC	$ 3,400.00	$ 8,200.00	$ 4,400.00	$	$16,000.00
Paid Rebates- Washer/Dryer	$ 2,800.00	$ 7,425.00	$ 48,800.00	$ 27,000.00	$86,025.00
Total Expenses	$200,682.30	$681,738.11	$1,444,384.41	$363,402.99	$2,690,207.81

Workforce Retirement Eligibility Summary:

Sections:------->	Finance	Customer Service	Engineering	SPORD	T&D	Generations	Others	Totals
Retirement Plans:								
Employee Count	40	34	31	9	108	127	98	447
Eligible at 30 years Service								
DB 30 Plus Years of Service	3	1	2	1	5	8	3	23
DB 25 Plus Years of Service	7	5	6	2	19	29	13	81
Sub-Total:	10	6	8	3	24	35	16	102
Eligible at 62 Years of Age								
DB1.75 60 Plus Age Group	2	3	2	0	1	20	5	33
DB1.75 55-59 Age Group	7	2	2	1	7	14	11	44
Sub-Total:	9	5	4	1	8	34	16	77
Eligible at 55 Years of Age								
DC 50 Plus Age Group	4	4	2	0	9	15	13	47
DC 45 Plus Age Group	2	2	0	4	9	12		29
Sub-Total:	6	6	2	4	18	27	13	76
Grand Total	25	17	14	8	50	96	45	255
% Eligible for Retirement within 10 years	62.5%	50.0%	45.2%	88.9%	46.3%	75.6%	45.9%	57.0%

Eligible Retirement Breakdown:	Count	%
DB Plan	102	40.0%
DB1.75	77	30.2%
DC	76	29.8%
Totals:	255	

7. **GPUC Dockets:** The petition for changes to the Net Metering Credit is currently under review. GPA has had conferences calls with and has responded to request for information by the PUC consultant.

8. **New Power Plant**: The deadline for receipt of technical proposals has been extended to March 21, 2019. Price proposals for approved proposals are due by April 29th. Price opening is now targeted for May 20, 2019.

9. **Saipan Yutu Recovery Assistance:** Saipan is now substantially recovered. GPA is now able to bring home employees and equipment. All employees will be back by this Saturday, February 23rd. A wrap-up presentation summarizing our efforts is attached. We will like to thank CNMI Governor Torres, Lt. Governor Palacios, CNMI Senate and Legislature, Mayors, CUC Board, CUC Executive Director Gary Camacho, employees of CUC and the Community of the Northern Marianas Islands for their hospitality and acknowledgement of the excellent efforts of the GPA teams. Our GPA teams worked tirelessly over the past four months assisting our brothers and sisters of the Marianas recover from the devastation of Yutu.

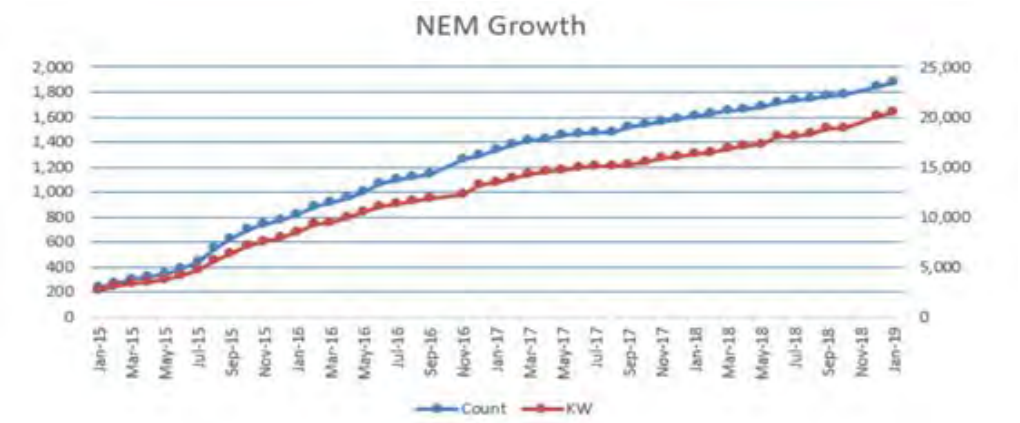
   We thank our GPA employees and their families for their hard work, dedication and sacrifices and our ratepayers for their patience and understanding for any inconveniences during the recovery period as we assisted in Saipan's recovery.

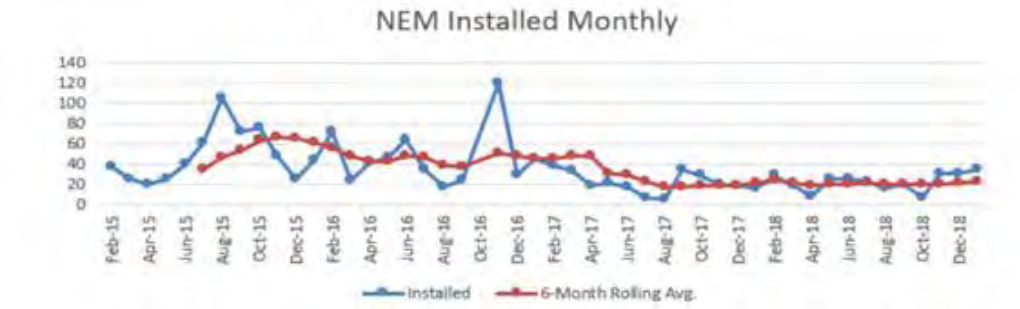
10. **Net Metering (NEM) Credit Adjustment**: CCU approved GPA filing a petition to the PUC to consider changes to the existing net metering credit. GPA filed with PUC for adjustment of net metering credits from retail to avoided cost with a Grandfather phase-out approach over 5 years to the GPA avoided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

Net Metering Summary Ending January 2019:

Description:	Count	Kw
Active	**1,875**	**20,415**
Pending	19	241
Totals:	1,894	20,656

Service:	Count	KW	Kw/Customer
Residential	1,774	16,077	9.1
Others	101	4,338	43.0
Total:	1,875	20,415	10.9
% Residential	**94.6%**	**78.8%**	
Estimated 12 Months Revenue Impact:	**$3,248,217**		



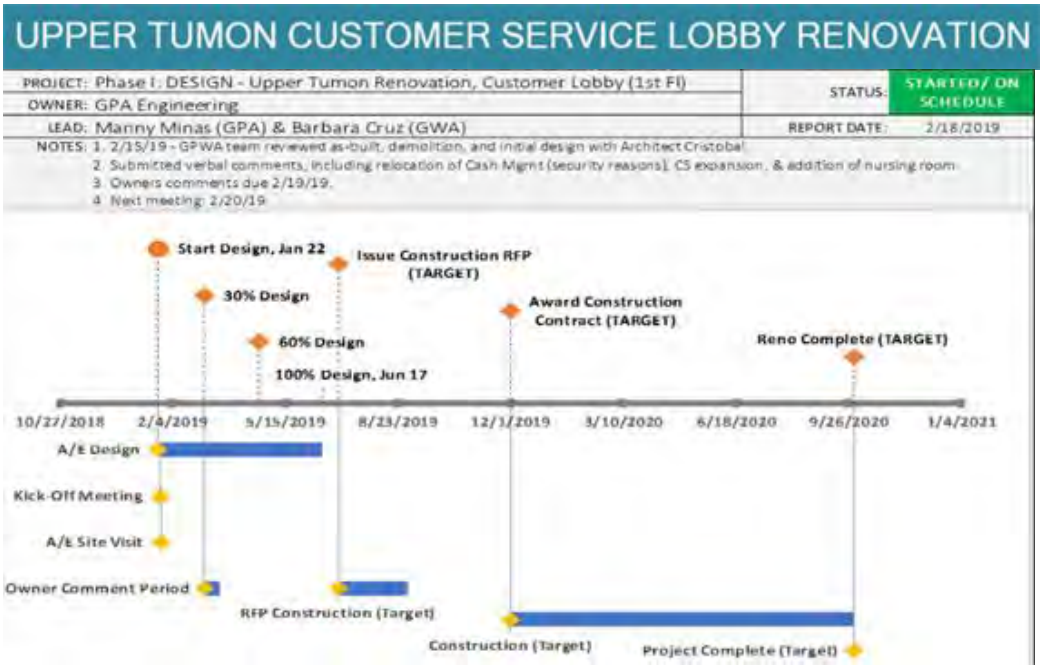


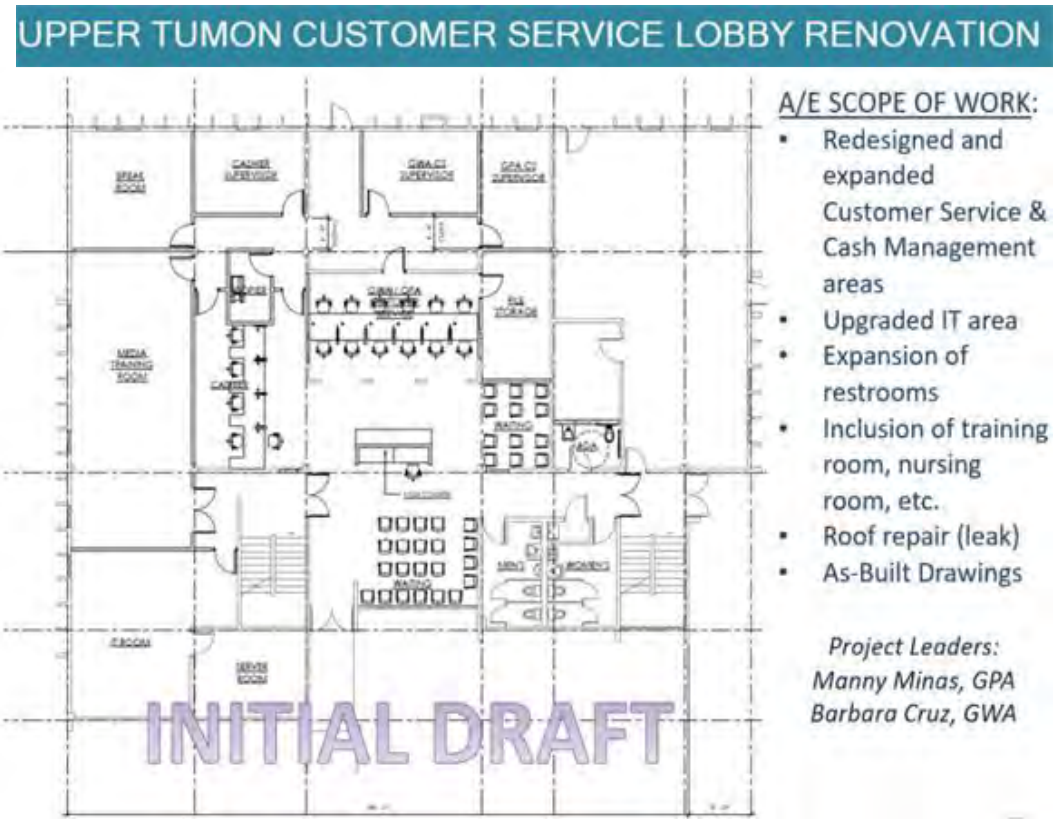
11. **Briefings:** A briefing on GPA was conducted for Speaker Tina Muna Barnes on Wednesday, January 30, 2019. The briefing for the Governor and Lt. Governor has been scheduled for March 15th . A briefing to the Legislative Oversight Chairman, Senator Clynt Ridgell is being scheduled with the Senator's office.

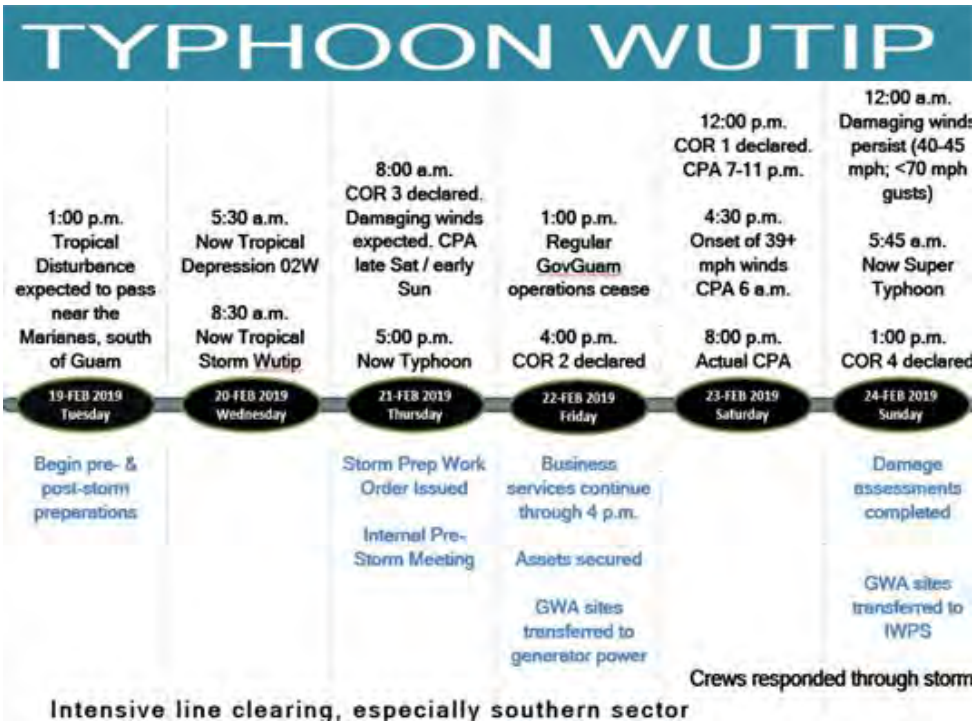
12. **GPWA Tumon Office Renovation:** The notice to proceed for design services has been issued to Architect Andy Cristobal with a completion date of July 30, 2019. We plan to budget for the renovation in FY2020 so that it could be completed by next year. The Tumon GPWA Customer Service Center has the most customer traffic of all our service centers. The following two slides consist of the preliminary schedule and the initial layout of the center.

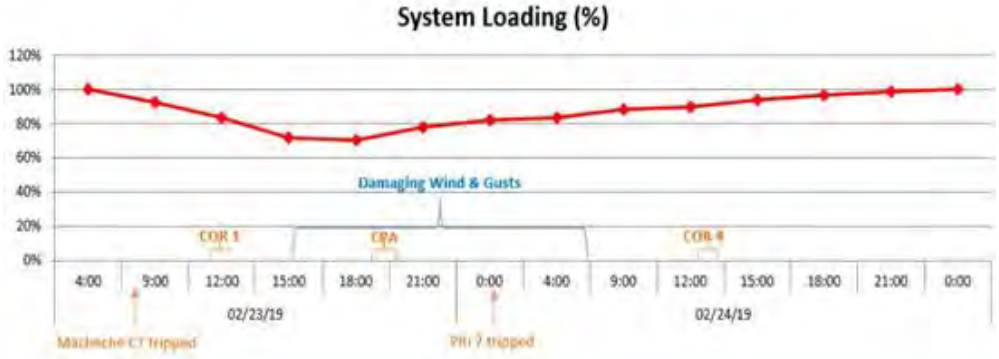
    The Disaster Recovery Center (DRO) is not included within this scope of work. The team is rethinking the location which may instead be best to place at the Dededo T&D compound. The team has determined that there isn't adequate space in Tumon. We would have to build a new building to accommodate DRO and a SCADA remote site. We plan to engage an engineering firm to design the project this fiscal year.

13. **GPA's Vendor Outreach:** GPA Procurement will hold its **First Annual Vendor Fair** to expand prospective vendor and supplier awareness of GPA's potential business opportunities and procurement process, and allow GPA to expand its prospective vendor/supplier listing. This event will promote transparency and accountability. The Vendor Fair will be held on Thursday & Friday, March 21 & 22 from 9 am to 4 pm at the Procurement Multi-Purpose Room.


UPPER TUMON CUSTOMER SERVICE LOBBY RENOVATION
PROJECT: Phase I: DESIGN - Upper Tumon Renovation, Customer Lobby (1st Fl)
STATUS: STARTED/ ON SCHEDULE
OWNER: GPA Engineering
LEAD: Manny Minas (GPA) & Barbara Cruz (GWA)
REPORT DATE: 2/18/2019
NOTES: 1. 2/15/19 - GPWA team reviewed as-built, demolition, and initial design with Architect Cristobal
2. Submitted verbal comments, including relocation of Cash Mgmt (security reasons), CS expansion, & addition of nursing room
3. Owners comments due 2/19/19.
4. Next meeting: 2/20/19
Start Design, Jan 22
Issue Construction RFP (TARGET)
30% Design
Award Construction Contract (TARGET)
60% Design
Reno Complete (TARGET)
100% Design, Jun 17
10/27/2018
2/4/2019
5/15/2019
8/23/2019
12/1/2019
3/10/2020
6/18/2020
9/26/2020
1/4/2021
A/E Design
Kick-Off Meeting
A/E Site Visit
Owner Comment Period
RFP Construction (Target)
Construction (Target)
Project Complete (Target)

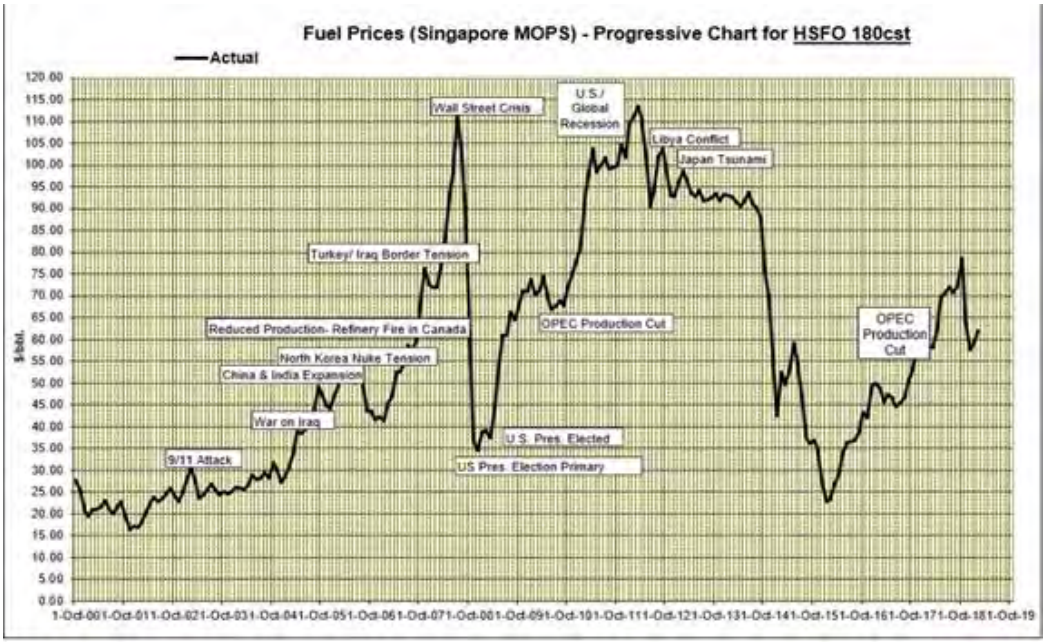

UPPER TUMON CUSTOMER SERVICE LOBBY RENOVATION
A/E SCOPE OF WORK:
Redesigned and expanded Customer Service & Cash Management areas
Upgraded IT area
Expansion of restrooms
Inclusion of training room, nursing room, etc.
Roof repair (leak)
As-Built Drawings
Project Leaders:
Manny Minas, GPA
Barbara Cruz, GWA
INITIAL DRAFT

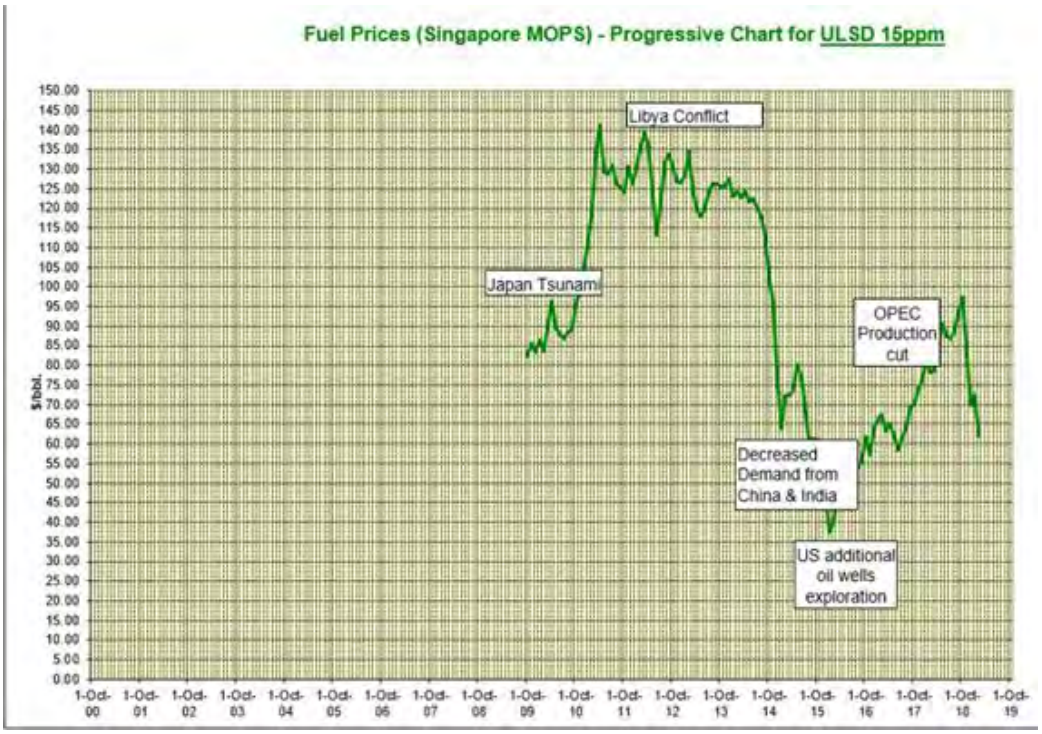


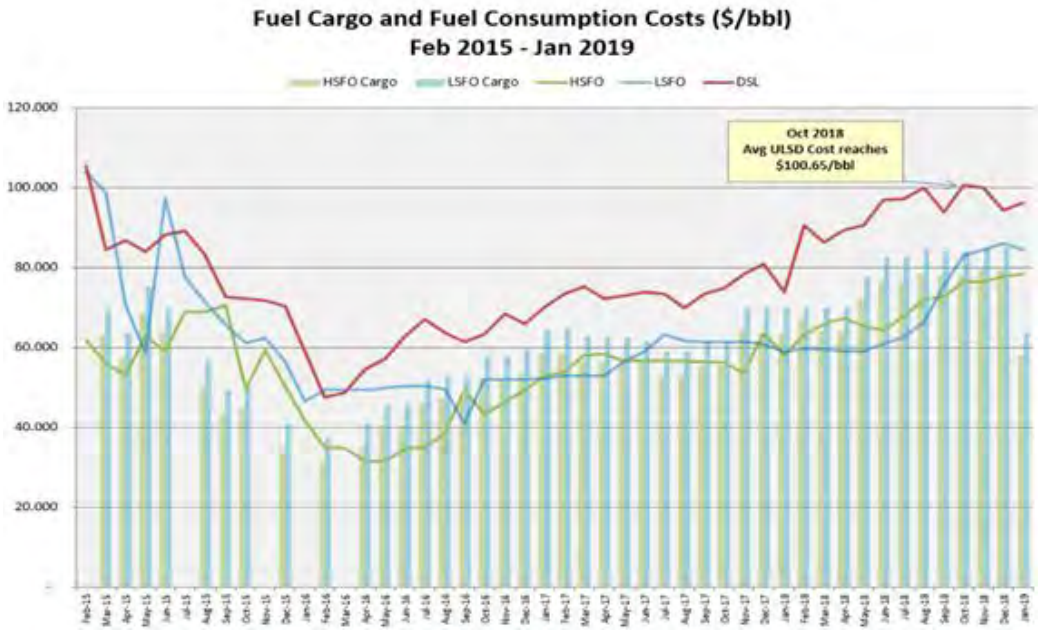


Station Summary

	N	C	S	TOTAL	Wutip Rentals	WSD Portable	Generator Avail	Generator UNAVAIL	Prestorm Availability
Booster Pumps	5	6	19	30		1	16	14	53%
Waterwells	71	34	0	105	4		102	3	97%
Wastewater	19	30	31	80	2	4	73	7	91%
Portable	4			4			4	0	100%
Laboratory	1			1			1	0	100%
TOTAL	**100**	**70**	**50**	**220**	**6**	**5**	**196**	**24**	**89%**


Fuel Prices (Singapore MOPS) - Progressive Chart for HSFO 180cst
Actual
$/bbl.
Wall Street Crisis
U.S./ Global Recession
Libya Conflict
Japan Tsunami
Turkey/ Iraq Border Tension
Reduced Production- Refinery Fire in Canada
OPEC Production Cut
OPEC Production Cut
North Korea Nuke Tension
China & India Expansion
War on Iraq
U.S. Pres. Elected
9/11 Attack
US Pres. Election Primary


Fuel Prices (Singapore MOPS) - Progressive Chart for ULSD 15ppm
$/bbl.
Libya Conflict
Japan Tsunami
OPEC Production cut
Decreased Demand from China & India
US additional oil wells exploration



GPA YUTU SUPPORT

Man Power

Total Personnel: 64

- T&D Manager
- T&D Assistant Manger
- 26 Linemen
- 10 Operators
- 10 Engineers
- 04 Substation Electricians
- 02 Relay Technician
- 02 Generation Mechanics
- 02 Generation Electricians
- 04 Heavy Equipment Mechanics
- 02 Safety Officers

Equipment

- 6 Bucket Trucks
- 2 Vans
- 1 Light Cart
- 1 Flatbed
- 3 Utility Trucks

Materials

- 439 Power Poles
- 350,000 LF of Primary & Secondary Wire
- 92 Transformers
- 1,020 Crossarms
- Insulators, Connectors, Clamps, Nuts, Bolts

STATUS OF RECOVERY

POLES

Down and Damaged = 1,772

Installed = 1,374

FEEDERS

Total = 9

Energized = 9

METERS (since 1/8/19)

Damaged = 2,700

Energized = 988

GENERATION

Available = 59.4 MW

Recoverable = 33.0 MW

Gross Demand = 27.5 MW

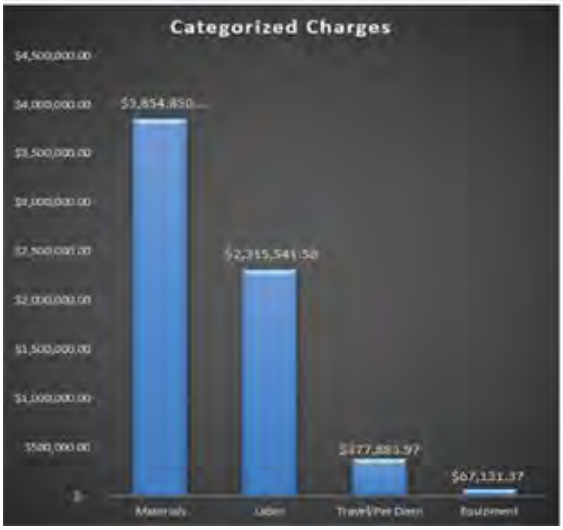
TRANSFORMERS ASSESSED (since 1/8/19)

Total Qty. = 295

Failed = 115

Passed = 180

INVOICE SUMMARY



Materials	$ 3,854,850.51
Labor	$ 1,839,922.16
Travel/Per Diem	$ 177,499.97
Equipment	$ 67,131.37
Estimated Labor	$ 475,619.42
Estimated Travel/Per Diem	$ 200,384.00
Total	**$ 6,615,407.43**
Payments	$(4,010,480.58)
	$ 2,604,926.85

- GPA has made a significant contribution to Saipan recovery efforts.
- The GPA Saipan team continues to work hard and has contributed to the restoration of critical services and businesses.
- The team on Guam at T&D, Generation, Engineering, Transportation, & Safety have had to multi-task and pick up extra duties to ensure continuity of services on Guam.
- GPA Executive Management has continuously worked in coordination with the CUC to ensure smooth operations.
- The 2nd wave demobilized on February 17th and began preparation for return.
- All personnel will be home by February 23rd.
- GPA will continue to invoice CUC for labor, equipment, materials, and expenses.

Acting GM Limtiaco updated the GM Report with summary of recovery for Typhoon Wutip. Crews focused on massive vegetation clean up far in advance. She said the system tripped because of sensitivity to outside disturbances which GPA is trying to address. The Chairman mentioned that GPA also helped out DOC and Public Health their generators and acting GM confirmed that with DPHSS was addressed a couple of weeks in advance; DOC secured a rental because their existing generator was in need of an alternator but GPA helped hook up a 2nd brand new generator that has never been used.

Comm. Santos updated re issue with respect to GMH, he said that he met with the current administrator and shared that GPA is still willing to assist with repair / upgrade of electrical panels that has been ongoing with their electrical panel issue. At a meeting with the Governor and GMH Administrator GM Benavente clarified the scope to allow GPA to access every panel on every floor to see exactly what needs to be done. He further updated that GRMC went off line due to intense fluctuation and had to utilize their own generating system. Comm. Santos wants to find out why GPA fluctuates that causes them to go off line. Comm. Limtiaco asked about relationship with other government agencies like GMH, DPHSS, DOC and how does GPA recoup the cost related to assisting them. The Chairman gave background / summary to update that GPA gets paid for services rendered to other government agencies. Acting GM Limtiaco mentions that there is an interagency work order in place. The Chairman commended GPA staff for their efforts during this last storm. Acting GM shared cost of customers complaint about overgrowth of mango trees and vegetation. Trees fall over into the lines and GPA continues to mitigate these types of issues which is dangerous to humans and the grid.

4.1.2 **Financials**

This was not discussed.

4.1.3 Resolution 2019-03 Demand Side Management (DSM) Funding

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

- The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.

- DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.

- Like renewable energy, a major rationale behind DSM is predicated on the avoidance of fuel costs and the need for capacity additions. Furthermore, unlike renewable energy without energy storage, DSM provides reductions to future power system capacity expansion costs.

- The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs under the LEAC; and therefore may use this precedent to treat DSM Program Expenses in a similar fashion.

- Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.

Asst.GM for Engineering & Technical Services John Cruz shared that initial DSM funding negotiations were handled by SPORD and ALJ Horecky of PUC. The current DSM program is basically for residential customers only. A total of $2.3M has been spent to date - $200k the 1st year, $700K the 2nd year and $1.4M the 3rd year. This type of spending cannot come from base rates and capping the program is not recommended at this time. The commercial side of this program has not been implemented yet because it may double the funds needed to support the program. There has been discussions with the ALJ to use LEAC as a mechanism to source for this program and he neither agreed nor disagreed and recommended to wait until the current funding source is exhausted so this discussion has been already been brought up before. He said this resolution gives GPA authorization to petition the PUC to allow DSM funding from LEAC in the future.

Comm. Limtiaco said relative to the GM Report reference he DSM Summary he asked management to define contractual fees – AGM Cruz said it is advertising and marketing. Further he asked based on LEAC is this just cost avoidance. JC – yes for the customer and for us over the aggregation of the DSM program the need for additional generation will be impacted. DSM reduces fuel cost and eventually the need for additional

generation over the long haul; Chairman added that the DSM program will also help retire some inefficient generation units.

In summary it was mentioned that the DSM program should be pursued because it helps reduce fuel costs and with more participation it will eventually reduce the need for additional generation and hasten the retirement of older generation units that are inefficient.

Comm. Limtiaco motioned to table this resolution until the March meeting in order to understand the rationale better; Comm. Guthertz seconded.

Comm. Santos asked how much DSM funding is anticipated on a going forward basis annually. The past three years totaled about $2-3M. Comm. Limtiaco said costs have doubled between 2017-2018 is it anticipated that this will double again this year? Asst GM Cruz confirmed yes.

Comm. Duenas said as this program is formalized more, how much will this program be taking from the LEAC and what does this mean to the LEAC rate. The CFO responded that for an additional $1M DSM spending the customer has to pay $2.16 more per kilowatt hour for LEAC to subsidize the DSM program. Another consideration is how will this decision impact non DSM customers – what benefits, if any do they get.

The resolution was tabled until the March meeting.

4.1.4 GPA Resolution 2019-04 / GWA Resolution 15-FY2019 Unified Holiday Personnel Management Policy for GPA&GWA

The CCU has directed GPA and GWA ("GPWA") to review their existing policies regarding personnel management, wage obligations and official recognition of holidays set by statute and those set by executive order. GPWA management has determined that a unified policy for both utilities should be in place to set forth how the various holidays shall affect GPWA's management, employees and customers. The CCU has solicited comments from GPA & GWA General Managers, General Counsels and Assistant General Managers regarding the proposed UNIFIED HOLIDAY PERSONNEL MANAGEMENT POLICY. Management of GPA and GWA request the Consolidated Commission on Utilities to adopt the proposed UNIFIED HOLIDAY PERSONNEL MANAGEMENT POLICY.

GPWA's holidays shall follow the holiday schedule listed at **1 GCA §1000 (a)** as it may be amended from time to time and shall be posted on each agency's website at the beginning of the calendar year. In the event a non-permanent holiday is declared by Executive Order of the Governor of Guam as allowed by **1 GCA §1000 (c)**, GPWA shall recognize said declaration and observe the holiday accordingly. Although GPWA will be observing the holiday, the policy of the utilities will be to provide customer service and GPWA's General Managers shall determine each agency's business needs for holidays declared by Executive Order, and ensure that employees and ratepayers are duly notified. GPWA Management is requesting the CCU to delegate to the General

Managers the power to determine each agency's business needs on permanent and non-permanen**t Government of Guam holidays.**

The current paid holidays of the Government of Guam are:
(1) New Year's Day;
(2) Martin Luther King, Jr. Day, the third Monday in January;
(3) Guam History and Chamorro Heritage Day, the first Monday in March;
(4) Memorial Day, the last Monday in May;
(5) Independence Day, July 4th;
(6) Liberation Day, July 21st;
(7) Labor Day, the first Monday in September;
(8) All Souls' Day, November 2;
(9) Veterans' Day, November 11;
(10) Thanksgiving, the fourth Thursday in November;
(11) Our Lady of Camarin Day, December 8; and
(12) Christmas, December 25th.

Whenever a holiday listed in Subsection (a) of this Section falls on a Saturday or Sunday, the government of Guam shall follow the Federal government's practice for that holiday.

GM (A) Limtiaco said that from time to time the Governor of Guam may declare a holiday and it's been the practice of both utilities to revert back to the CCU to vote for the holiday. This resolution recognizes that we do follow the law and grant the holiday but both utilities still want to provide customer service during the holiday and to allow management to decide what their respective business needs are and to have a unified approach to that end.

Comm. Duenas said once in a while the governor declares a holiday and this resolution if passed will allow management to determine the needs of the utilities and allow for a skeleton crew to maintain operations paying holiday pay to only those that work that day. GM Bordallo said at the recent work session, there was discussion on the possibility of exchanging holiday - swapping one for another - GM Bordallo said GWA counsel's response is not favorable but his opinion is not official until he comes back from off-island.

Comm. Guthertz motioned to approve the resolution as written; second by Comm. Limtiaco. On the motion there was no further discussion or objection and the motion carried.

5. GWA

5.1 New Business

5.1.1 GM Report

GM Miguel said he had nothing to add to GM report presented at the work session. A copy of the GM report is available upon request.

5.1.2 Financials

The financials were not discussed - no change to report given at work session. A copy of the financials is available upon request.

5.1.3 Resolution 13-FY2019 Relative to New Bank Signatories for GWA

GWA maintains a variety of bank accounts, letter of credit facilities and other financial instruments and accounts at institutions including but not limited to the Bank of Guam, Bank of Hawaii, First Hawaiian Bank, Community First, Coast360, ANZ Guam, Bank Pacific. Certain employees are designated to sign checks and financial instruments including, but not limited to, letters of credit as well as for the authorization of electronic transactions on behalf of the Authority. It has been determined that recent changes in management has necessitated an update of signatories for the GWA financial instruments.

The following GWA personnel are authorized to sign financial instruments including checks, letters of credit, bank transfers and other transaction documents and to authorize other types of payments on behalf of GWA.

MIGUEL C. BORDALLO, P.E., General Manager
GILDA M. MAFNAS, Assistant Chief Financial Officer
CHRISTOPHER M. BUDASI, Assistant General Manager – Administration & Support
THOMAS F. CRUZ, P.E., Chief Engineer
SANDRA J. SANTOS, Controller

Further, transaction amounts of $10,000 or less will require a single signatory. All other transactions will require two signatories. Transaction amounts in excess of $250,000 will require the General Manager's signature or his designee. The Chairman and Secretary of the CCU are authorized to sign resolutions which are considered consistent with the authorizations granted in this resolution as may be required from time to time by specific financial institutions with which GWA conducts financial transactions. All transactions must be in accordance with delegations of contracting authority approved by the CCU and the GWA General Manager.

GM Miguel explained that for contract obligations and transfers GM historically is not required to sign these unless the CFO is absent; in past, only CFO signature is required. With question raised at the work session re GM signature being a requirement for all expenses, the resolution was revised to state that with transaction setting a $250k threshold requiring the GM's signature as one of the (2) signatures required. For transactions less than and up to $10k only a single signature is required; all other requires 2 signatures.

Comm. Guthertz asked if there is a standard accounting / auditing requirement for signatures and the response was there was none.

CFO Kim confirmed that the GPA GM signs all procurement purchases and direct payment requests. The GPA GM approves all except payroll and bond payments.

Comm. Santos asked who approves ACH for payroll – CFO Kim confirmed that the CFO or the Asst. CFO or Controller signs the ACH. The GM's signature is not required for ACH transactions.

Comm. Duenas said to CFO Kim to please bring this matter to GPA GM to see if he has any reaction / action related to the GPA side

Comm. Guthertz motioned to approve Resolution 13-FY2019; Comm. Limtiaco seconded. There was no further discussion or objection and the motion carried.

5.1.4 Resolution 14-FY2019 Authorization to Re-establish Customer Refund Account with the Bank of Guam

This resolution is to authorize management to re-establish a new Customer Refund Account, as recommended by the bank, due to recent fraudulent activities detected in the account. The account in question is with Bank of Guam. There are no incidental costs involved in this action and will take effect immediately upon adoption of this resolution.

GM Bordallo confirmed that GWA closed the account immediately upon the incident and requesting authority to open a new account. No funds were lost, the bank made GWA whole. It was mentioned that a police report was filed and that the related amount involved in the fraud was less than $1,000.

Comm. Guthertz motioned to approve Resolution 14-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion passed.

5.1.5 GWA Resolution 15-FY2019 / GPA Resolution 2019-04 Adoption and Implementation of a Unified Holiday Personnel Management Policy for GPA & GWA

This resolution was discussed at GPA portion of the agenda – reference Section 4.1.4 of these Minutes. The vote was taken for the record.

Comm. Limtiaco motioned to adopt GWA Resolution 15-FY2019; Comm. Guthertz seconded. There was no further discussion or objection and the motion carried.

5.1.6 Resolution 16-FY2019 Authorizing the Ratification of Expenditures for Security Services with G4S and for the GWA to Seek the Approval of the Public Utilities Commission to Ratify Cost Exceeding One Million Dollar

GM Bordallo said this is to ratify security services over the GM's authority. The # of guard was increased and cost went over the GM's threshold. There is an ongoing need to maintain the existing security services at several GWA facilities. In particular, GWA Upper Tumon Facility to include the main building and inside the customer service area, the laboratory, customer parking lot, warehouse and FMES areas. The contract amount is $15,356.09 (Ratification amount).and is revenue funded,

Comm. Guthertz motioned to approve Resolution 16-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion passed

1.1.7 Resolution 17-FY2019 Relative to Amendment of the Assistant General Manager of Operations Classification Standards

If approved, this resolution will authorize management to amend the Assistant General Manager of Operations job standards and salary range based on the 10th market percentile, 2017 market data; to facilitate the recruitment of the AGM position to support the Authority's daily operations of its Water and Wastewater Divisions, and construction and maintenance functions thereby providing effective and efficient delivery of safe drinking water and services to the community.

The CCU has mandated the recruitment of additional senior management support. The Authority currently employs one Assistant General Manager for Compliance & Safety and one Assistant General Manager – Administration & Support. The AGM of Operations position remains unfilled, while the operational divisions function remains under the supervision of the General Manager, affecting the efficiency and responsiveness of operations among Superintendents or Managers, who are addressing the water/wastewater needs of our community.

The Assistant General Manager of Operations will be under the direct supervision and management of the General Manager while overseeing and ensuring optimal performance of our Water and Wastewater Divisions. This position is revenue funded.

Public Law 34-131, §(e) as added and 4 GCA §6303 (d) & (2C), 5GCA, Chapter 10, Article 1 (Sunshine Law) requires GPA and GWA to post a petition on their websites for ten (10) days (not including Saturdays, Sundays and government of Guam holidays). After the 10 days posting, the petition can then be forwarded to the CCU for their disposition at any regularly scheduled meeting. GWA has met the posting requirements.

Additionally, Guam law requires notice of such posting to each newspaper of general circulation and broadcasting station, which airs regular news programs within Guam.

GM Bordallo said that a Professional Engineer (P.E.) license was a required classification and this resolution is to ask the Commission to change this and to make a PE license preferred not required. Salary is based on 10th market percentile.

There was discussed on the error in min./ max salary range and to correct maximum salary because it reads $4M. It was clarified that this error was corrected and that originals reflect the correct amount.

Comm. Guthertz motioned to approve the Resolution 17-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion carried.

5.1.8 Resolution 18-FY2019 Approval of Policy on Timing and Issuance of Back Bills

If ratified, this resolution will help to clarify areas within GWA rules and regulations which are silent about timing and issuance of back bills, and to recommend policy based on recent discussions by Commission Members about this topic. GWA Management proposes the Commission adopt the recommended policy on acceptable timeframes for

these activities. The proposed policy is based on the following activities required within the involved GWA divisions:

Customer Service (Water Meter Exchange)

1) Work order created.
2) Water meter replaced and sent to testing facility.
3) Work order information submitted to customer service for recording into customer billing system.
4) Work order and new water meter information entered and posted into customer billing system.
5) Notice of meter replacement is automatically generated and sent to customer.
6) Meter exchange process takes up to 10 working days or 2 weeks to complete.

Meter Test Facility

1) Water meter received from field team and tested.
2) Testing results transmitted to Customer Service.
3) Testing results entered and posted into Customer Billing system.
4) If testing indicates a faulty water meter, then notice is automatically generated and sent to customer's that a back-bill may be forthcoming.
5) Process takes up to 30 working days or 2.5 months to complete.

Finance (Issuing Back Bill)

For customers determined to have faulty water meters:

1) Print water meter exchange and testing documentation, review, calculate back-billing amount, submit to supervisor for sign off.
2) Notice to customer manually generated with billing adjustment details and sent to customer.
3) Billing adjustments are entered and posted into Customer Billing system.
4) Documents generated by finance scanned and shared with customer service to support future customer inquiries.
5) Process runs concurrently with water meter testing process and takes up to 70 working days or 3.5 months to complete.

The time standards affect the following departments: Customer Service (water meter exchange task force), Meter Test Facility, IT and Finance. Each department is responsible to refine its processes to ensure time standards are met for issuing back bills. The time standard will be effective upon adoption of the policy resolution. No additional funding is required for this action.

Comm. Santos moved to approve the resolution; second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

5.1.9 Resolution 19-FY2019 Approval of Funding Increase for the Baza Garden Conveyance and Pump Design

During the course of the on-going Baza Gardens Wastewater Cross-Island Pumping and Conveyance System construction project, in which the construction completion period had been extended a couple of times, the need for additional design services during

construction for responses to RFI's, as-built survey work of completed structures, archeological monitoring of excavations near Agat, and the re-design of the final surface grading at the Baza Gardens treatment plant site have emerged.

This authorization will fund the additional services as noted above and is necessary for the completion of the $30M Baza Gardens Wastewater Cross-Island Pumping and Conveyance System construction projects.

The additional funding authorization per this resolution is One Hundred Thousand Dollars ($100,000.00) which will increase the total funding for design services to a maximum of Three Million Three Hundred Fifty-Eight Thousand Nine Hundred Fourteen Dollars and Eighty Cents ($3,358,914.80). The funding for the additional services will be from Bond Funds under the line items CIP WW 09-08 and WW 11-03, Internally Funded CIP fund or SDC, as applicable. The estimated the overall project will be completed by April 2019.

Comm. Limtiaco motioned to approve Resolution 19-FY2019; second by Comm. Guthertz. There was no further discussion or objection and the motion carried.

6. ANNOUNCEMENTS

6.1 **Next CCU Meeting**

The Chairman announced that the next CCU meeting would be a GWA Work Session on March 19; a GPA Work Session on March 21 and the monthly CCU meeting on March 26.

The Chairman said that there are a couple of items to discuss in executive session and presented the required affidavit from Legal Counsel Kelly. He called for a 15-min. recess before Executive Session. The time was 6:50 p.m.

7. EXECUTIVE SESSION

7.1 **Litigation Matter –** This matter was discussed, no action taken.

7.2 **Personnel Matter** – This matter was discussed, no action taken.

Executive Session ended at 7:15 p.m.

8. ADJOURNMENT

There was no further business to bring before the Commission.

Comm. Santos motioned to adjourn the meeting; Comm. Limtiaco seconded.

It was 7:20 p.m.

\\s\\
Bls

Attested:

_____ _____

JOSEPH T. DUENAS, Chairman MICHAEL T. LIMTIACO Secretary

GPWA MEETING

Presentation To:

Consolidated Commission on Utilities

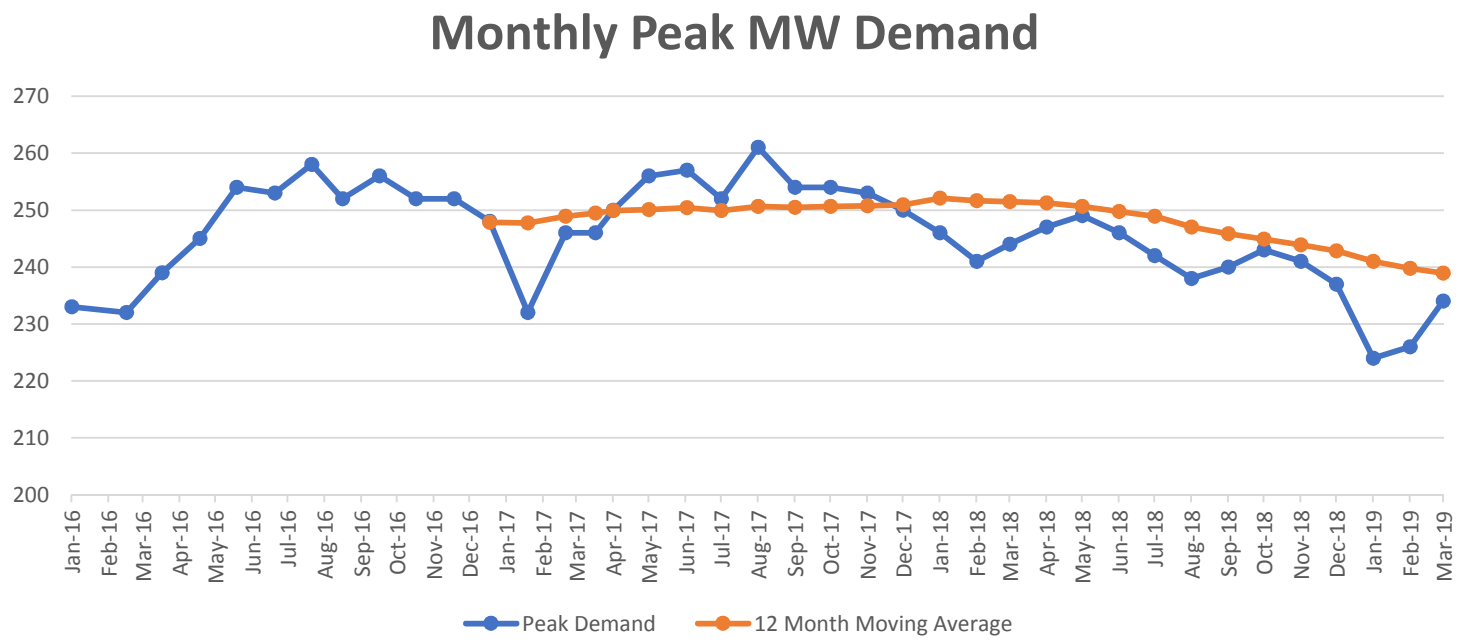
April 25, 2019

GENERAL MANAGER'S REPORT

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

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

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



Demand Side Management (DSM)

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

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19 thru 3/31/19*	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$ 23,016.33	$ 82,742.96
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$ 4,525.00	$ 235,331.05
Bank Fees	$ 155.00	$ 1,032.06	$ 1,085.08	$ 115.00	$2,387.14
Paid Rebates-Split AC	$ 154,700.00	$ 557,275.00	$1,247,000.00	$ 533,850.00	$ 2,492,825.00
Paid Rebates- Central AC	$ 3,400.00	$ 8,200.00	$ 4,400.00	$ 3,400.00	$ 19,400.00
Paid Rebates- Washer/Dryer	$ 2,800.00	$ 7,425.00	$ 48,800.00	$ 49,600.00	$ 108,625.00
Total Expenses	**$200,682.30**	**$681,738.11**	**$1,444,384.41**	**$614,506.33**	**$2,941,311.15**

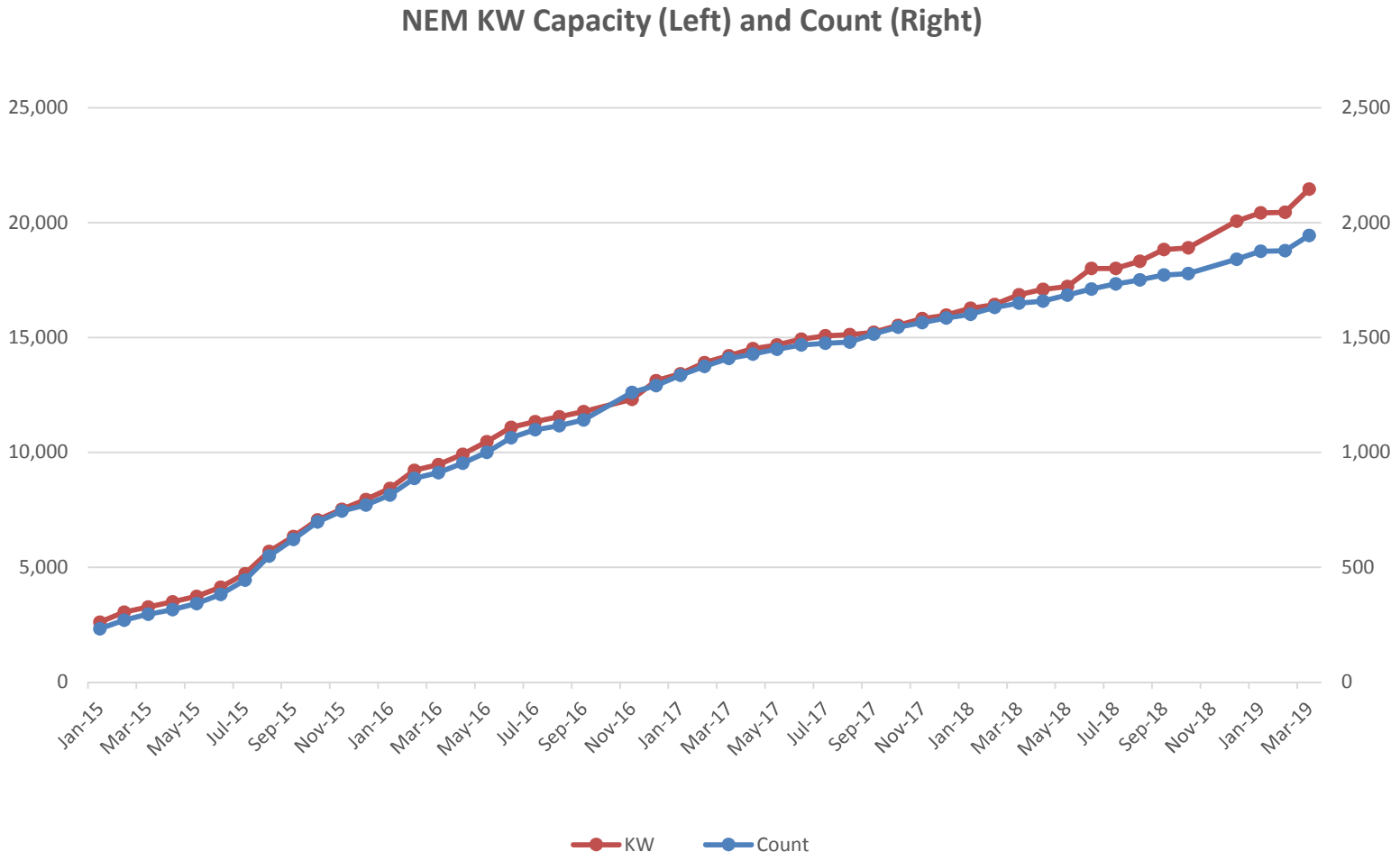
3. Net Metering (NEM) Credit Adjustment:

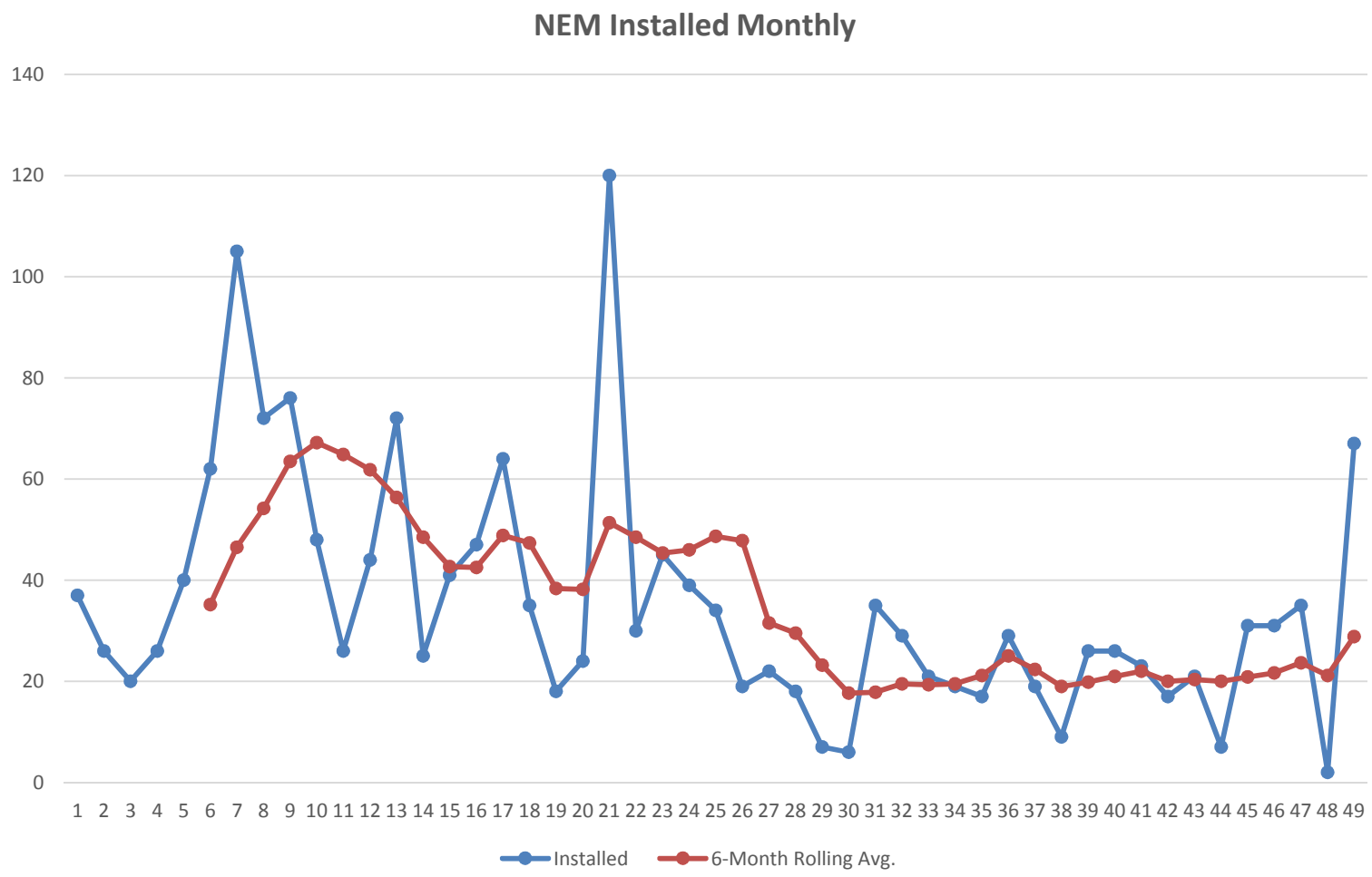
CCU approved GPA filing a petition to the PUC to consider changes to the existing net metering credit. GPA filed with PUC for adjustment of net metering credits from retail to avoided cost with a grandfather phase-out approach over 5 years to the GPA avoided cost credit. PUC engaged its consultant Daymark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

Net Metering Summary Ending March 2019:

Description:	**Count**	**Kw**
Active	**1,944**	**21,453**
Pending	1	7
Totals:	1,945	21,460

Service:	**Count**	**KW**	**Kw/Customer**
Residential	1,839	17,132	9.3
Others	105	4,321	41.2
Total:	1,944	21,453	11.0
% Residential	**94.6%**	**79.9%**	
Estimated 12 Months Revenue Impact:	**$3,407,351**		


NEM KW Capacity (Left) and Count (Right)
25,000
20,000
15,000
10,000
5,000
0
2,500
2,000
1,500
1,000
500
0
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18
Jul-18
Sep-18
Nov-18
Jan-19
Mar-19
KW
Count


NEM Installed Monthly
140
120
100
80
60
40
20
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49
Installed
6-Month Rolling Avg.

4. PUC NEM Public Hearings:

Three NEM public hearings were held by the Public Utilities Commission between March 26th to April 4th regarding GPA's petition for Modification of Current Net Metering Rider (GPA Docket No. 19-04). The GPA docket is on the agenda for the April PUC Meeting, but a decision on the petition is not expected that night.

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

GPA held its meeting on March 29th with **eight** out of the nine village Mayors participating in the meeting for vegetation management and power pole painting project. The agenda included review of the process, the nuts & bolts of the program and a hands-on use of the **See/Click/Fix app** was performed. A detail presentation of the process is provided.

6. Bill No. 70-35 (LS) & Bill No. 80-35 (COR):

Bill No. 70-35 was introduced by Senator Telo Taitague relative to creating a task force concerning used oil disposal. A public hearing on this issue was held at 1pm on April 18th.

Bill No. 80-35 was recently introduced by Senator Amanda Shelton relative to raising the Renewable Portfolio Standard (RPS) from 25% to 50% by 2035. I have included this in the issue for discussion part of the CCU meeting.

7. GPA's Budget Calls and Review Schedule:

Guam Power Authority
FY2020 Proposed Budget Call Timelines

Dates: **	Description:	April	May	June	July	August	Sept	Oct
4/15/2019	Budget Call Issuance							
4/15/19- 5/17/2019	Budget Call Training to cost centers							
5/17/19	FY2020 Budget Submission Deadline							
5/20/19 to 6/7/19	Budget Office Compliation and Review							
6/10/19 to 6/21/19	CFO budget reviews with cost centers							
6/24/19 to 6/28/19	Budget Office Compliation based on CFO review							
7/1/19 to 7/12/19	General Manager Budget Reviews							
7/15/19 to 7/26/19	Budget Office Compliation based on GM review							
7/29/19 to 8/2/19	Budget Review with Commissioner Santos (Budget Chairman)							
8/5/19 to 8/16/19	Budget Office Compliation based on Comm Santos reviews							
8/22/2019	CCU budget working sessions/reviews							
8/27/19	FY2020 CCU Budget Approval (CCU meeting)							
8/28/19 to 9/13/19	FY2020 Preparation Budget Package for Cost Centers							
9/13/2019	Submission FY2020 PUC Ceiling Cap (deadline 9/15 each year)							
9/16/19 to 9/20/19	JDE budget training							
9/23-27/2019	Preparation of FY2020 Approved budgets to PUC, Bank, Bondholders, etc. (Deadline 9/30/ each year)							
10/1/2019	Start of FY2020 !							

**Subject to change

4/10/20193:51 PM FY2020 Budget Call timeline (proposed as of 4-10-19)

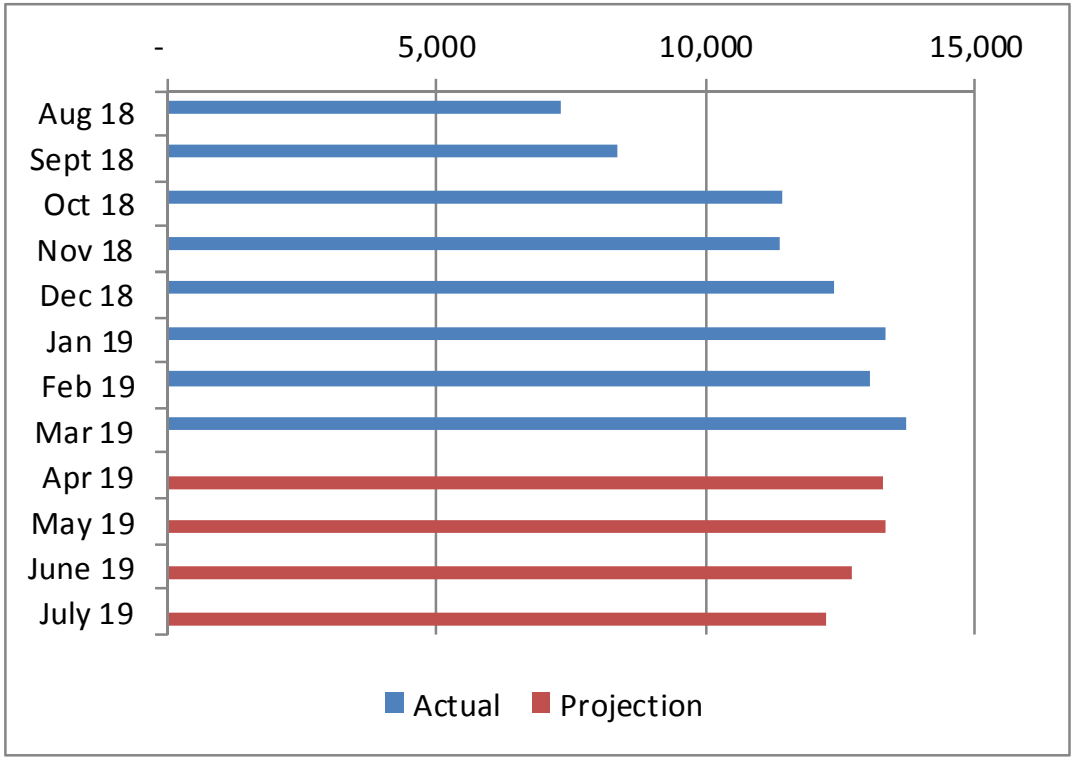
8. Update on New Power Plant Bid Opening:
   - The technical proposals for the new power plant were received on April 2, 2019 at 4pm.
   - Four Bidders out of the seven short listed bidders submitted a proposal, namely:
     - Osaka Gas Co., Ltd.
     - Powerflex LLC (c/o Wartsila Development and Financial Services)
     - Hanwha Energy Corporation
     - Korea Electric Power Corporation

   - Proposals are now undergoing technical reviews for acceptability and compliance with bid specifications

   - Bid Schedule:
     - May 13, 2019 – Notified bidders on acceptability of their proposal
     - May 31, 2019 – Deadline to receive price proposal from acceptable bidders
     - June 3, 2019 – Public bid pricing opening date is at 9am at the GPA Procurement Conference Room
     - June 19, 2019 – Complete initial evaluation of price submittals
     - September 18, 2019 - Target date to have a contract ready for approval by the CCU and PUC

9. March Data - Update on LEAC

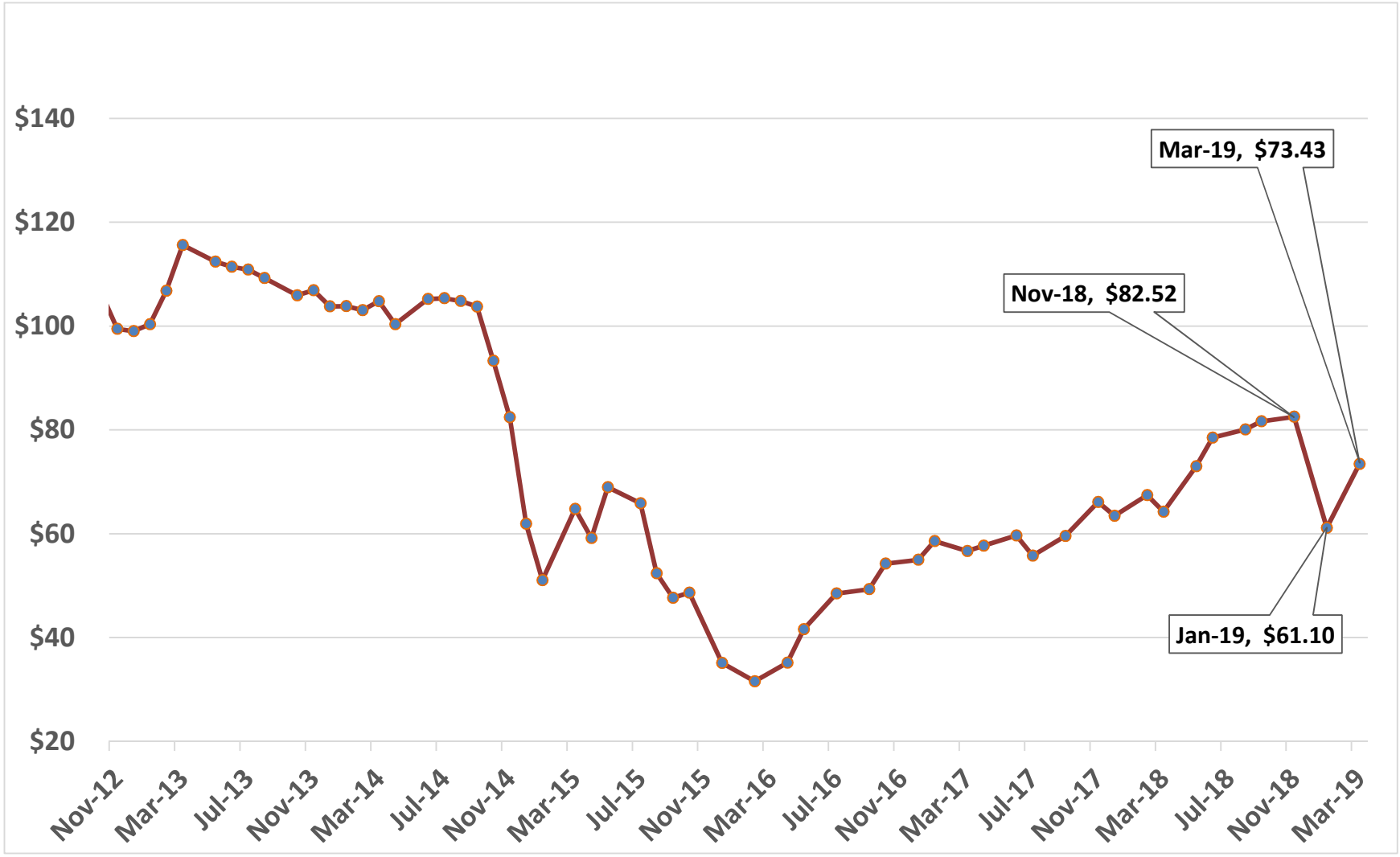
LEAC Under Recovery Balance



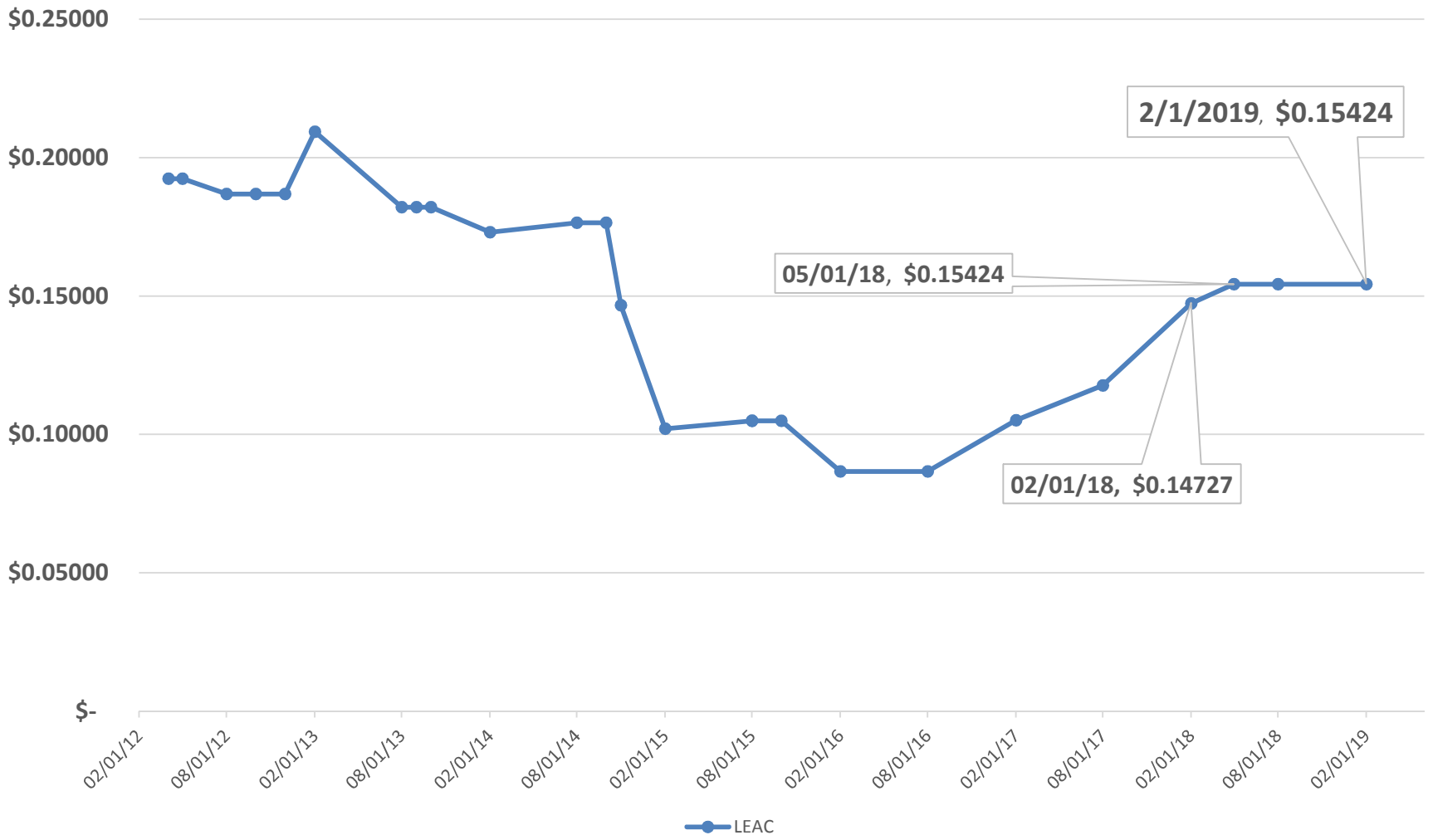
Through March 31, 2019

(Unearned)/ Under Recovered	'000 Actual	Projection [1]
Aug 18	7,313	
Sept 18	8,371	
Oct 18	11,411	
Nov 18	11,368	
Dec 18	12,375	
Jan 19	13,337	
Feb 19	13,052	
Mar 19	13,691	
Apr 19		13,270
May 19		13,323
June 19		12,709
July 19		12,227

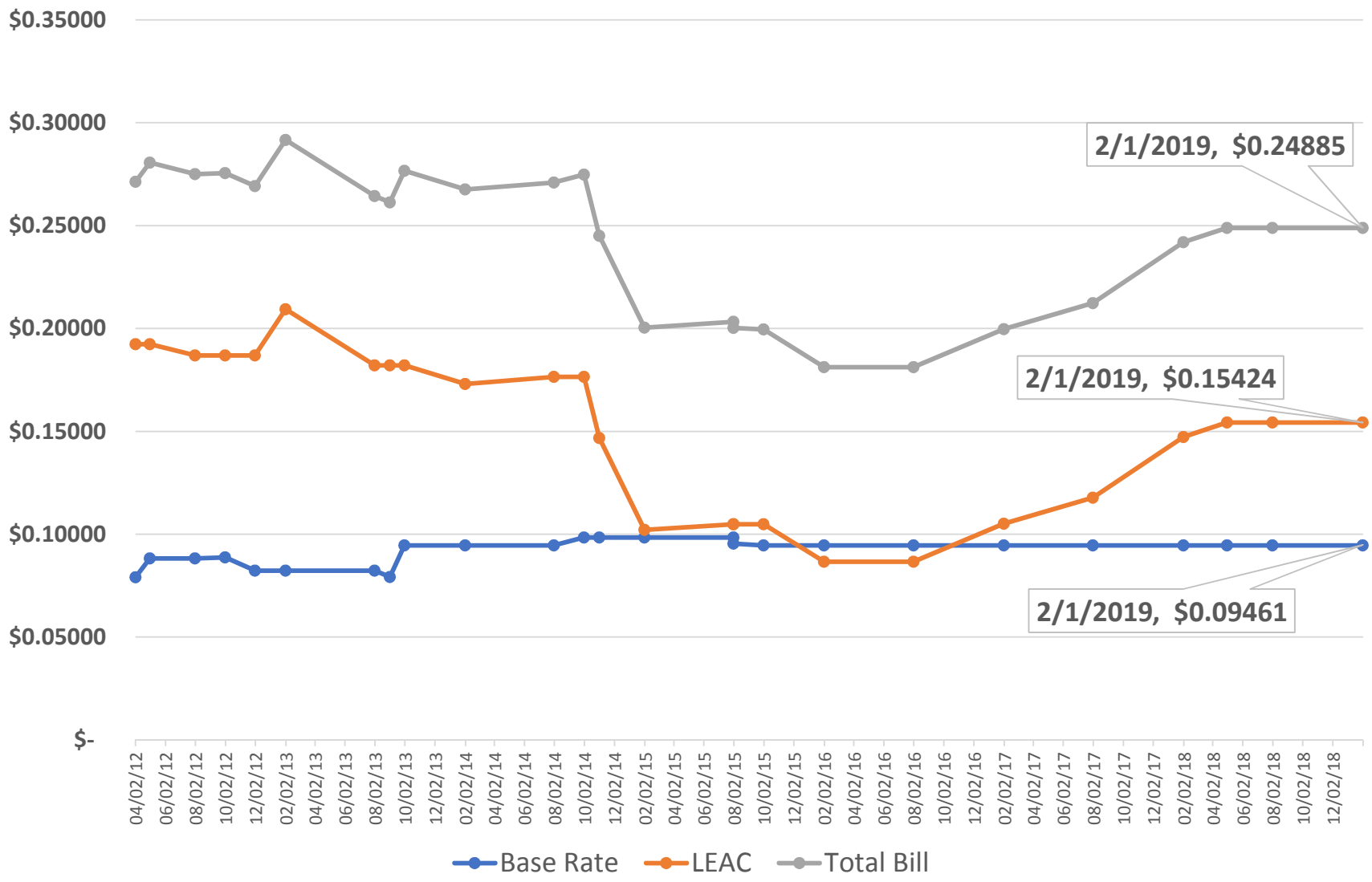
LEAC Update – GPA Fuel Purchases (Per Barrel)



Historical Residential LEAC Rate



Historical Residential Rate



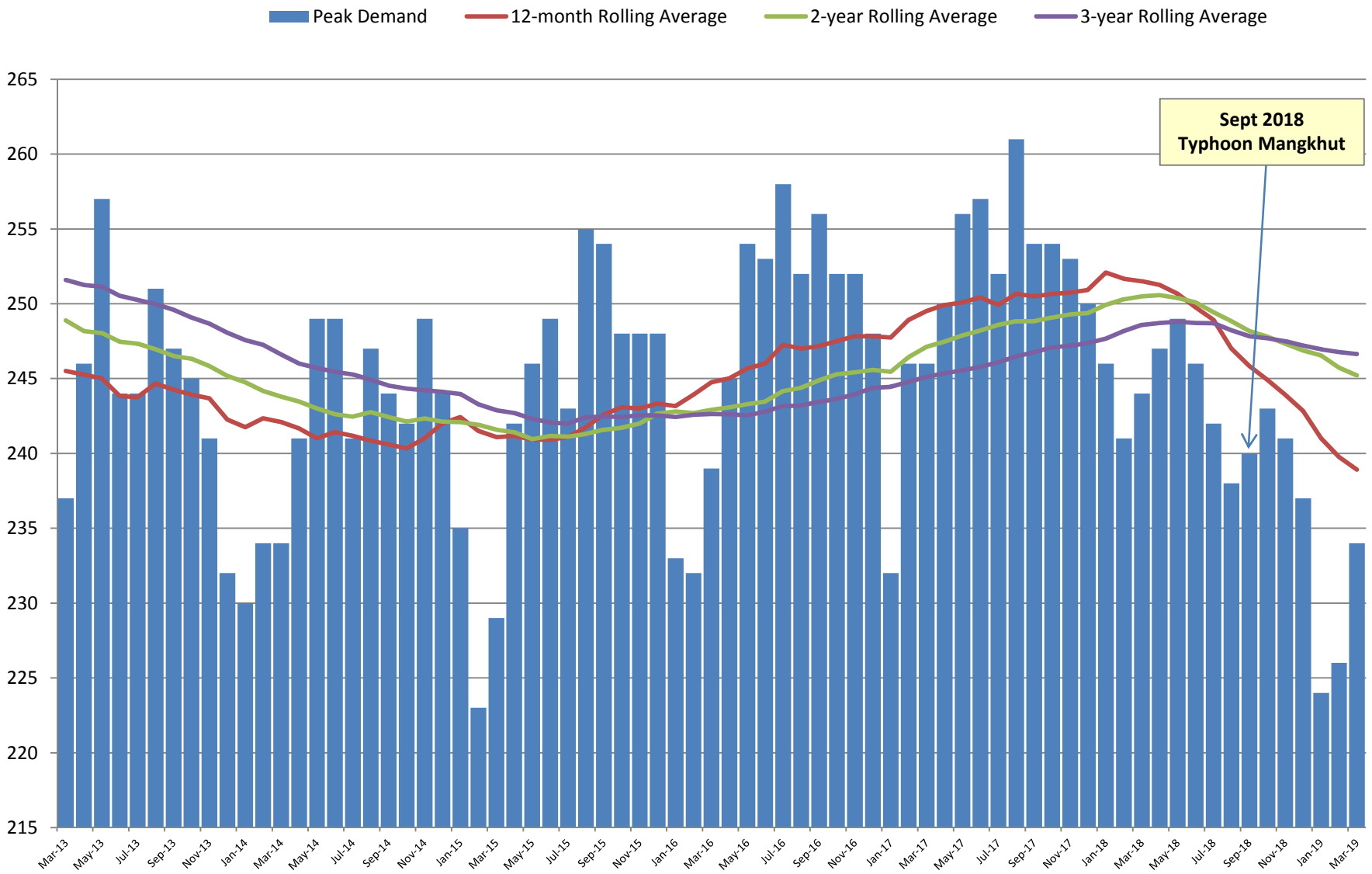
Historical LEAC Over (Under) Recovery

LEAC Period		Approved LEAC	Actual Over	
From	To	Rate	(Under) Recovery	
4/1/2012	7/31/2012	$ 0.192310	$ (3,040,418)	
8/1/2012	1/31/2013	$ 0.186834	$ (2,494,052)	
2/1/2013	7/31/2013	$ 0.209271	$ 1,345,259	
8/1/2013	10/31/2013	$ 0.182054	$ 1,300,093	
2/1/2014	7/31/2014	$ 0.172986	$ (1,137,034)	
8/1/2014	10/31/2014	$ 0.176441	$ (4,646,872)	
11/1/2014	1/31/2015	$ 0.146666	$ 661,428	
2/1/2015	7/31/2015	$ 0.102054	$ 1,757,878	
8/1/2015	1/31/2016	$ 0.104871	$ (2,467,151)	
2/1/2016	7/31/2016	$ 0.086613	$ (2,668,603)	
8/1/2016	1/31/2017	$ 0.086613	$ (9,915,360)	
			$ (5,315,360)	(a)
2/1/2017	7/31/2017	$ 0.105051	$ (14,050,504)	
8/1/2017	01/31/1018	$ 0.117718	$ (16,775,982)	
2/1/2018	4/30/2018	$ 0.147266	$ (13,005,689)	
5/1/2018	7/31/2018	$ 0.154242	$ (8,422,674)	
8/1/2018	1/31/2019	$ 0.154242	$ (13,336,698)	
2/1/2019	7/31/2019	$ 0.154242	$ (12,226,646)	Estimate

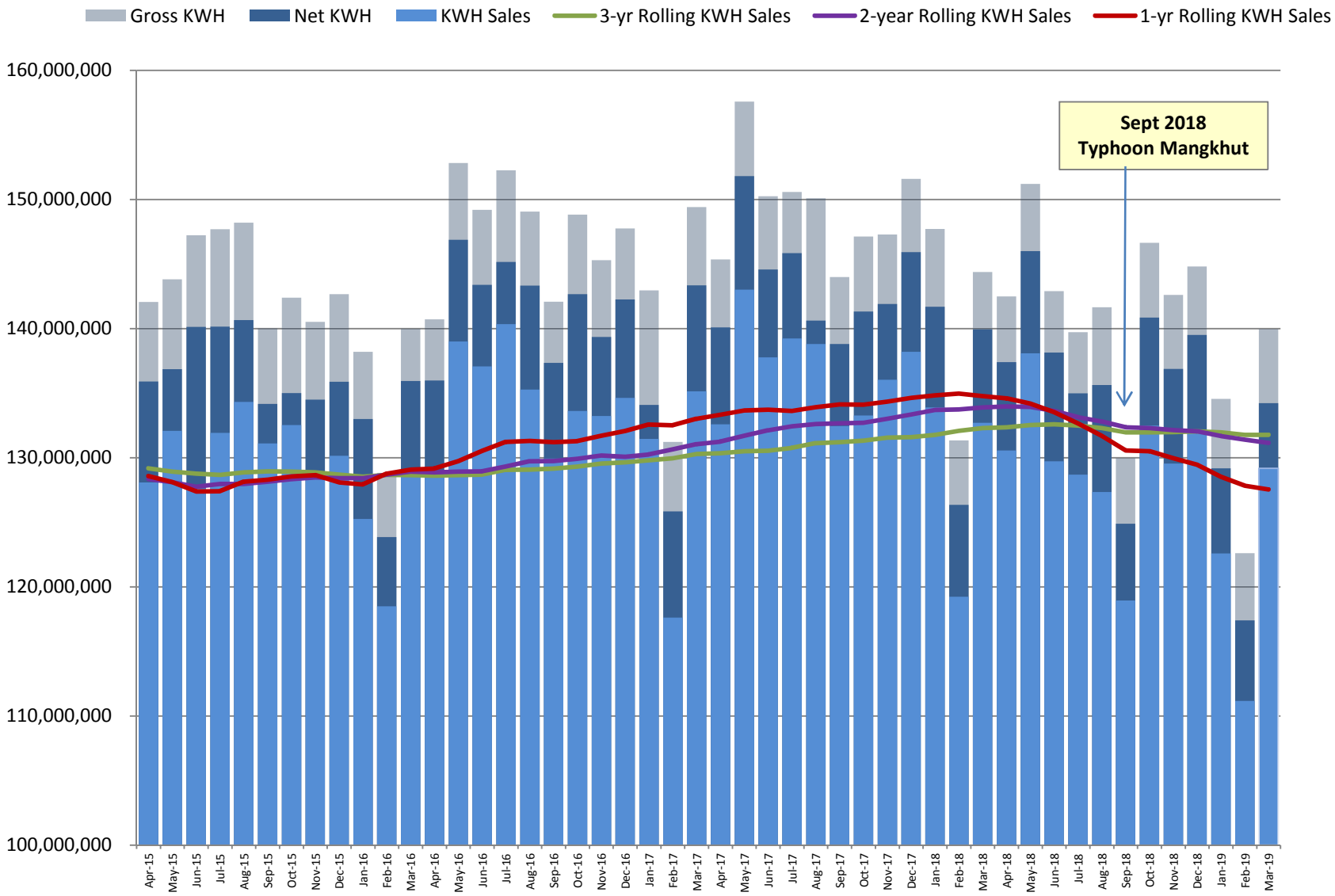
a) Under-recovery Balance after applying the $4.6 million from the Cabras 3&4 Extra Expense claim

10. Generation KPI's – March 2019

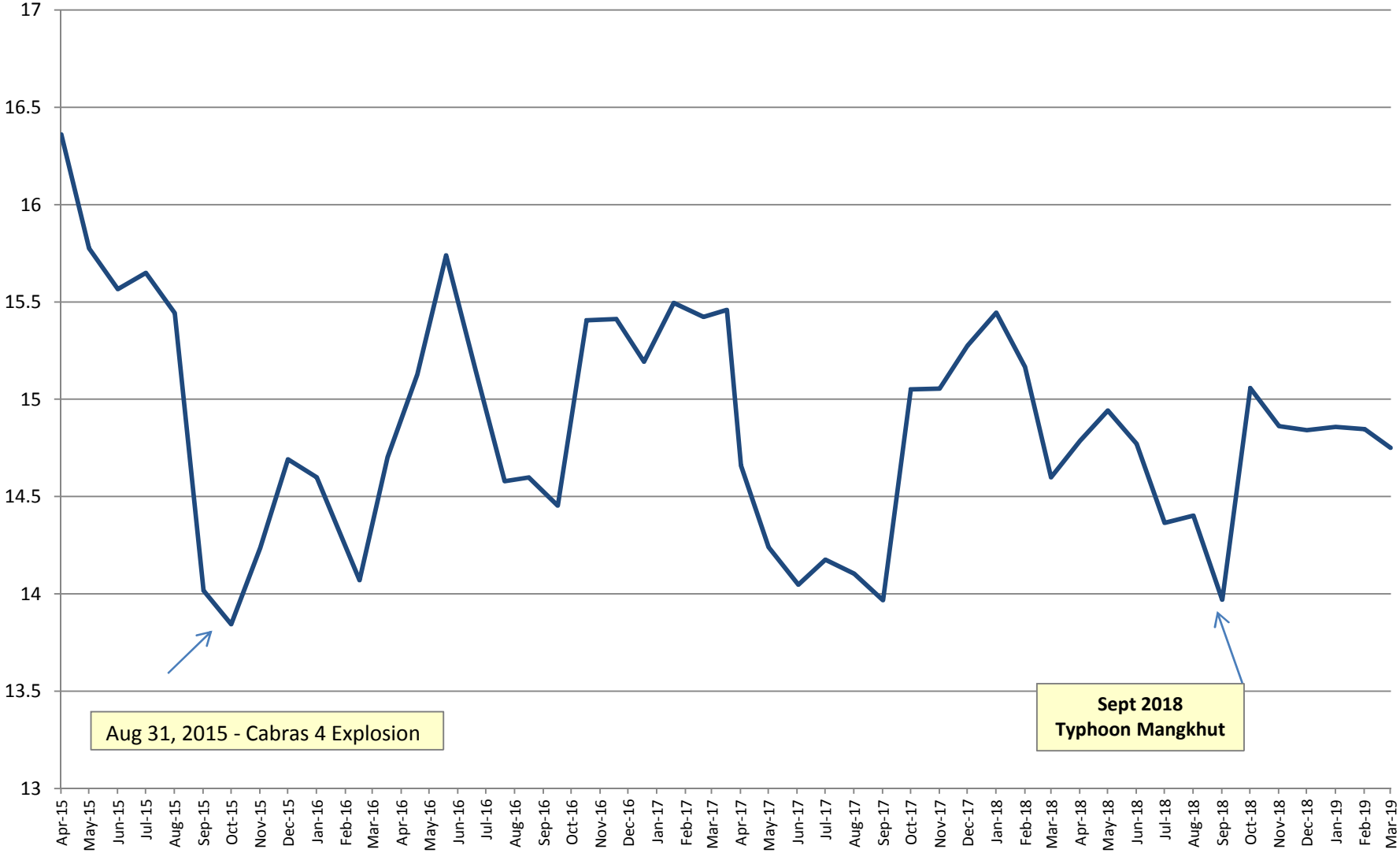
Historical Monthly Peak Demand
March 2013 - March 2019



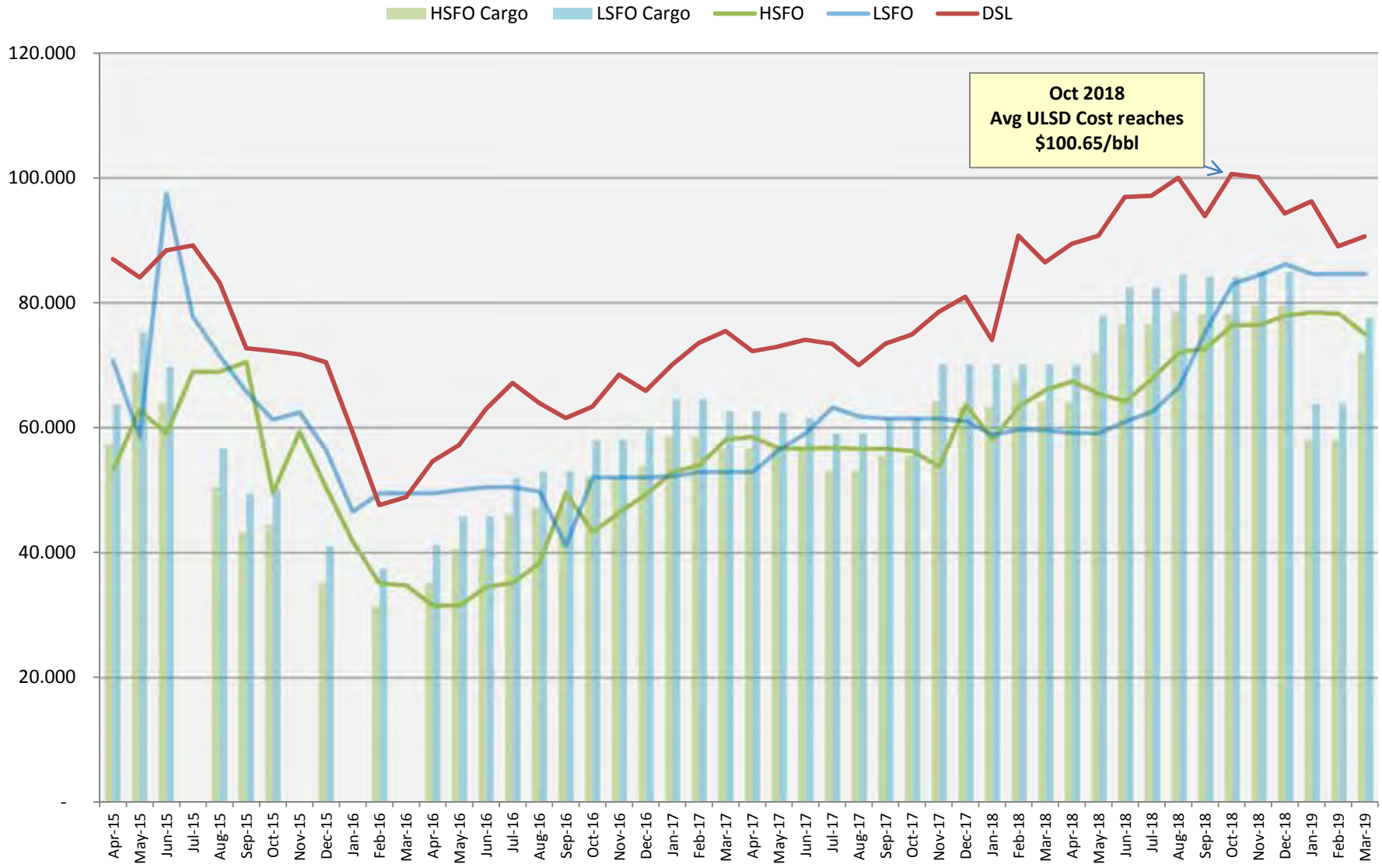
Historical KWH Sales
April 2015 - March 2019



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



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



VILLAGE MANAGEMENT PROGRAM (VMP)

Vegetation Maintenance
Power Pole Painting

March 29, 2019

Gloria B. Nelson Public Service Building

Fadian, Mangilao

PRESENTERS:

Melinda C. Mafnas - Assistant General Manager, Operations

Tricee P. Limtiaco - Assistant General Manager, Administration

AGENDA



Purpose



Process Overview

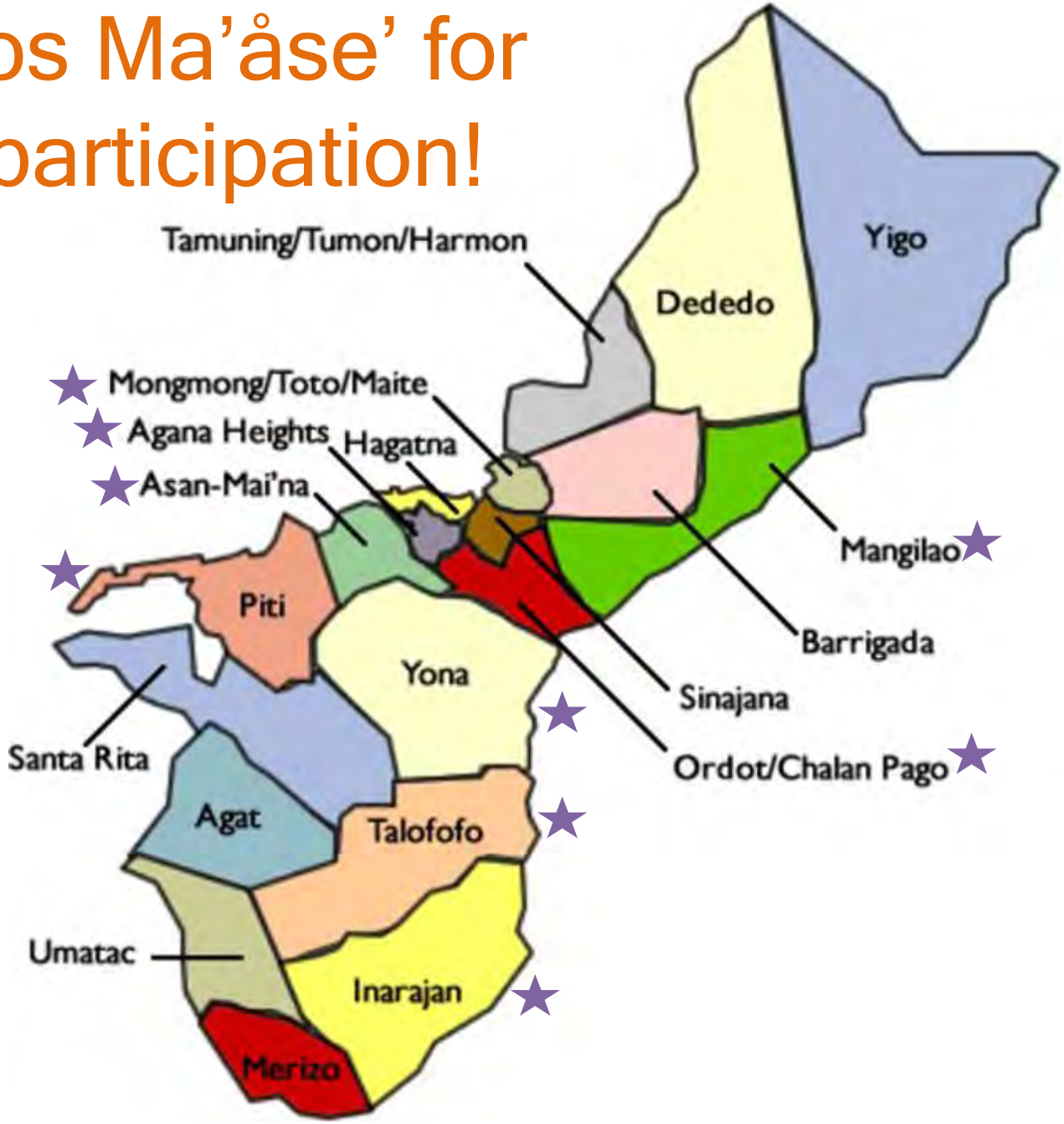


Nuts & Bolts



Hands-On App Use

Si Yu'os Ma'åse' for your participation!



Village Management Program (VMP)



Collaborative effort between Guam Power Authority & participating village Mayors



Reduce outages



Reduce auto-pole collisions

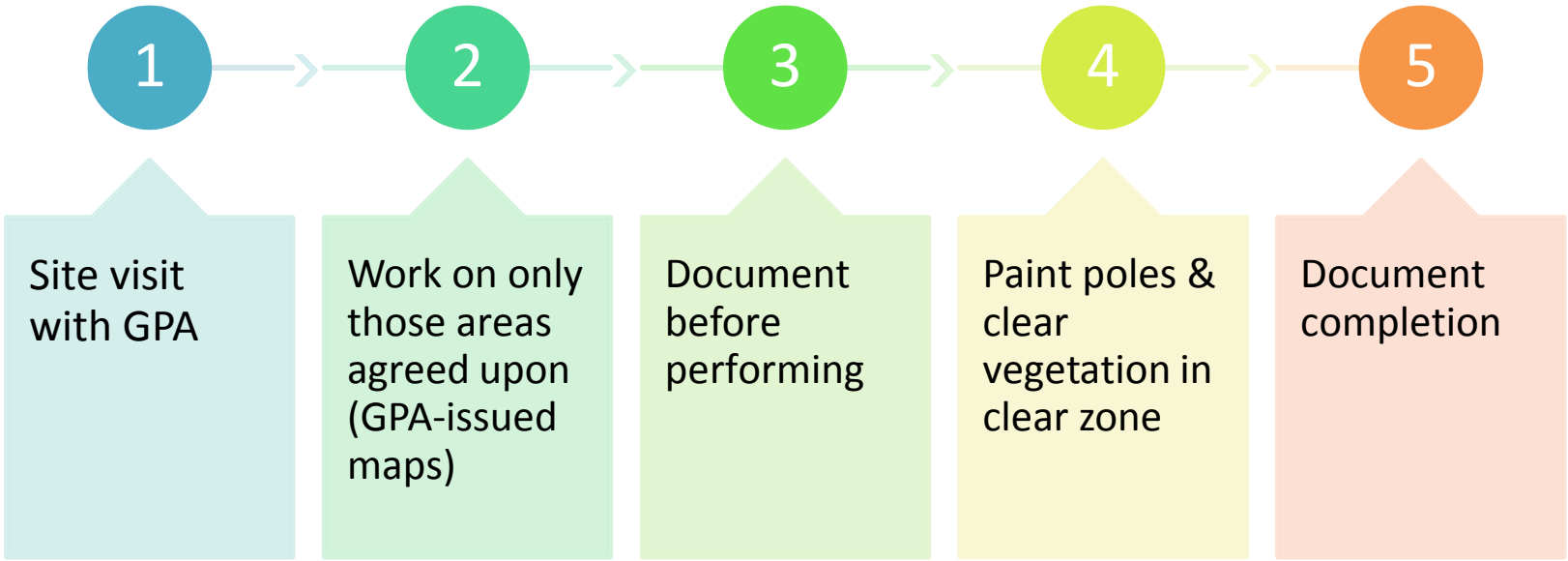


Exchange of in-kind services



Village beautification

PROCESS OVERVIEW



NUTS & BOLTS: Accountability



MOU



Interagency Work Agreement



Work Completion Form



Credit Tracking Form



GPA VILLAGE MANAGEMENT PROGRAM
AGREEMENT
MEMORANDUM OF UNDERSTANDING

VILLAGE MANAGEMENT PROGRAM
WAIVER OF LIABILITY

VILLAGE NAME

Authorized Representative

Name Title

Signature Date

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN

FORM A
VILLAGE MANAGEMENT PROGRAM
Work Completion Form

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN

FORM B
VILLAGE MANAGEMENT PROGRAM
Credit Tracking Form

NUTS & BOLTS: Documentation

NUTS & BOLTS: Responsibilities

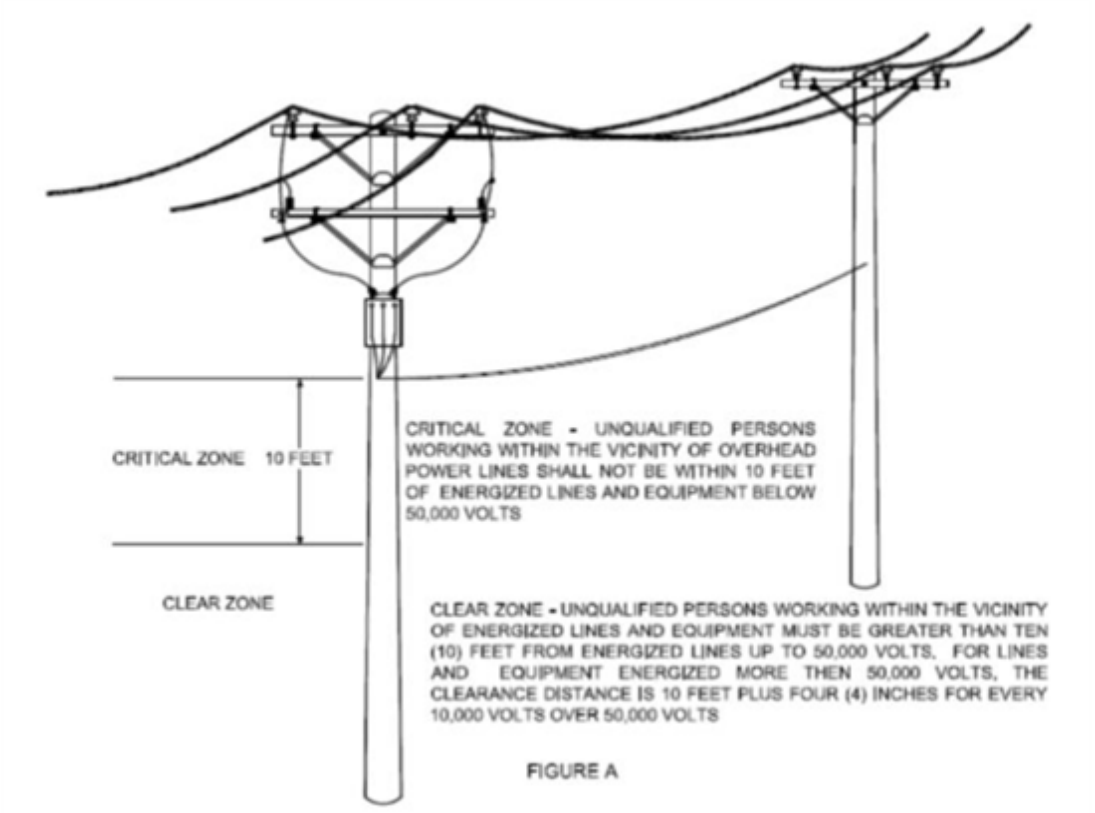
MAYOR

- Perform work
- Document
- Use credits

GPA

- Initial clearing (vegetation)
- Provide maps & app
- Provide paint (power poles)
- Charge services against VMP credits
- Manage program

NUTS & BOLTS: Responsibilities



NUTS & BOLTS: Responsibilities

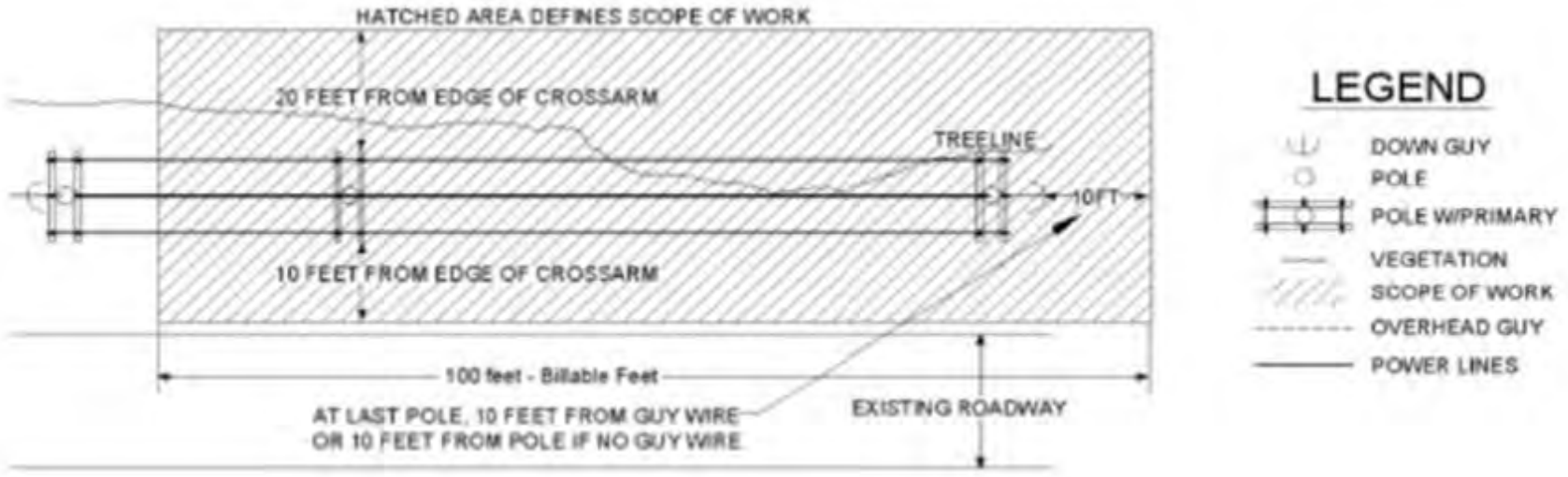


FIGURE B

NUTS & BOLTS: Responsibilities

VEGETATION MAINTENANCE

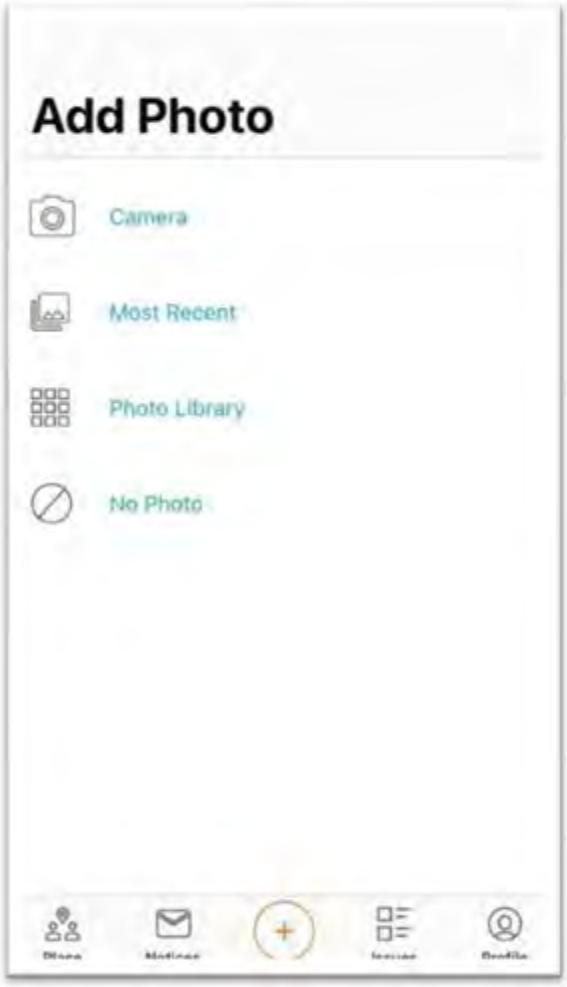
- **$1 per linear foot per month**
- *Designated areas*
- *Inspection & verification required*

POWER POLE PAINTING

- **$5 per pole per year**
- Paint provided by GPA
- *Designated areas*
- *Inspection & verification required*

HANDS-ON APP USE

Step 1: Initiate Report



Step 2: Take Photo

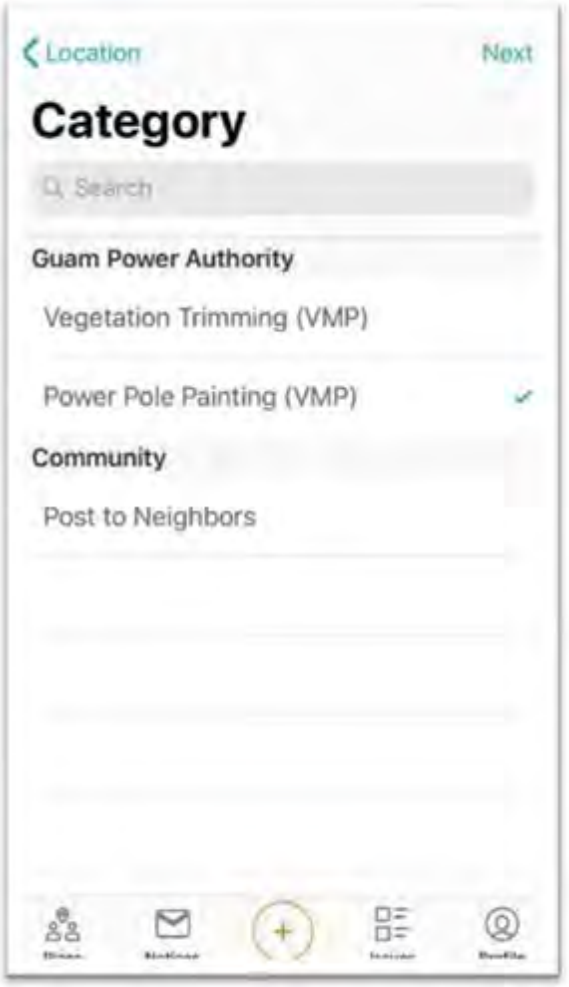


HANDS-ON APP USE

Step 3: Verify Location

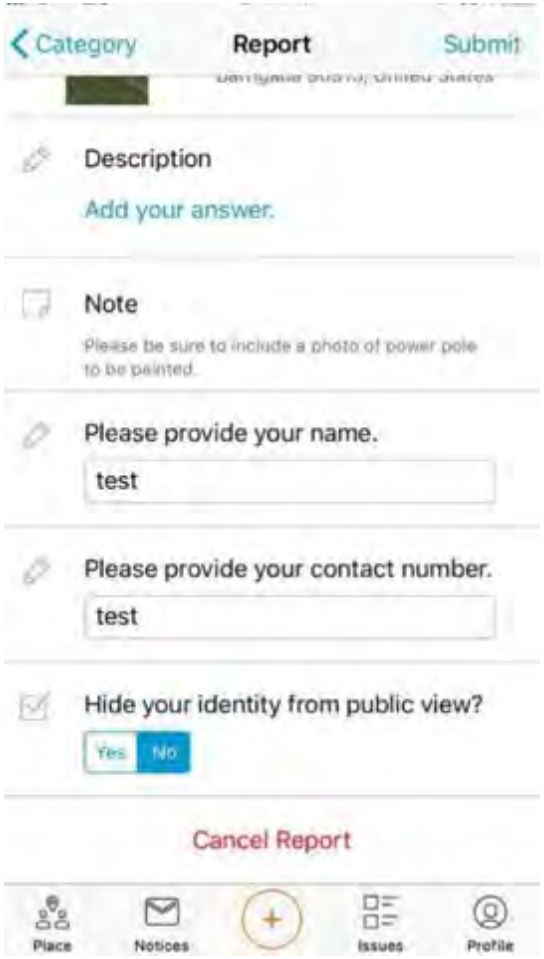


Step 4: Add Details

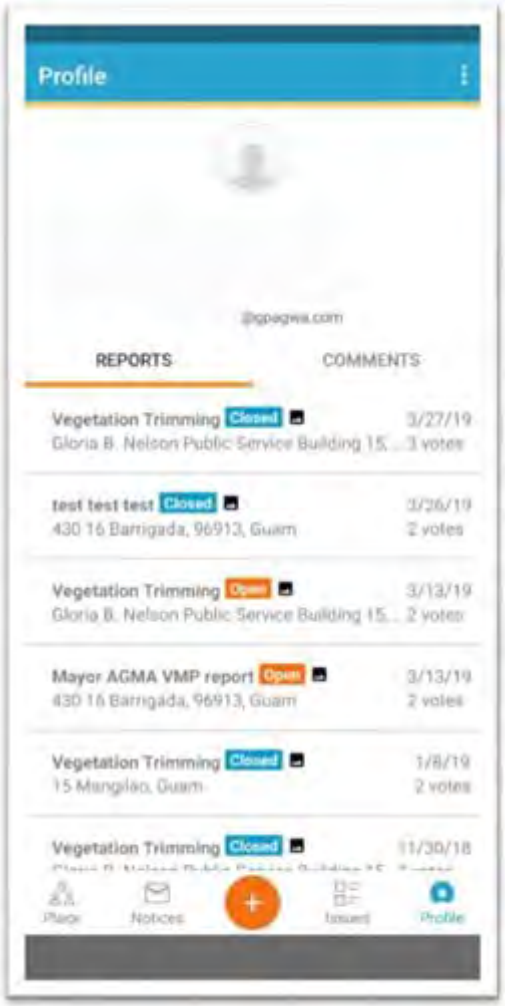


HANDS-ON APP USE

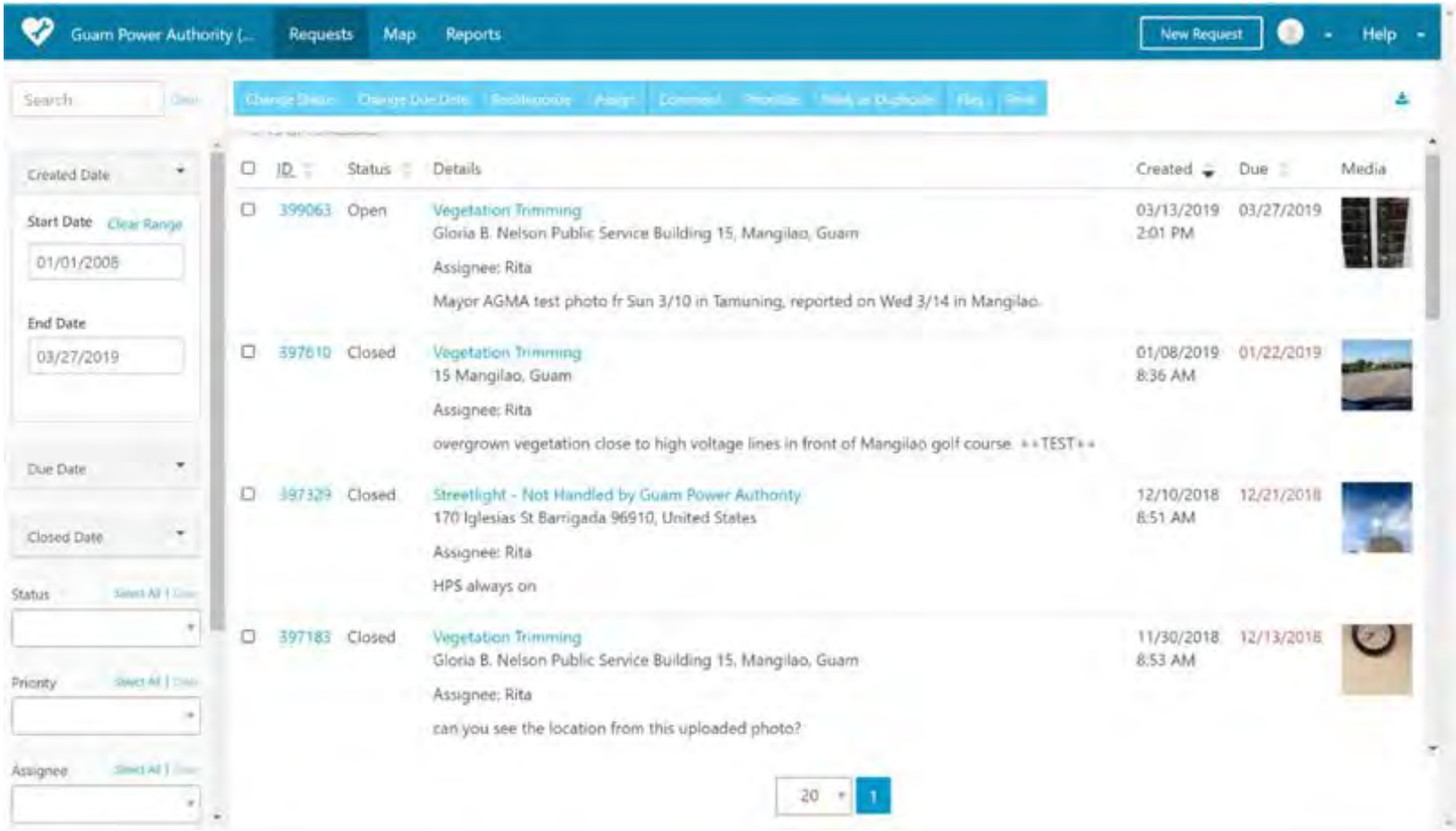
Step 5: Complete Report



Step 6: Track Reports



HANDS-ON APP USE



SI YU'OS MA'ÅSE'!

MEETING PARTICIPANTS

AGANA HEIGHTS
Angelica Gumataotao
Eugene Bamba
Vincent San Nicolas

ASAN-MAINA
Mayor Frankie Salas

INARAJAN
Mayor Doris Lujan
Bobbie Manglona

MANGILAO
Edward Tosco

MONGMONG-TOTO-MAITE
Mayor Rudy Paco

ORDOT-CHALAN PAGO
Julie Posadas

PITI
Mayor Jesse Alig
Christopher Ofalla
Michael Tajalle

TALOFOFO
Mayor Vincente Taitague
Debbie Naputi

The Village Management Program is a voluntary collaborative pilot project of the Guam Power Authority and nine (9) village Mayors.

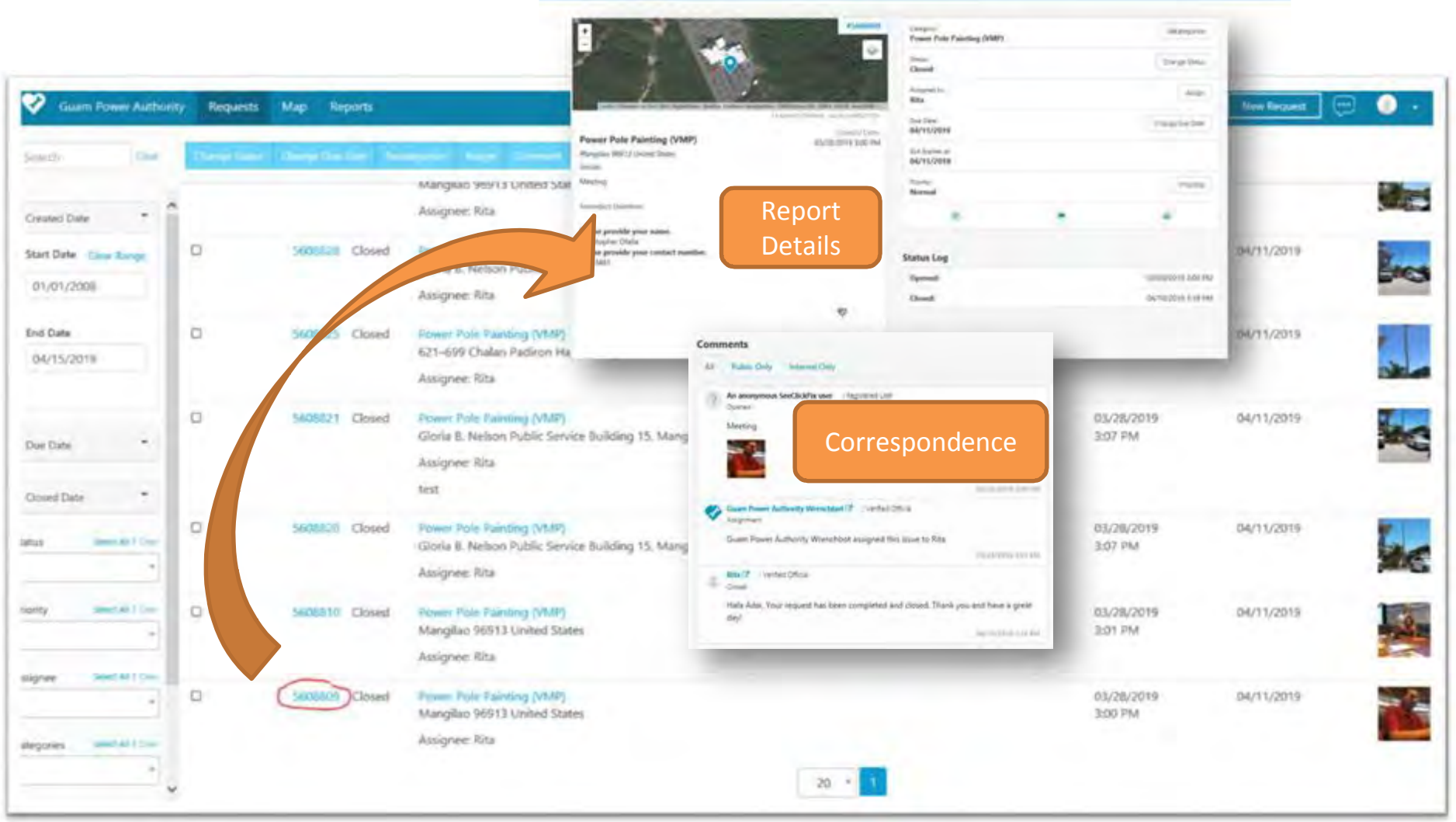
For more information, please contact:

PRIMARY CONTACT

Rita T. Cruz
Customer Service
648-3136
rtcruz@gpagwa.com

JoAnn C. Babauta
Customer Service
647-5787
jcbabauta@gpagwa.com

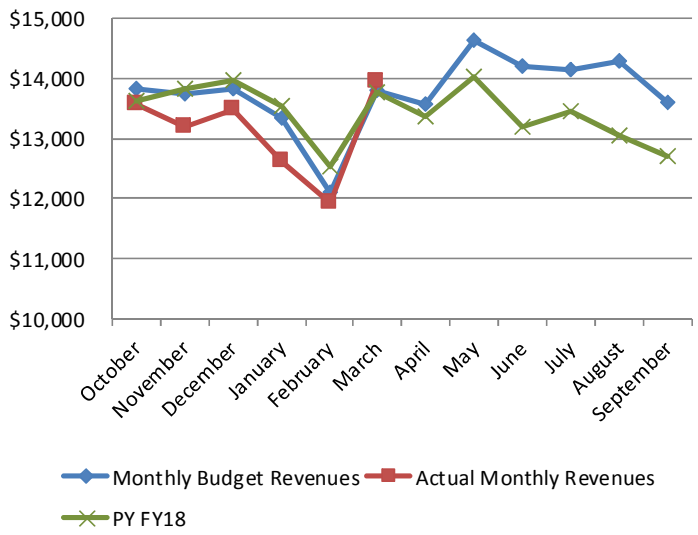
VILLAGE MANAGEMENT PROGRAM



CFO
FINANCIAL HIGHLIGHTS
MARCH 2019

March 2019 Monthly Financial Highlights

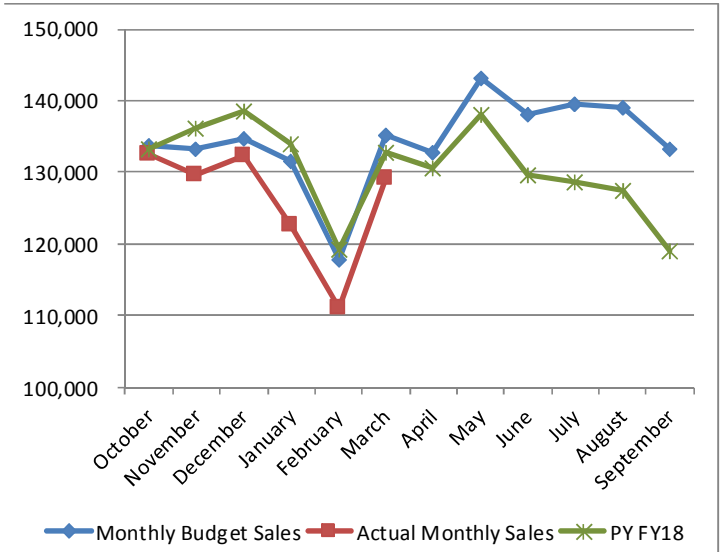
Base Rate Revenue $000



Through March 31, 2019

$000	Monthly Budget Revenues	Actual Monthly Revenues	Variance		PY FY18	CY vs PY Variance	
October	$ 13,811	$ 13,564	$ (246)	↓	$ 13,625	$ (61)	↓
November	13,723	13,203	$ (519)	↓	13,827	$ (624)	↓
December	13,833	13,467	$ (365)	↓	13,968	$ (501)	↓
January	13,321	12,616	$ (705)	↓	13,534	$ (918)	↓
February	12,114	11,915	$ (199)	↓	12,522	$ (607)	↓
March	13,790	13,926	$ 135	↑	13,776	$ 150	↑
April	13,562				13,351		
May	14,630				14,011		
June	14,196				13,201		
July	14,152				13,446		
August	14,280				13,041		
September	13,590				12,707		
Total	**$ 165,002**	**$ 78,692**	**$ (1,899)**		**$ 161,010**	**$ (2,560)**	**$ 35**

MWh Sales

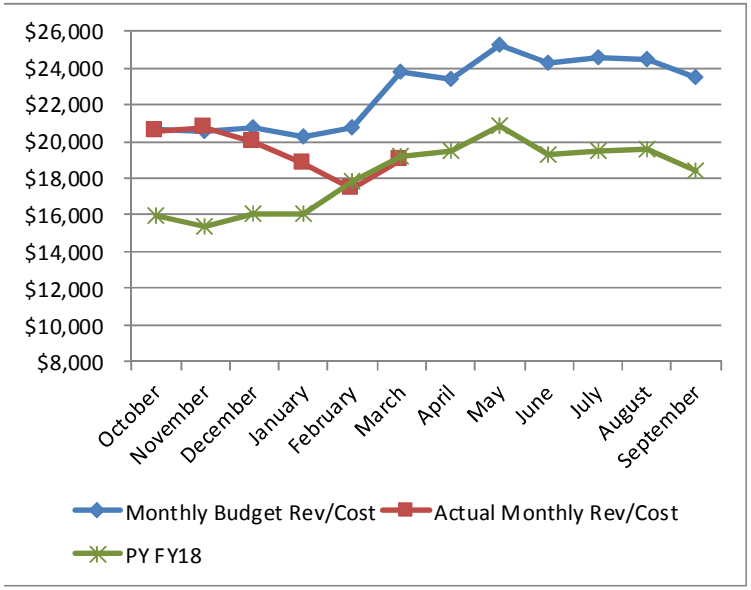


Through March 31, 2019

gwh	Monthly Budget Sales	Actual Monthly Sales	Variance		PY FY18	CY vs PY Variance	
October	133,797	132,489	(1,308)	↓	133,262	(773)	↓
November	133,346	129,537	(3,809)	↓	136,044	(6,506)	↓
December	134,715	132,190	(2,525)	↓	138,587	(6,397)	↓
January	131,547	122,590	(8,958)	↓	133,882	(11,292)	↓
February	117,775	111,159	(6,616)	↓	119,241	(8,082)	↓
March	135,196	129,170	(6,026)	↓	132,693	(3,523)	↓
April	132,763				130,565		
May	143,236				138,085		
June	138,016				129,728		
July	139,434				128,681		
August	139,030				127,348		
September	133,149				118,935		
Total	**1,612,003**	**757,135**	**(29,241)**		**1,567,052**	**(36,575)**	

March 2019 Monthly Financial Highlights (Continued)

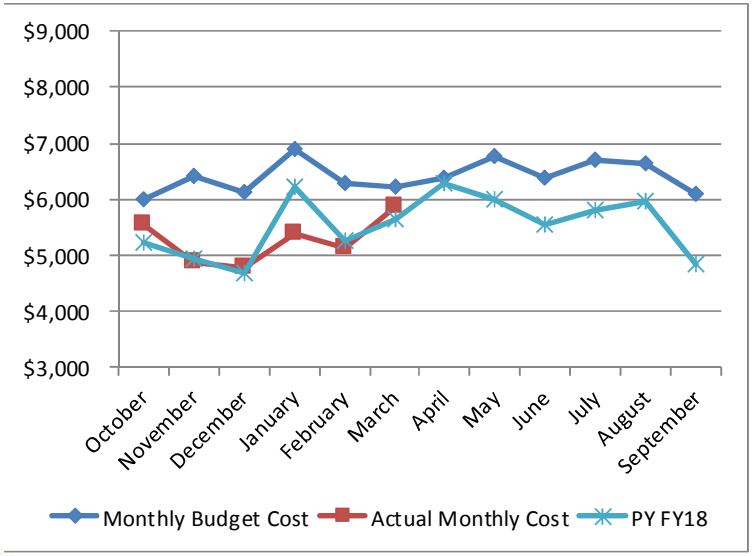
Fuel Revenue/ Cost $000



Through March 31, 2019

$000	Monthly Budget Rev/Cost	Actual Monthly Rev/Cost	Variance		PY FY18	CY vs PY Variance	
October	$ 20,637	$ 20,550	$ (87)	↓	$ 15,936	$ 4,615	↑
November	20,568	20,711	$ 143	↑	15,400	$ 5,310	↑
December	20,779	19,969	$ (810)	↓	16,007	$ 3,961	↑
January	20,290	18,822	$ (1,468)	↓	16,036	$ 2,785	↑
February	20,718	17,368	$ (3,350)	↓	17,763	$ (395)	↓
March	23,783	19,017	$ (4,765)	↓	19,180	$ (163)	↓
April	23,354				19,441		
May	25,197				20,854		
June	24,279				19,252		
July	24,528				19,457		
August	24,457				19,608		
September	23,422				18,390		
Total	**$ 272,011**	**$ 116,436**	**$(10,338)**		**$ 217,324**	**$ 16,114**	

O&M Cost $000



Through March 31, 2019

$000	Monthly Budget Cost	Actual Monthly Cost	Variance		PY FY18	CY vs PY Variance	
October	$ 5,986	5,551	435	↑	5,239	(312)	↓
November	6,419	4,875	1,544	↑	4,941	66	↑
December	6,119	4,762	1,358	↑	4,694	(68)	↓
January	6,882	5,399	1,483	↑	6,204	805	↑
February	6,291	5,114	1,177	↑	5,252	138	↑
March	6,231	5,869	362	↑	5,638	(231)	↓
April	6,374				6,269		
May	6,753				6,005		
June	6,373				5,558		
July	6,710				5,797		
August	6,648				5,961		
September	6,079				4,836		
Total	**$ 76,866**	**$ 31,570**	**$ 6,359**		**$ 66,394**	**$ 398**	

March 2019 Monthly Financial Highlights (Continued)

Through March 31, 2019

	1Q2018	2Q2018	3Q2018	4Q2018	1Q2019	2Q2019
Residential	43,898	44,065	44,074	43,887	43,920	44,144
Commercial	5,231	5,262	5,278	5,261	5,273	5,291
Government	1,076	1,086	1,092	1,077	1,090	1,074
Streetlights	908	1,005	1,091	1,152	1,151	1,152
Navy	1	1	1	1	1	1
Total	51,114	51,419	51,536	51,378	51,435	51,662

Debt service coverage (DSC) calculation-indenture	2013	2014	2015	2016	2017	2018	YTD Mar 2019
Senior lien coverage	3.36	3.16	3.62	3.28	2.65	2.68	1.95
Aggregate debt service coverage	1.88	1.98	2.62	3.28	2.65	2.68	1.95
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.16	2.55	2.56	2.45	1.79	1.80	1.48
Aggregate debt service coverage	1.21	1.41	1.85	2.45	1.79	1.80	1.48

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

GUAM POWER AUTHORITY
FINANCIAL STATEMENT OVERVIEW
February 2019

Attached are the financial statements and supporting schedules for the month and fiscal year ended February 28, 2019.

Summary
The increase in net assets for the month ended was $1.0 million as compared to the anticipated net decrease of $0.8 million projected at the beginning of the year. The total kWh sales for the month were 5.62% less than projected and non-fuel revenues were $0.2 million less than the estimated amount. O & M expenses for the month were $5.0 million which was $1.3 million less than our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to $3.0 million, which was $0.5 less than the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	**Previous Month**	**Current Month**	**Target**
Quick Ratio	1.94	2.50	2
Days in Receivables	37	38	52
Days in Payables	36	13	30
LEAC (Over)/Under Recovery Balance -YTD	$13,336,698	$13,051,523	$13,785,874
T&D Losses	5.32%	5.32%	<7.00%
Debt Service Coverage	1.36	1.40	1.75
Long-term equity ratio	19%	19%	30 – 40%
Days in Cash	194	181	60

The Quick Ratio has been a challenge for GPA historically. However, over the last two fiscal years, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately $64 million and approximately $161 million in cash and current receivables. The LEAC over recovery for the month is $0.3 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statements
February 2019

Significant Assumptions

The significant assumptions in the financial statements are as follows:

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

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

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Net Position
February 28, 2019 and September 30, 2018

	Unaudited February 2019	Unaudited September 2018	Change from Sept 30 2018
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	$ 20,498,798	$ 17,997,927	$ 2,500,871
Bond indenture funds	36,386,655	49,970,719	(13,584,064)
Held by Guam Power Authority:			
Bond indenture funds	120,445,024	142,583,470	(22,138,446)
Self insurance fund-restricted	19,260,114	19,258,353	1,761
Energy sense fund	465,630	1,085,472	(619,842)
Total cash and cash equivalents	197,056,221	230,895,941	(33,839,720)
Accounts receivable, net	41,625,717	37,746,060	3,879,657
Total current receivables	41,625,717	37,746,060	3,879,657
Materials and supplies inventory	11,118,790	12,695,441	(1,576,651)
Fuel inventory	48,773,547	67,993,103	(19,219,556)
Prepaid expenses	4,888,013	979,828	3,908,185
Total current assets	303,462,288	350,310,373	(46,848,085)
Utility plant, at cost:			
Electric plant in service	1,066,120,707	1,063,192,955	2,927,752
Construction work in progress	43,273,593	28,495,325	14,778,268
Total	1,109,394,300	1,091,688,280	17,706,020
Less: Accumulated depreciation	(614,486,252)	(598,792,653)	(15,693,599)
Total utility plant	494,908,048	492,895,627	2,012,421
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,513,395	48,600,660	(87,265)
Unamortized debt issuance costs	2,385,828	2,503,448	(117,620)
Total other non-current assets	50,899,223	51,104,108	(204,885)
Total assets	849,269,559	894,310,108	(45,040,549)
Deferred outflow of resources:			
Deferred fuel revenue	13,051,523	8,370,542	4,680,981
Unamortized loss on debt refunding	26,110,081	27,093,636	(983,555)
Pension	8,698,853	8,698,853	0
Unamortized forward delivery contract costs	411,598	477,998	(66,400)
Total deferred outflows of resources	48,272,055	44,641,029	3,631,026
	$ 897,541,614	$ 938,951,137	$ (41,409,523)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statement of Net Position, Continued
February 28, 2019 and September 30, 2018

	Unaudited February 2019	Unaudited September 2018	Change from Sept 30 2018
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	16,130,000	1,630,000	14,500,000
Current obligations under capital leases	7,546,290	13,469,594	(5,923,304)
Accounts payable			
Operations	15,517,640	47,870,908	(32,353,267)
Others	678,434	259,708	418,725
Accrued payroll and employees' benefits	1,784,066	1,949,080	(165,014)
Current portion of employees' annual leave	2,285,310	2,101,168	184,142
Interest payable	12,253,712	14,660,598	(2,406,886)
Customer deposits	8,110,519	8,142,519	(32,000)
Total current liabilities	64,305,971	90,083,575	(25,777,604)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	19,345,291	0
Long term debt, net of current maturities	587,144,749	604,881,434	(17,736,685)
Obligations under capital leases, net of current portion	8,101,249	11,228,765	(3,127,515)
Net Pension liability	80,010,447	81,468,099	(1,457,652)
DCRS sick leave liability	4,008,397	4,008,397	0
Employees' annual leave net of current portion	1,086,456	1,086,456	0
Customer advances for construction	395,497	385,293	10,204
Total liabilities	764,398,057	812,487,310	(48,089,253)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	1,508,713	1,752,053	(243,340)
Pension	788,894	788,894	0
Total deferred inflows of resources	2,297,607	2,540,947	(243,340)
Commitments and contigencies			
Net Position:			
Net investment in capital assets	(39,509,688)	(40,128,079)	618,392
Restricted	43,164,727	47,856,103	(4,691,376)
Unrestricted	127,190,909	116,194,856	10,996,054
Total net position	130,845,949	123,922,880	6,923,069
	897,541,615	938,951,137	(41,409,522)

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 2019	Unaudited 2018	% of change Inc (dec)	Unaudited 2019	Unaudited 2018	% of change Inc (dec)
Revenues						
Sales of electricity	$ 29,282,613	$ 30,284,040	(3)	$ 162,185,148	$ 148,618,393	9
Miscellaneous	188,435	259,934	(28)	2,042,877	911,572	124
Total	29,471,048	30,543,974	(4)	164,228,025	149,529,965	10
Bad debt expense	(91,500)	(83,583)	9	(457,500)	(417,915)	9
Total revenues	29,379,548	30,460,391	(4)	163,770,525	149,112,050	10
Operating and maintenance expenses						
Production fuel	17,367,755	17,762,535	(2)	97,419,188	81,142,235	20
Other production	1,187,769	1,212,307	(2)	6,078,674	6,361,949	(4)
	18,555,524	18,974,842	(2)	103,497,862	87,504,184	18
Depreciation	3,131,208	2,893,871	8	15,864,245	16,132,990	(2)
Energy conversion cost	972,819	1,384,140	(30)	6,885,473	7,721,286	(11)
Transmission & distribution	824,944	1,248,333	(34)	4,408,625	5,387,644	(18)
Customer accounting	443,031	381,898	16	2,162,544	2,066,018	5
Administrative & general	2,566,533	2,325,529	10	12,594,029	12,096,351	4
Total operating and maintenance expenses	26,494,059	27,208,613	(3)	145,412,778	130,908,473	11
Operating income	2,885,489	3,251,778	(11)	18,357,747	18,203,577	1
Other income (expenses)						
Interest income	408,428	(443,559)	(192)	1,691,177	1,460,300	16
Interest expense and amortization	(2,438,264)	(2,649,935)	(8)	(12,042,246)	(13,482,485)	(11)
Bond issuance costs	88,022	67,464	30	439,110	(2,175,407)	(120)
Bid bond forfeiture	0	0	0	(1,245,000)	0	
Allowance for funds used during construction	0	196,517	(100)	0	1,217,558	(100)
Losses due to typhoon	(2,270)	0		(285,098)	(192,262)	
Other expense	(4,291)	(4,291)	0	(21,455)	(21,455)	0
Total other income (expenses)	(1,948,375)	(2,833,804)	(31)	(11,463,512)	(13,193,751)	(13)
Income (loss) before capital contributions	937,114	417,974	124	6,894,235	5,009,826	38
Capital contributions	0	70,107	0	28,837	74,902	0
Increase (decrease) in net assets	937,114	488,081	92	6,923,072	5,084,728	36
Total net assets at beginning of period (restated)	129,908,838	114,773,204	0	123,922,880	110,176,557	12
Total net assets at end of period	$ 130,845,952	$ 115,261,285	14	$ 130,845,952	$ 115,261,285	14

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows
Period Ended February 28, 2019

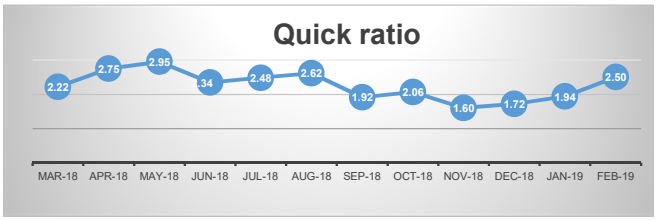
	Month Ended 2/28/2019	YTD Ended 2/28/2019
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	$31,101,574	$ 159,941,497
Cash payments to suppliers and employees for goods and services	38,700,848	150,355,349
Net cash provided by operating activities	($7,599,274)	9,586,148
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	408,428	1,691,177
Net cash provided by investing activities	408,428	1,691,177
Cash flows from non-capital financing activities		
Interest paid on short term debt	(5,950)	(32,646)
Provision for self insurance funds	-	(1,761)
Net cash provided by noncapital financing activities	(5,950)	(34,407)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(1,635,695)	(17,876,667)
Principal paid on bonds and other long-term debt	-	(1,630,000)
Interest paid on bonds(net of capitalized interest)	-	(14,052,875)
Interest paid on capital lease obligations	(102,597)	(363,612)
Interest & principal funds held by trustee	(3,460,812)	(2,500,871)
Reserve funds held by trustee	64,418	87,265
Bond funds held by trustee	1,112,398	13,584,064
Principal payment on capital lease obligations	(628,858)	(9,050,820)
Grant from DOI/FEMA	-	28,837
Debt issuance costs/loss on defeasance	(321,537)	(1,606,685)
Net cash provided by (used in) capital and related financing activities	(4,972,683)	(33,381,364)
Net (decrease) increase in cash and cash equivalents	(12,169,479)	(22,138,445)
Cash and cash equivalents, beginning	132,614,503	142,583,470
Cash and cash equivalents-Funds held by GPA, February 28, 2019	**$ 120,445,024**	**$ 120,445,024**

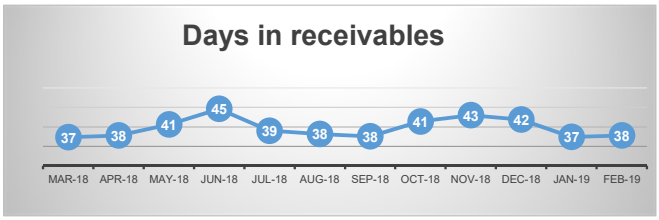
GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows, continued
Period Ended February 28, 2019

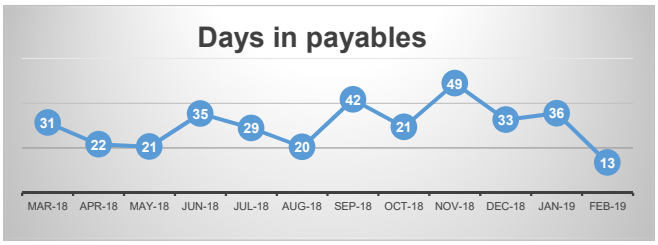
	Month Ended 2/28/2019	YTD Ended 2/28/2019
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	$2,885,489	$18,357,747
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	3,131,208	15,864,245
Other expense	81,461	(1,112,443)
(Increase) decrease in assets:		
Accounts receivable	1,762,810	(3,879,657)
Materials and inventory	(338,516)	1,576,651
Fuel inventory	11,427,195	19,219,556
Prepaid expenses	451,049	(3,908,185)
Unamortized debt issuance cost	23,524	117,620
Deferred fuel revenue	285,175	(4,680,981)
Unamortized loss on debt refunding	196,711	983,555
Unamortized forward delivery contract costs	13,280	66,400
Increase (decrease) in liabilities:		
Accounts payable-operations	(11,655,029)	(32,353,267)
Accounts payable-others	(15,568,610)	1,038,567
Accrued payroll and employees' benefits	128,027	(165,014)
Provision for self insurance	-	-
Net pension liability	(279,109)	(1,457,652)
Employees' annual leave	31,866	184,142
Customers deposits	(127,137)	(32,000)
Customer advances for construction	-	10,204
Unearned forward delivery contract revenue	(48,668)	(243,340)
Net cash provided by operating activities	**($7,599,274)**	**$ 9,586,148**

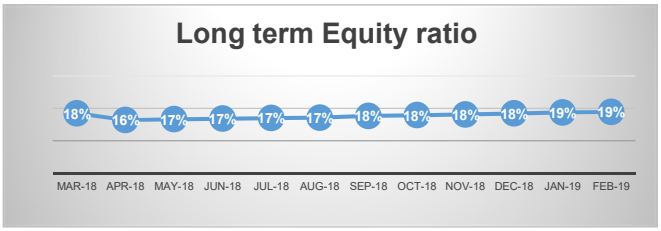
Guam Power Authority
Financial Analysis
February 28, 2019

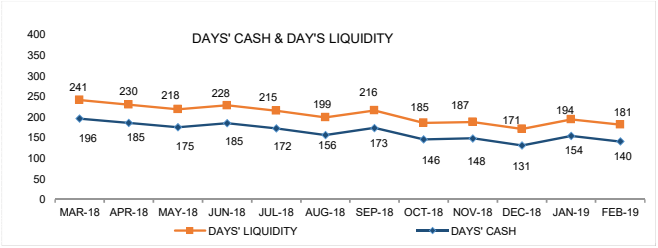
	Quick Ratio		
A	Reserve Funds Held by GPA	$	120,445,024
B	Current Accounts Receivable		40,529,020
C	Total Cash and A/R (A+B)		160,974,044
D	Total Current Liabilities		64,305,971
E	**Quick Ratio (F/G)**		**2.50**
	Days in Receivables		
A	FY 18 Moving 12 Mos.-Actual	$	391,895,627
B	No. of Days		365
C	Average Revenues per day (A/B)		1,073,687
D	Current Accounts Receivable		40,529,020
E	**Days in Receivables (D/C)**		**38**
	Days in Payables		
A	FY 18 Moving 12 Months-Actual	$	438,651,905
B	No. of Days		365
C	Average Payables per day (A/B)		1,201,786
D	Current Accounts Payables		16,196,073
E	**Days in Payables (D/C)**		**13**
	Long term equity ratio		
A	Equity	$	130,845,949.11
B	Total Long term Liability	$	562,163,807.41
C	Total Equity and liability	$	693,009,756.52
D	**Long term equity ratio (A/C)**		**19%**
	Days cash on hand		
A	Unresctricted cash & cash equivalents	$	120,445
B	No. of Days -YTD		151
C	A x B		18,187,199
D	Total Operating expenses excluding depreciation		129,549
E	**Days cash on hand**		**140**
	Days' Liquidity		
A	Unresctricted cash , cash equivalents & revolving Cre	$	155,445
B	No. of Days -YTD		151
C	A x B		23,472,199
D	Total Operating expenses excluding depreciation		129,549
E	**Days liquidity**		**181**











19-Mar-19

ACCRUED REVENUE
FEBRUARY 2019

	FOR THE MONTH ENDED FEBRUARY		FIVE MONTHS ENDED FEBRUARY	
	2019	2018	2019	2018
KWH SALES:				
Residential	33,484,048	36,809,815	194,779,583	207,254,376
Small Gen. Non Demand	5,421,847	6,154,115	32,046,336	34,082,288
Small Gen. Demand	13,414,678	14,164,319	74,453,401	77,157,122
Large General	22,118,423	23,674,407	123,768,223	130,253,282
Independent Power Producer	25,891	28,976	156,894	282,194
Private St. Lights	32,766	32,408	166,560	168,787
Sub-total	74,497,653	80,864,040	425,370,997	449,198,050
Government Service:				
Small Non Demand	1,019,279	1,119,571	5,633,133	6,146,591
Small Demand	7,207,579	7,377,578	38,912,212	39,926,301
Large	5,273,740	5,905,830	29,499,912	32,002,581
Street Lighting	791,792	669,689	3,670,051	3,565,091
Sub-total	14,292,390	15,072,669	77,715,308	81,640,563
Total	88,790,044	95,936,708	503,086,304	530,838,612
U. S. Navy	22,368,909	23,304,608	124,878,250	130,177,731
GRAND TOTAL	111,158,952	119,241,316	627,964,554	661,016,343
REVENUE:				
Residential	$ 8,491,117	$ 9,633,432	$ 48,832,363	$ 46,040,029
Small Gen. Non Demand	$ 1,599,494	$ 1,869,658	$ 9,380,850	$ 8,958,947
Small Gen. Demand	$ 3,714,204	$ 4,006,949	$ 20,477,293	$ 18,947,946
Large General	$ 5,778,637	$ 6,086,686	$ 31,913,490	$ 29,511,932
Independent Power Producer	$ 7,681	$ 7,969	$ 44,359	$ 63,044
Private St. Lights	$ 25,784	$ 25,733	$ 129,966	$ 127,140
Sub-total	$ 19,616,918	$ 21,630,428	$ 110,778,321	$ 103,649,038
Government Service:				
Small Non Demand	$ 311,171	$ 335,126	$ 1,716,369	$ 1,677,018
Small Demand	$ 2,065,940	$ 2,094,220	$ 11,186,167	$ 10,268,634
Large	$ 1,492,275	$ 1,628,297	$ 8,176,928	$ 7,937,307
Street Lighting	$ 488,836	$ 439,995	$ 2,427,582	$ 2,149,230
Sub-total	$ 4,358,222	$ 4,497,638	$ 23,507,045	$ 22,032,189
Total	$ 23,975,139	$ 26,128,065	$ 134,285,366	$ 125,681,227
U. S. Navy	$ 5,307,473	$ 4,155,974	$ 27,899,781	$ 22,937,166
GRAND TOTAL	$ 29,282,613	$ 30,284,040	$ 162,185,147	$ 148,618,393
NUMBER OF CUSTOMERS:				
Residential	44,018	43,995	44,003	43,992
Small Gen. Non Demand	4,173	4,153	4,176	4,138
Small Gen. Demand	984	991	984	983
Large General	119	118	118	118
Independent Power Producer	2	2	523	528
Private St. Lights	521	527	2	3
Sub-total	49,817	49,786	49,808	49,762
Government Service:				
Small Non Demand	678	684	679	681
Small Demand	357	351	350	351
Large	42	47	43	47
Street Lighting	628	421	628	389
Sub-total	1,705	1,503	1,700	1,467
Total	51,522	51,289	51,508	51,229
US Navy	1	1	1	1
	51,523	51,290	51,509	51,230

GPA403
19-Mar-19

GUAM POWER AUTHORITY
ACCRUED REVENUE

	TWELVE MONTHS ENDING	FEBRUARY 2019	JANUARY 2019	DECEMBER 2018	NOVEMBER 2018	OCTOBER 2018	SEPTEMBER 2018	AUGUST 2018	JULY 2018	JUNE 2018	MAY 2018	APRIL 2018	MARCH 2018
KWH SALES:													
Residential	482,871,955	33,484,048	36,661,215	41,291,151	41,148,899	42,194,270	37,207,511	39,748,314	41,361,122	42,056,621	44,782,019	41,394,961	41,541,824
Small General Non Demand	79,383,652	5,421,847	6,252,665	6,871,789	6,712,433	6,787,602	6,128,698	6,737,467	6,743,157	6,840,318	7,216,684	6,694,385	6,976,607
Small General Demand	181,901,432	13,414,678	14,926,054	15,425,672	15,054,686	15,632,311	14,018,162	15,283,605	15,161,689	15,360,000	16,316,998	15,390,268	15,917,309
Large General	300,883,190	22,118,423	24,846,497	25,790,483	26,074,017	24,938,803	23,573,240	24,724,982	25,339,577	25,263,128	26,377,222	25,681,619	26,155,199
Private Outdoor Lighting	400,829	32,766	32,878	33,401	33,984	33,531	34,933	33,511	34,288	37,088	34,126	27,531	32,791
Independent Power Producer	354,415	25,891	36,117	28,494	35,867	30,526	29,708	30,251	30,088	25,238	26,295	27,405	28,536
Sub-Total	1,045,795,472	74,497,653	82,755,426	89,440,990	89,059,886	89,617,042	80,992,253	86,558,130	88,669,920	89,582,394	94,753,344	89,216,169	90,652,265
Government Service:													
Small Non Demand	13,813,527	1,019,279	1,066,520	1,218,540	1,096,422	1,232,371	1,089,787	1,205,730	1,128,046	1,157,839	1,224,286	1,180,911	1,193,794
Small Demand	91,931,848	7,207,579	7,752,635	8,107,721	7,758,614	8,085,662	7,082,161	7,641,330	7,182,975	7,404,715	8,098,401	7,720,850	7,889,205
Large	72,147,638	5,273,740	5,782,397	6,098,140	5,989,384	6,356,251	5,873,776	6,179,381	5,707,305	5,896,149	6,622,597	6,142,309	6,226,210
Street Lighting (Agencies)	9,151,179	791,792	714,935	805,684	744,605	613,035	734,966	842,364	903,135	795,661	761,901	699,601	743,499
Sub-Total	187,044,192	14,292,390	15,316,487	16,230,084	15,589,026	16,287,319	14,780,690	15,868,805	14,921,461	15,254,364	16,707,185	15,743,671	16,052,709
Total	1,232,839,664	88,790,044	98,071,914	105,671,074	104,648,912	105,904,361	95,772,942	102,426,935	103,591,381	104,836,757	111,460,529	104,959,840	106,704,974
U.S. Navy	301,160,691	22,368,909	24,517,651	26,518,827	24,888,490	26,584,373	23,161,867	24,921,140	25,089,942	24,891,007	26,624,376	25,605,624	25,988,485
Grand Total	1,534,000,355	111,158,952	122,589,564	132,189,902	129,537,402	132,488,734	118,934,809	127,348,076	128,681,323	129,727,764	138,084,906	130,565,464	132,693,459
REVENUE:													
Residential	$ 120,615,764	$ 8,491,117	$ 9,109,499	$ 10,347,514	$ 10,286,420	$ 10,597,812	$ 9,335,975	$ 9,971,178	$ 10,379,963	$ 10,487,819	$ 11,371,498	$ 10,082,308	$ 10,154,660
Small General Non Demand	$ 23,100,742	$ 1,599,494	$ 1,844,100	$ 2,002,603	$ 1,938,660	$ 1,995,993	$ 1,793,407	$ 1,962,561	$ 1,975,429	$ 1,969,294	$ 2,127,563	$ 1,903,541	$ 1,988,097
Small General Demand	$ 49,783,296	$ 3,714,204	$ 4,135,462	$ 4,234,344	$ 4,091,967	$ 4,301,317	$ 3,892,588	$ 4,192,538	$ 4,181,623	$ 4,150,658	$ 4,513,787	$ 4,108,079	$ 4,266,730
Large General	$ 77,320,620	$ 5,778,637	$ 6,433,966	$ 6,618,506	$ 6,715,109	$ 6,367,272	$ 6,170,948	$ 6,427,049	$ 6,510,707	$ 6,533,909	$ 6,798,955	$ 6,399,879	$ 6,565,683
Private Outdoor Lighting	$ 311,865	$ 25,784	$ 26,100	$ 25,860	$ 26,021	$ 26,201	$ 26,392	$ 26,189	$ 26,302	$ 27,542	$ 26,776	$ 22,912	$ 25,785
Independent Power Producer	$ 98,426	$ 7,681	$ 10,117	$ 7,355	$ 10,699	$ 8,507	$ 8,392	$ 7,924	$ 9,619	$ 6,601	$ 7,068	$ 7,057	$ 7,406
Sub-Total	$ 271,230,715	$ 19,616,918	$ 21,559,243	$ 23,236,182	$ 23,068,875	$ 23,297,103	$ 21,227,703	$ 22,587,439	$ 23,083,643	$ 23,175,823	$ 24,845,648	$ 22,523,776	$ 23,008,362
Government Service:													
Small Non Demand	$ 4,197,241	$ 311,171	$ 328,284	$ 373,332	$ 335,403	$ 368,179	$ 335,723	$ 366,623	$ 343,795	$ 354,533	$ 372,707	$ 350,949	$ 356,541
Small Demand	$ 26,457,792	$ 2,065,940	$ 2,248,023	$ 2,372,119	$ 2,230,742	$ 2,269,343	$ 2,104,471	$ 2,213,718	$ 2,081,391	$ 2,159,463	$ 2,323,025	$ 2,164,585	$ 2,224,973
Large	$ 20,092,232	$ 1,492,275	$ 1,614,932	$ 1,688,786	$ 1,646,650	$ 1,734,285	$ 1,680,530	$ 1,733,549	$ 1,609,173	$ 1,667,786	$ 1,840,797	$ 1,676,200	$ 1,707,269
Street Lighting (Agencies)	$ 5,835,834	$ 488,836	$ 465,560	$ 498,967	$ 479,197	$ 495,021	$ 477,638	$ 499,032	$ 568,447	$ 477,183	$ 477,272	$ 452,952	$ 455,729
Sub-Total	$ 56,583,099	$ 4,358,222	$ 4,656,799	$ 4,933,204	$ 4,691,993	$ 4,866,827	$ 4,598,362	$ 4,812,921	$ 4,602,806	$ 4,658,965	$ 5,013,801	$ 4,644,687	$ 4,744,512
Total	$ 327,813,813	$ 23,975,139	$ 26,216,042	$ 28,169,387	$ 27,760,868	$ 28,163,930	$ 25,826,065	$ 27,400,361	$ 27,686,449	$ 27,834,788	$ 29,859,448	$ 27,168,463	$ 27,752,874
U.S. Navy	$ 64,081,814	$ 5,307,473	$ 5,221,857	$ 5,266,617	$ 6,152,798	$ 5,951,036	$ 5,271,574	$ 5,243,314	$ 5,217,194	$ 4,618,042	$ 5,005,555	$ 5,623,411	$ 5,202,943
Grand Total	$ 391,895,627	$ 29,282,613	$ 31,437,899	$ 33,436,004	$ 33,913,666	$ 34,114,966	$ 31,097,639	$ 32,643,674	$ 32,903,643	$ 32,452,830	$ 34,865,003	$ 32,791,874	$ 32,955,817
NUMBER OF CUSTOMERS:													
Residential	44,011	44,018	44,091	43,920	43,876	44,112	43,887	44,005	44,003	44,074	44,086	43,991	44,065
Small General Non Demand	4,174	4,173	4,180	4,166	4,176	4,183	4,159	4,185	4,183	4,173	4,172	4,183	4,154
Small General Demand	985	984	986	987	981	984	982	984	982	984	988	988	987
Large General	119	119	119	118	119	117	118	118	119	119	119	119	119
Private Outdoor Lighting	527	521	522	523	524	527	525	525	531	532	533	536	526
Independent Power Producer	3	2	2	3	3	2	3	3	3	3	4	4	3
Sub-Total	49,818	49,817	49,900	49,717	49,679	49,925	49,674	49,820	49,821	49,885	49,902	49,821	49,854
Government Service:													
Small Non Demand	684	678	679	683	667	686	677	683	690	694	691	692	689
Small Demand	351	357	356	360	327	352	353	354	351	351	350	350	350
Large	45	42	42	47	38	47	47	47	47	47	47	47	47
Street Lighting (Agencies)	589	628	628	628	628	629	627	614	612	559	526	513	479
Sub-Total	1,670	1,705	1,705	1,718	1,660	1,714	1,704	1,698	1,700	1,651	1,614	1,602	1,565
Total	51,488	51,522	51,605	51,435	51,339	51,639	51,378	51,518	51,521	51,536	51,516	51,423	51,419
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	51,489	51,523	51,606	51,436	51,340	51,640	51,379	51,519	51,522	51,537	51,517	51,424	51,420

GPA303

GUAM POWER AUTHORITY
ACCRUED REVENUE
FEBRUARY 2019

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	0.154242 FUEL C/KWH	0.154242 FUEL AMOUNT
Month												
R Residential	44,018	33,484,048	$ 8,491,117	$ 25.36	$ 25.36	$ 8,491,117	761	$ 193	$ 9.93	$ 3,326,470	$ 15.42	$ 5,164,647
G Small Gen. Non Demand	4,173	5,421,847	$ 1,599,494	$ 29.50	$ 29.50	$ 1,599,494	1,299	$ 383	$ 14.08	$ 763,218	$ 15.42	$ 836,276
J Small Gen. Demand	984	13,414,678	$ 3,714,204	$ 27.69	$ 27.69	$ 3,714,204	13,633	$ 3,775	$ 12.27	$ 1,645,996	$ 15.42	$ 2,068,208
P Large General	119	22,118,423	$ 5,778,637	$ 26.13	$ 26.13	$ 5,778,637	185,869	$ 48,560	$ 10.77	$ 2,382,941	$ 15.35	$ 3,395,696
I Independent Power Producer	2	25,891	$ 7,681	$ 29.67	$ 29.67	$ 7,681	12,946	$ 3,841	$ 14.78	$ 3,827	$ 14.89	$ 3,855
H Private St. Lights	521	32,766	$ 25,784	$ 78.69	$ 78.69	$ 25,784	63	$ 49	$ 63.27	$ 20,730	$ 15.42	$ 5,054
Sub-Total	49,817	74,497,653	$ 19,616,918	$ 26.33	$ 26.33	$ 19,616,918	1,495	$ 394	$ 10.93	$ 8,143,182	$ 15.40	$ 11,473,735
Government Service:												
S Small Non Demand	678	1,019,279	$ 311,171	$ 30.53	$ 30.53	$ 311,171	1,503	$ 459	$ 15.10	$ 153,956	$ 15.42	$ 157,216
K Small Demand	357	7,207,579	$ 2,065,940	$ 28.66	$ 28.66	$ 2,065,940	20,189	$ 5,787	$ 13.24	$ 954,228	$ 15.42	$ 1,111,711
L Large	42	5,273,740	$ 1,492,275	$ 28.30	$ 28.30	$ 1,492,275	125,565	$ 35,530	$ 13.06	$ 688,624	$ 15.24	$ 803,651
F Street Lighting (Agencies)	628	791,792	$ 488,836	$ 61.74	$ 61.74	$ 488,836	1,261	$ 778	$ 46.31	$ 366,708	$ 15.42	$ 122,128
Sub-Total	1,705	14,292,390	$ 4,358,222	$ 30.49	$ 30.49	$ 4,358,222	8,383	$ 2,556	$ 15.14	$ 2,163,516	$ 15.36	$ 2,194,706
Civilian Customers	51,522	88,790,044	$ 23,975,139	$ 27.00	$ 27.00	$ 23,975,139	1,723	$ 465	$ 11.61	$ 10,306,698	$ 15.39	$ 13,668,441
U.S. Navy	1	22,368,909	$ 5,307,473	$ 23.73	$ 23.73	$ 5,307,473			$ 7.19	$ 1,608,159	$ 16.54	$ 3,699,314
TOTAL	51,523	111,158,952	$ 29,282,613	$ 26.34	$ 26.34	$ 29,282,613	2,157	$ 568	$ 10.72	$ 11,914,857	$ 15.62	$ 17,367,756
Five Month Endings February 2019												
R Residential	44,003	194,779,583	$ 48,832,363	$ 25.07	$ 25.07	$ 48,832,363	4,426	$ 1,110	$ 9.65	$ 18,789,170	$ 15.42	$ 30,043,192
G Small Gen. Non Demand	4,176	32,046,336	$ 9,380,850	$ 29.27	$ 29.27	$ 9,380,850	7,675	$ 2,247	$ 13.85	$ 4,437,959	$ 15.42	$ 4,942,891
J Small Gen. Demand	984	74,453,401	$ 20,477,293	$ 27.50	$ 27.50	$ 20,477,293	75,633	$ 20,802	$ 12.09	$ 8,998,318	$ 15.42	$ 11,478,975
P Large General	118	123,768,223	$ 31,913,490	$ 25.78	$ 25.78	$ 31,913,490	1,045,340	$ 269,540	$ 10.43	$ 12,913,144	$ 15.35	$ 19,000,347
I Independent Power Producer	523	156,894	$ 44,359	$ -	$ -	$ 44,359	0	$ -	$ -	$ 21,014	$ -	$ 23,345
H Private St. Lights	2	166,560	$ 129,966	$ 78.03	$ 78.03	$ 129,966	69,400	$ 54,152	$ 62.61	$ 104,275	$ 15.42	$ 25,691
Sub-Total	49,808	425,370,997	$ 110,778,321	$ 26.04	$ 26.04	$ 110,778,321	8,540	$ 2,224	$ 10.64	$ 45,263,880	$ 15.40	$ 65,514,441
Government Service:												
S Small Non Demand	679	5,633,133	$ 1,716,369	$ 30.47	$ 30.47	$ 1,716,369	8,301	$ 2,529	$ 15.04	$ 847,503	$ 15.42	$ 868,866
K Small Demand	350	38,912,212	$ 11,186,167	$ 28.75	$ 28.75	$ 11,186,167	111,051	$ 31,924	$ 13.32	$ 5,184,270	$ 15.42	$ 6,001,897
L Large	43	29,499,912	$ 8,176,928	$ 27.72	$ 27.72	$ 8,176,928	682,868	$ 189,281	$ 12.48	$ 3,681,769	$ 15.24	$ 4,495,159
F Street Lighting (Agencies)	628	3,670,051	$ 2,427,582	$ 66.15	$ 66.15	$ 2,427,582	5,842	$ 3,864	$ 50.72	$ 1,861,505	$ 15.42	$ 566,076
Sub-Total	1,700	77,715,308	$ 23,507,045	$ 30.25	$ 30.25	$ 23,507,045	45,704	$ 13,824	$ 14.89	$ 11,575,047	$ 15.35	$ 11,931,998
Civilian Customers	51,508	503,086,304	$ 134,285,366			$ 134,285,366	9,767	$ 2,607		$ 56,838,927		$ 77,446,439
U.S. Navy	1	124,878,250	$ 27,899,781	$ 22.34	$ 22.34	$ 27,899,781			$ 6.35	$ 7,927,030	$ 15.99	$ 19,972,751
TOTAL	51,509	627,964,554	$ 162,185,147	$ 25.83	$ 25.83	$ 162,185,147	12,191	$ 3,149	$ 10.31	$ 64,765,958	$ 15.51	$ 97,419,190
Twelve Months Ending February 2019												
R Residential	44,011	482,871,955	$ 120,615,764	$ 24.98	$ 24.98	$ 120,615,764	10,972	$ 2,741	$ 9.64	$ 46,559,307	$ 15.34	$ 74,056,457
G Small Gen. Non Demand	4,174	79,383,652	$ 23,100,742	$ 29.10	$ 29.10	$ 23,100,742	19,019	$ 5,535	$ 13.76	$ 10,926,442	$ 15.34	$ 12,174,300
J Small Gen. Demand	985	181,901,432	$ 49,783,296	$ 27.37	$ 27.37	$ 49,783,296	184,718	$ 50,554	$ 12.04	$ 21,908,489	$ 15.32	$ 27,874,807
P Large General	119	300,883,190	$ 77,320,620	$ 25.70	$ 25.70	$ 77,320,620	2,537,314	$ 652,036	$ 10.46	$ 31,465,835	$ 15.24	$ 45,854,785
I Independent Power Producer	3	354,415	$ 98,426	$ 27.77	$ 27.77	$ 98,426	121,514	$ 33,746	$ 12.99	$ 46,029	$ 14.78	$ 52,397
H Private St. Lights	527	400,829	$ 311,865	$ 77.81	$ 77.81	$ 311,865	760	$ 592	$ 62.49	$ 250,462	$ 15.32	$ 61,404
Sub-Total	49,818	1,045,795,472	$ 271,230,715	$ 25.94	$ 25.94	$ 271,230,715	20,992	$ 5,444	$ 10.63	$ 111,156,564	$ 15.31	$ 160,074,150
Government Service:												
S Small Non Demand	684	13,813,527	$ 4,197,241	$ 30.39	$ 30.39	$ 4,197,241	20,193	$ 6,136	$ 15.08	$ 2,083,174	$ 15.30	$ 2,114,067
K Small Demand	351	91,931,848	$ 26,457,792	$ 28.78	$ 28.78	$ 26,457,792	261,976	$ 75,396	$ 13.47	$ 12,386,936	$ 15.31	$ 14,070,856
L Large	45	72,147,638	$ 20,092,232	$ 27.85	$ 27.85	$ 20,092,232	1,588,572	$ 442,398	$ 12.73	$ 9,182,955	$ 15.12	$ 10,909,277
F Street Lighting (Agencies)	589	9,151,179	$ 5,835,834	$ 63.77	$ 63.77	$ 5,835,834	15,530	$ 9,904	$ 48.46	$ 4,434,405	$ 15.31	$ 1,401,429
Sub-Total	1,670	187,044,192	$ 56,583,099	$ 30.25	$ 30.25	$ 56,583,099	112,025	$ 33,889	$ 15.02	$ 28,087,470	$ 15.23	$ 28,495,629
Civilian Customers	51,488	1,232,839,664	$ 327,813,813	$ 26.59	$ 26.59	$ 327,813,813	23,944	$ 39,333	$ 11.29	$ 139,244,034	$ 15.30	$ 188,569,779
U.S. Navy	1	301,160,691	$ 64,081,814	$ 21.28	$ 21.28	$ 64,081,814			$ 6.33	$ 19,050,124	$ 14.95	$ 45,031,690
TOTAL	51,489	1,534,000,355	$ 391,895,627	$ 25.55	$ 25.55	$ 391,895,627	29,793	$ 7,611	$ 10.32	$ 158,294,158	$ 15.23	$ 233,601,469

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

318Feb19 **FY 2019 Versus FY 2018**

	February 2019		February 2018		Y T D 2019		Y T D 2018		MOVING TWELVE MONTHS	
Gross Generation										
Number of days in Period	**28**		**28**		**151**		**61**		**365**	
Peak demand	**226**		**241**		**243**		**254**		**249**	
Date	**02/06/19**		**02/12/18**		**10/12/18**		**10/30/17**		**05/14/18**	
	KWH	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	51,993,000		58,479,000		291,363,000		316,294,000		626,304,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	25,407,200		22,095,400		108,327,100		129,721,000		296,980,000	
MEC (ENRON) Piti 9 (IPP)	16,152,300		24,733,700		120,595,500		137,758,900		306,672,500	
TEMES Piti 7 (IPP)	4,191,687		145,493		30,778,393		5,529,245		65,562,645	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:							0			
MDI 10MW	32,486		0		101,418		21,414		1,380,262	
NRG Solar Dandan	3,251,883		3,958,838		18,383,756		18,639,217		46,045,885	
Dededo CT #1	312,020		99,340		3,027,430		483,740		14,349,760	
Dededo CT #2	355,590		172,700		3,822,690		250,000		15,799,160	
Macheche CT	5,023,637		2,531,287		25,512,528		17,366,989		56,500,280	
Yigo CT (Leased)	4,531,014		2,335,631		25,388,266		13,512,827		60,788,604	
Tenjo	2,183,050		3,076,410		10,876,930		16,140,580		36,234,480	
Talofofo 10 MW	976,760		1,402,530		4,385,400		5,029,410		12,667,890	
Aggreko	8,040,942		11,990,124		50,492,713		64,396,071		146,824,732	
Wind Turbine*	0		39,425		10,431		180,214		142,521	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	122,451,569		**131,059,877**		**693,065,555**		**725,323,607**		**1,686,252,720**	
Ratio to last year		93.43		99.84		95.55		**101.35**		**95.12**
Station use	4,866,399		4,968,404		26,811,761		27,836,668		61,691,034	
Ratio to Gross generation		3.97		3.79		3.87		3.84		**3.66**
Net send out	117,585,170		126,091,473		666,253,794		697,486,939		1,624,561,686	
Ratio to last year		93.25		100.16		95.52		**101.56**		**95.12**
KWH deliveries:										
Sales to Navy (@34.5kv)	**22,368,909**		**23,304,608**		**124,878,250**		**130,177,731**		**301,160,691**	
Ratio to last year		95.98		102.43		95.93		**100.40**		**94.38**
GPA-metered	**95,216,261**		**102,786,865**		**541,375,544**		**567,309,208**		**1,323,400,995**	
Ratio to last year		92.63		99.66		95.43		**101.83**		**95.29**
Power factor adj.	0		0		0		0		0	
Adjusted	95,216,261		102,786,865		541,375,544		567,309,208		1,323,400,995	
GPA KWH Accountability:										
Sales to civilian customers-										
accrual basis	**88,790,044**		**95,936,708**		**503,086,305**		**530,838,612**		**1,232,839,663**	
Ratio to last year		92.55		101.13		94.77		**101.91**		**94.73**
GPA use-KWH	319,640		303,811		1,700,863		1,518,073		4,070,359	
Unaccounted For	6,106,577		6,546,346		36,588,376		34,952,523		86,490,973	
Ratio to deliveries		6.41		6.37		6.76		6.16		6.54
Ratio to Gross Generation		4.99		4.99		5.28		4.82		5.13
Ratio to Net Send Out		5.19		5.19		5.49		5.01		5.32

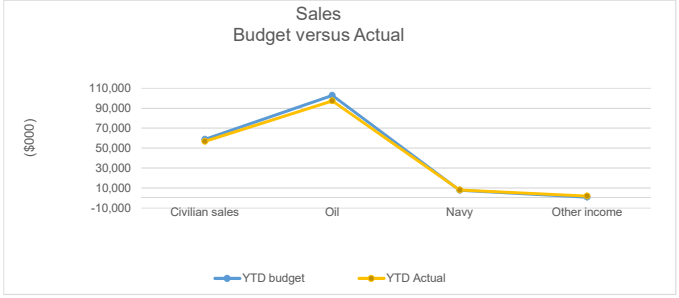
GPA-317Feb19

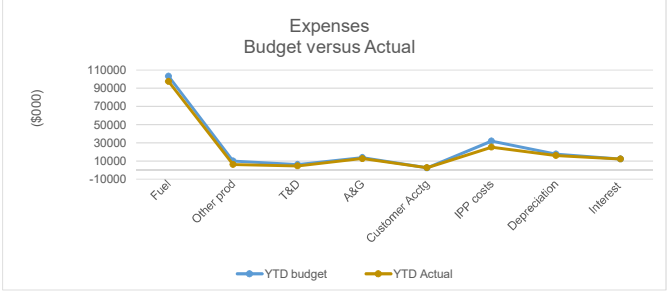
Guam Power Authority
Fuel Consumption
FY 2019

Description	February 2019 BARRELS	February 2019 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	123,314	$9,651,257	450,290	$ 34,968,250	1,198,594	$ 85,494,030
Diesel	53,371	$4,751,596	327,897	$ 31,641,763	864,735	$ 81,508,120
Low Sulfur	19,064	$1,613,633	342,921	$ 28,996,038	663,986	$ 49,918,362
Deferred Fuel Costs	0	$285,176	0	$ (4,680,981)	0	$ 1,339,122
Fuel Adjustments	0	$0		$ 49,334	0	$ (167,334)
Fuel Handling Costs	0	$1,066,094	0	$ 6,444,784	0	$ 16,288,459
	195,749	**$17,367,755**	**1,121,108**	**$ 97,419,188**	**2,727,316**	**$ 234,380,759**
IWPS:						
GPA RFO	123,314	$9,651,257	450,290	$ 34,968,250	1,198,594	$ 85,494,030
Diesel	53,371	$4,751,596	327,897	$ 31,641,763	864,735	$ 81,508,120
Low Sulfur	19,064	$1,613,633	342,921	$ 28,996,038	663,986	$ 49,918,362
Deferred Fuel Costs	0	$285,176	0	$ (4,680,981)	0	$ 1,339,122
Fuel Variance	0	$0	0	$ 49,334		$ (167,334)
Fuel Handling Costs	0	$1,066,094	0	$ 6,444,784	0	$ 16,288,459
	195,749	**$17,367,755**	**1,121,108**	**$ 97,419,188**	**2,727,316**	**$ 234,380,759**
AVERAGE COST/Bbl.						
GPA RFO		**$78.27**		**$77.66**		**$71.33**
Diesel		**$89.03**		**$96.50**		**$94.26**
Low Sulfur		**$84.64**		**$84.56**		**$75.18**
AS BURNED						
Cabras 1 & 2						
RFO	71,531	$ 5,598,975	368,375	$ 28,574,044	750,453	$ 54,447,715
Low Sulfur	14,797	$ 1,252,418	121,763	$ 10,222,878	309,335	$ 22,487,572
Diesel	274	$ 26,859	925	$ 90,737	2,901	$ 261,861
	86,602	$ 6,878,252	491,064	$ 38,887,659	1,062,690	$ 77,197,147
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	51,783	$ 4,052,282	81,915	$ 6,394,206	448,141	$ 31,046,315
Low Sulfur	4,268	$ 361,215	221,158	$ 18,773,161	354,650	$ 27,430,790
Diesel	0	$ -	8	$ 583	37	$ 2,647
	56,050	$ 4,413,497	303,081	$ 25,167,949	802,829	$ 58,479,752
Diesel & CT's - GPA:						
MDI Dsl	0	$ -	108	$ 8,132	2,237	$ 159,342
Macheche CT	10,688	$ 917,480	54,488	$ 5,235,529	119,933	$ 11,217,429
Yigo CT	9,681	$ 841,176	54,714	$ 5,245,931	129,304	$ 12,207,096
Talofofo 10 MW	1,684	$ 148,817	7,615	$ 697,902	21,383	$ 1,951,234
Aggreko	14,272	$ 1,248,874	92,902	$ 8,784,476	270,491	$ 25,395,840
Tenjo	3,470	$ 361,372	19,097	$ 2,022,254	62,613	$ 6,216,914
TEMES (IPP)	11,217	$ 992,967	77,345	$ 7,576,783	165,543	$ 15,768,975
GWA Generators	9	$ 1,112	213	$ 27,408	1,613	$ 191,945
	53,097	$ 4,724,737	326,963	$ 31,550,443	861,797	$ 81,243,612
Deferred Fuel Costs	0	$ 285,176		$ (4,680,981)		$ 1,339,122
Adjustment		$ -		$ 49,334		$ (167,334)
Fuel Handling Costs	0	$ 1,066,094		$ 6,444,784		$ 16,288,459
TOTAL	**195,749**	**$ 17,367,755**	**1,121,108**	**$ 97,419,188**	**2,727,316**	**$ 234,380,759**

Statement of operations
Comparison-Budget versus Actual
For the month and year to date ended February 28, 2019

	Budget	Actual February-19	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	95,681	98,072	-2,391	525,265	512,368	12,897
Non-fuel yield	$ 0.105717	$ 0.105096	$ 0.000621	$ 0.105717	$ 0.110934	$ (0.005217)
KwH Sales-Navy	22,094	24,518	-2,424	125,915	127,027	-1,112
Non-fuel yield	$ 0.062350	$ 0.065584	$ (0.003234)	$ 0.062350	$ 0.062404	$ (0.000054)
Operating revenue						
Civilian sales	$ 10,736	$ 10,307	$ 429	$ 58,950	$ 56,839	$ 2,111
Oil	20,718	17,368	3,350	102,991	97,420	5,571
Navy	1,378	1,608	(230)	7,851	7,927	(76)
Other income	168	188	(20)	842	2,043	(1,201)
	33,000	29,471	3,528	170,634	164,229	6,405
Bad debts expense	92	92	-	458	458	-
Total operating revenues	$ 32,908	$ 29,380	$ 3,528	$ 170,176	$ 163,771	$ 6,405
Operating expenses:						
Production fuel	$ 20,718	$ 17,368	$ 3,350	$ 102,991	$ 97,419	$ 5,572
O & M expenses:						
Other production	1,982	1,188	794	9,929	6,079	3,850
Transmission distribution	1,360	825	535	6,220	4,409	1,811
Administrative expense	2,581	2,567	14	13,570	12,594	976
Customer accounting	368	443	(75)	1,980	2,163	(183)
	6,291	5,022	1,268	31,698	25,244	6,454
IPP costs	1,347	973	374	6,737	6,885	(149)
Depreciation	3,501	3,131	370	17,507	15,864	1,642
	$ 31,857	$ 26,494	$ 5,363	$ 158,933	$ 145,413	$ 13,520
Operating income	$ 1,051	$ 2,886	$ (1,835)	$ 11,244	$ 18,359	$ (7,115)
Other revenue (expenses):						
Investment income	177	408	(231)	885	1,691	(806)
Interest expense	(2,414)	(2,438)	25	(12,228)	(12,042)	(186)
AFUDC	202	-	202	1,008	-	1,008
Bid bond forfeiture	-	-	-	-	(1,245)	1,245
Losses due to typhoon	-	(2)	2	-	(285)	285
Bond issuance costs/Other expenses	142	84	59	712	417	294
Net income before capital contribution	(842)	938	(1,780)	1,620	6,895	(5,276)
Grants from the U.S. Government	-	-	-	-	29	(29)
Increase (decrease) in net assets	$ (842)	$ 938	$ (1,780)	$ 1,620	$ 6,924	$ (5,305)





Guam Power Authority
Debt service coverage
February 28, 2019

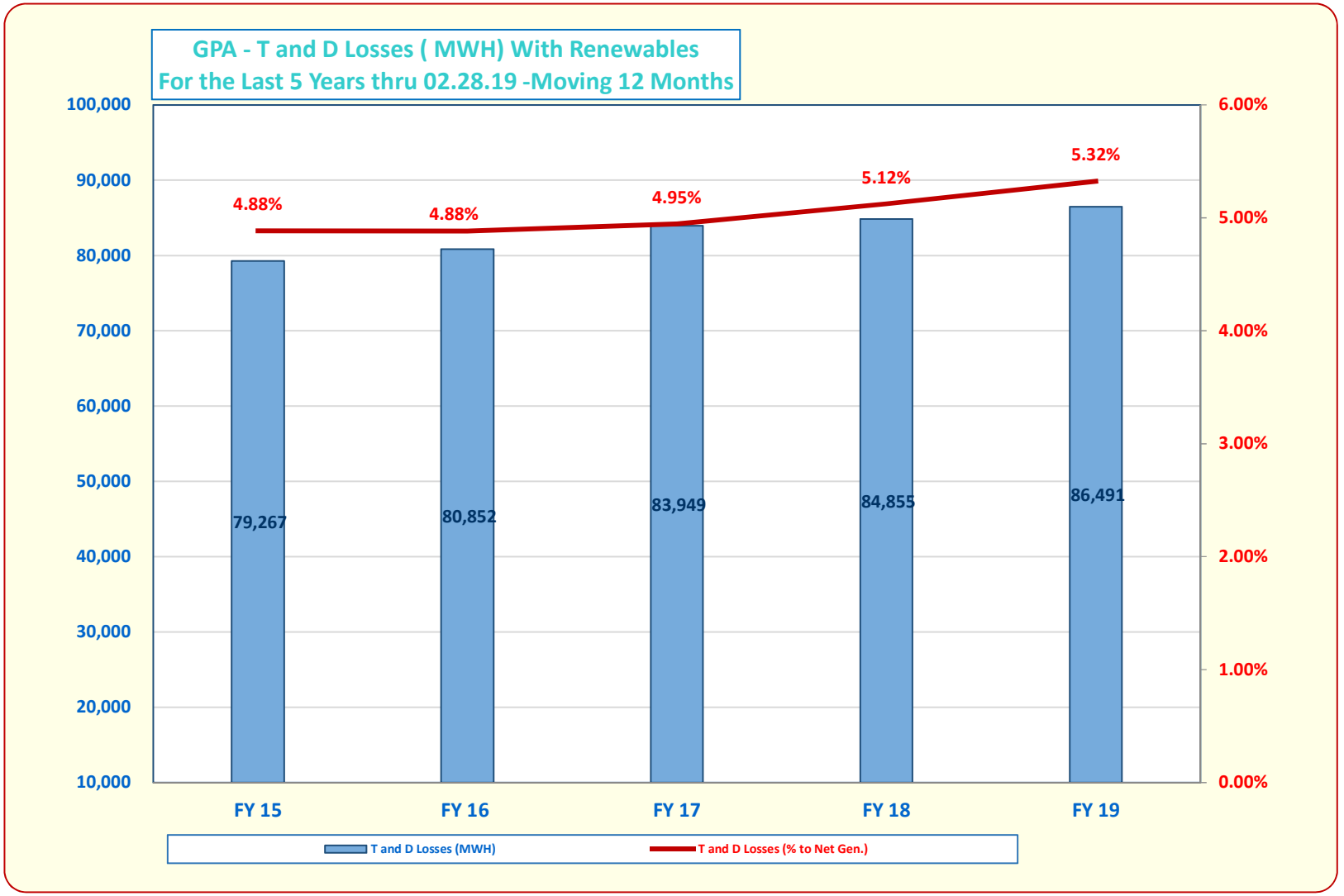
	2015	2016	Restated 2017	Unaudited 2018	YTD Unaudited 2019
Funds Available for Debt Service					
Earnings from Operations	$ 48,758	$ 37,981	$ 36,522	$ 40,725	$ 18,358
Interest Income	368	1,227	(32)	1,254	1,065
Depreciation Expense	41,766	44,240	44,292	38,550	15,864
Balance Available for Debt Service	$ 90,892	$ 83,448	$ 80,782	$ 80,529	$ 35,287
IPP - Capital Costs					
Principal	$ 18,144	$ 14,819	$ 21,263	$ 23,210	$ 9,068
Interest	8,478	5,970	5,137	3,159	540
Total IPP Payments	$ 26,622	$ 20,789	$ 26,400	$ 26,369	$ 9,608
Bond Debt Service					
Principal (1993 & 1999 Revenue Bond)	$ -	$ -	$ -	$ -	$ -
Interest (1993 & 1999 Revenue Bond)	-	-	-	-	-
Principal and Interest (2010 Subordinate Bond)	9,605	-	-	-	-
Principal and Interest (2010 Senior TE Bond)	7,999	7,999	7,999	2,000	-
Principal and Interest (2012 Senior TE Bond)	17,096	17,098	17,449	17,086	13,111
Principal and Interest (2014 Senior TE Bond)	-	10	5,084	5,083	2,118
Principal and Interest (2017 Senior TE Bond)				5,916	3,170
Total	$ 34,700	$ 25,107	$ 30,532	$ 30,086	$ 18,399
Debt Service Coverage (DSC) Calculation					
Existing DSC Methodology (Senior)	2.56 x	2.50 x	1.78 x	1.80 x	1.40 x
Existing DSC Methodology (Senior+Subordinate)	1.85 x	2.50 x	1.78 x	1.80 x	1.40 x
Bond Covenant DSC	2.62 x	3.32 x	2.65 x	2.68 x	1.92 x
Debt Service Coverage Requirements					
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75 x
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30 x
Minimum Bond Covenant Requirement (Subordinate Bond)	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x

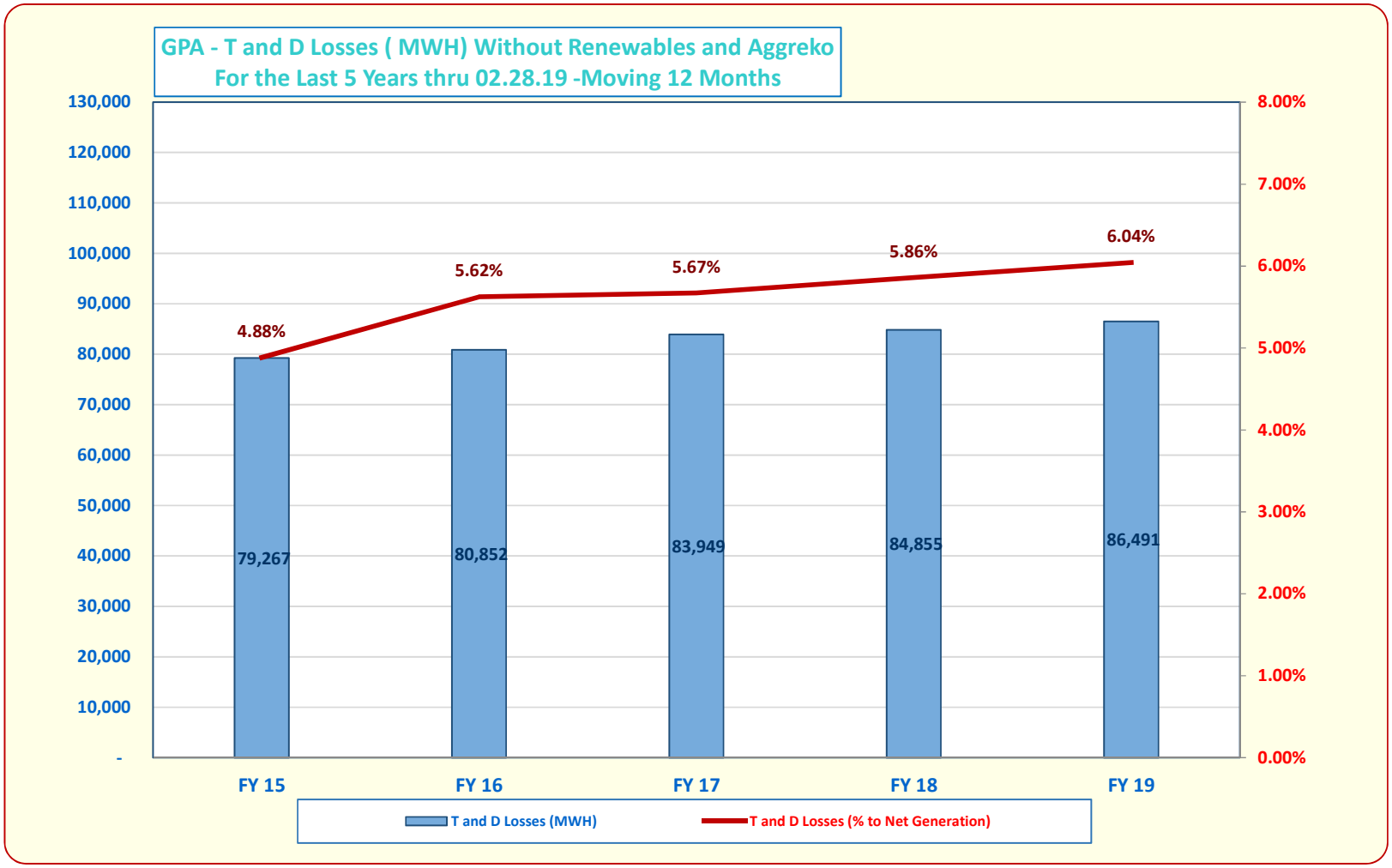
Notes:
(1) Source: Guam Power Authority, 2014 - 2017 Audited Financial Statements
(2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit.
(3) Existing DSC Methodology (Rating Agency Method):
(Operating Earnings + Depreciation Expense - IPP Principal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

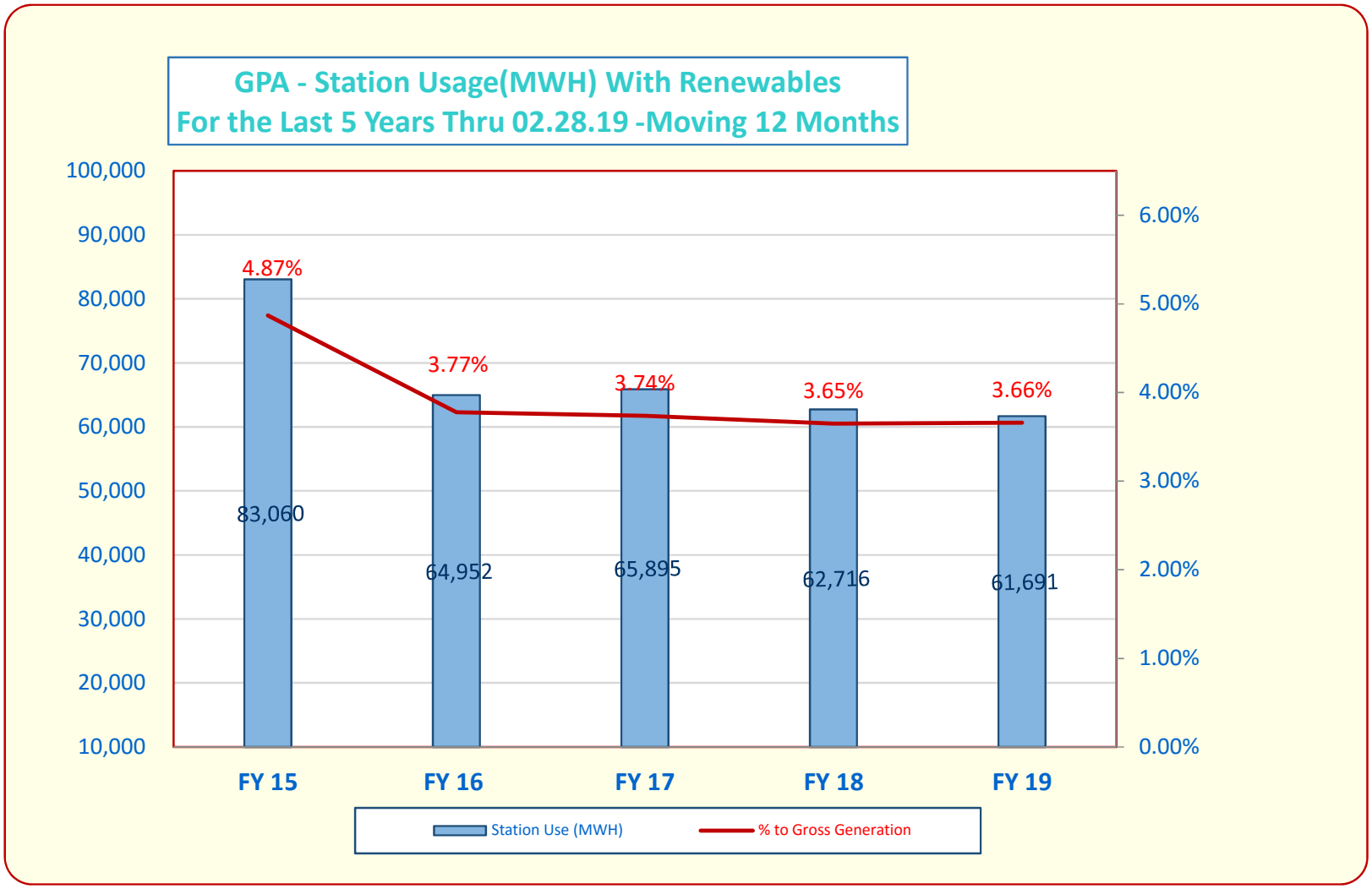
REVENUES-ACTUAL VS PROJECTIONS

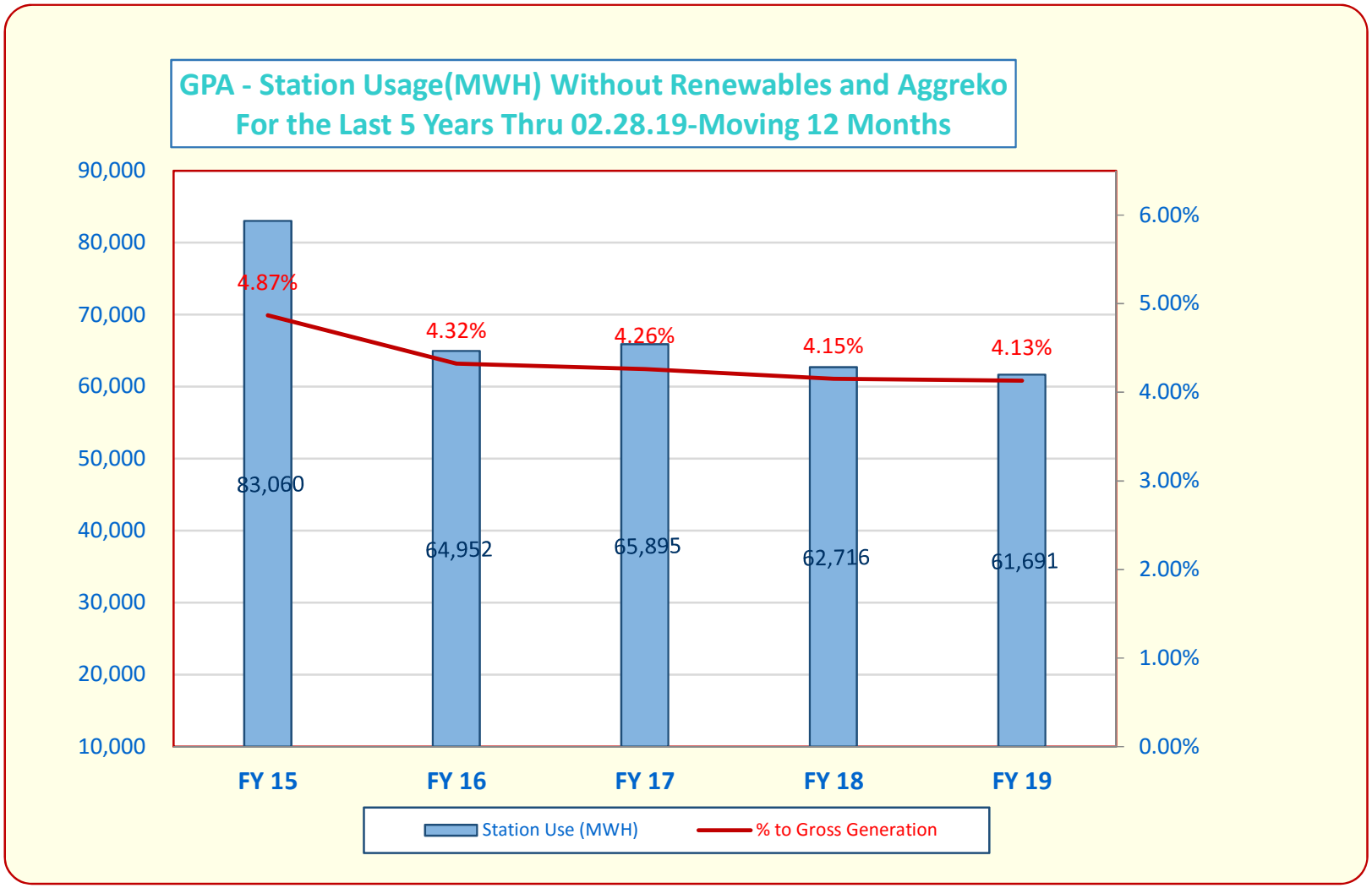
	MONTHLY - FEBRUARY 2019				YTD THRU 02/28/19			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	36,606,214	33,484,048	(3,122,165)	-8.53%	203,380,436	194,779,583	(8,600,853)	-4.23%
Small General-Non-Demand	6,629,649	5,421,847	(1,207,802)	-18.22%	34,512,953	32,046,336	(2,466,618)	-7.15%
Small General-Demand	13,611,171	13,414,678	(196,493)	-1.44%	75,455,322	74,453,401	(1,001,921)	-1.33%
Large	23,983,553	22,118,423	(1,865,130)	-7.78%	130,978,550	123,768,223	(7,210,327)	-5.50%
Independent Power Producers	41,906	25,891	(16,015)	-38.22%	228,859	156,894	(71,964)	-31.44%
Private St. Lites	27,240	32,766	5,527	20.29%	177,481	166,560	(10,921)	-6.15%
Sub-total	**80,899,733**	**74,497,653**	**(6,402,080)**	**-7.91%**	**444,733,601**	**425,370,997**	**(19,362,604)**	**-4.35%**
Government								
Small_Non Demand	1,038,279	1,019,279	(19,001)	-1.83%	5,748,879	5,633,133	(115,746)	-2.01%
Small-Demand	7,328,290	7,207,579	(120,710)	-1.65%	39,971,230	38,912,212	(1,059,018)	-2.65%
Large	5,766,636	5,273,740	(492,896)	-8.55%	31,024,796	29,499,912	(1,524,884)	-4.92%
Public St. Lites	647,677	791,792	144,115	22.25%	3,786,377	3,670,051	(116,326)	-3.07%
Sub-total	**14,780,882**	**14,292,390**	**(488,492)**	**-3.30%**	**80,531,281**	**77,715,308**	**(2,815,974)**	**-3.50%**
Total-Civilian	**95,680,615**	**88,790,044**	**(6,890,571)**	**-7.20%**	**525,264,882**	**503,086,304**	**(22,178,578)**	**-4.22%**
USN	22,094,184	22,368,909	274,725	1.24%	125,914,696	124,878,250	(1,036,446)	-0.82%
Grand Total	**117,774,799**	**111,158,952**	**(6,615,846)**	**-5.62%**	**651,179,578**	**627,964,554**	**(23,215,024)**	**-3.57%**
					-	-		
Non-Oil Yield								
Residential	0.096102	0.099345	0.003243	3.37%	0.096102	0.096464	0.000362	0.38%
Small General-Non-Demand	0.136352	0.140767	0.004415	3.24%	0.136352	0.138486	0.002134	1.56%
Small General-Demand	0.119289	0.122701	0.003412	2.86%	0.119289	0.120858	0.001569	1.32%
Large	0.103671	0.107736	0.004065	3.92%	0.103671	0.104333	0.000662	0.64%
Independent Power Producers	0.120485	0.147794	0.027309	0.00%	0.120485	0.133940	0.013455	0.00%
Private St. Lites	0.568458	0.632666	0.064208	11.30%	0.568458	0.626051	0.057593	10.13%
Sub-total	**0.105717**	**0.109308**	**0.003591**	**3.40%**	**0.105590**	**0.106410**	**0.000821**	**0.78%**
Government					-			
Small_Non Demand	0.150024	0.151044	0.001020	0.68%	0.150024	0.150450	0.000426	0.28%
Small-Demand	0.134359	0.132392	(0.001967)	-1.46%	0.134359	0.133230	(0.001129)	-0.84%
Large	0.126658	0.130576	0.003918	3.09%	0.126658	0.124806	(0.001852)	-1.46%
Public St. Lites	0.482817	0.463137	(0.019680)	-4.08%	0.482817	0.507215	0.024398	5.05%
Sub-total	**0.147724**	**0.151375**	**0.003652**	**2.47%**	**0.148894**	**0.148942**	**0.000048**	**0.03%**
Total-Civilian	**0.175911**	**0.116079**	**(0.059832)**	**-34.01%**	**0.158189**	**0.112980**	**(0.045209)**	**-28.58%**
USN	0.062350	0.071893	0.009543	15.30%	0.062350	0.063478	0.001128	1.81%
Grand Total	**0.102854**	**0.107188**	**0.004334**	**4.21%**	**0.102584**	**0.103136**	**0.000552**	**0.54%**
Non-Oil Revenues								
Residential	3,517,930	3,326,470	(191,460)	-5.44%	19,545,267	18,789,170	(756,096)	-3.87%
Small General-Non-Demand	903,966	763,218	(140,748)	-15.57%	4,705,910	4,437,959	(267,951)	-5.69%
Small General-Demand	1,623,663	1,645,996	22,333	1.38%	9,000,990	8,998,318	(2,672)	-0.03%
Large	2,486,399	2,382,941	(103,458)	-4.16%	13,578,677	12,913,144	(665,534)	-4.90%
Independent Power Producers	5,049	3,827	(1,223)	-24.21%	27,574	21,014	(6,560)	-23.79%
Private St. Lites	15,485	20,730	5,245	33.88%	100,891	104,275	3,384	3.35%
Sub-total	**8,552,492**	**8,143,182**	**(409,310)**	**-4.79%**	**46,959,309**	**45,263,880**	**(1,695,428)**	**-3.61%**
Government								
Small_Non Demand	155,767	153,956	(1,811)	-1.16%	862,470	847,503	(14,967)	-1.74%
Small-Demand	984,622	954,228	(30,393)	-3.09%	5,370,495	5,184,270	(186,225)	-3.47%
Large	730,391	688,624	(41,767)	-5.72%	3,929,539	3,681,769	(247,770)	-6.31%
Public St. Lites	312,710	366,708	53,999	17.27%	1,828,127	1,861,505	33,378	1.83%
Sub-total	**2,183,489**	**2,163,516**	**(19,973)**	**-0.91%**	**11,990,630**	**11,575,047**	**(415,583)**	**-3.47%**
Total-Civilian	**10,735,980**	**10,306,698**	**(429,282)**	**-4.00%**	**58,949,939**	**56,838,927**	**(2,111,011)**	**-3.58%**
USN	1,377,572	1,608,159	230,587	16.74%	7,850,781	7,927,030	76,249	0.97%
Grand Total	**12,113,553**	**11,914,857**	**(198,696)**	**-1.64%**	**66,800,720**	**64,765,958**	**(2,034,762)**	**-3.05%**
% of Total Revenues	36.90%	40.69%			39.34%	39.93%		
Oil Revenues								
Residential	6,439,449	5,164,647	(1,274,803)	-19.80%	32,163,039	30,043,192	(2,119,846)	-6.59%
Small General-Non-Demand	1,166,231	836,276	(329,954)	-28.29%	5,467,007	4,942,891	(524,116)	-9.59%
Small General-Demand	2,394,360	2,068,208	(326,152)	-13.62%	11,933,325	11,478,975	(454,350)	-3.81%
Large	4,218,980	3,395,696	(823,284)	-19.51%	20,722,102	19,000,347	(1,721,755)	-8.31%
Independent Power Producers	7,372	3,855	(3,516)	-47.70%	36,208	23,346	(12,862)	-35.52%
Private St. Lites	4,792	5,054	262	5.47%	27,965	25,691	(2,275)	-8.13%
Sub-total	**14,231,183**	**11,473,736**	**(2,757,447)**	**-19.38%**	**70,349,646**	**65,514,442**	**(4,835,205)**	**-6.87%**
Government								
Small_Non Demand	182,645	157,216	(25,430)	-13.92%	909,217	868,866	(40,352)	-4.44%
Small-Demand	1,289,129	1,111,711	(177,418)	-13.76%	6,324,042	6,001,897	(322,145)	-5.09%
Large	1,014,417	803,651	(210,766)	-20.78%	4,910,286	4,495,159	(415,127)	-8.45%
Public St. Lites	113,934	122,128	8,194	7.19%	598,053	566,076	(31,977)	-5.35%
Sub-total	**2,600,125**	**2,194,706**	**(405,419)**	**-15.59%**	**12,741,598**	**11,931,998**	**(809,600)**	**-6.35%**
Total-Civilian	**16,831,308**	**13,668,442**	**(3,162,866)**	**-18.79%**	**83,091,245**	**77,446,439**	**(5,644,805)**	**-6.79%**
USN	3,886,618	3,699,314	(187,304)	-4.82%	19,900,102	19,972,751	72,649	0.37%
Grand Total	**20,717,926**	**17,367,757**	**(3,350,170)**	**-16.17%**	**102,991,346**	**97,419,190**	**(5,572,156)**	**-5.41%**
% of Total Revenues	63.10%	59.31%			60.66%	60.07%		
Grand Total								
Residential	9,957,380	8,491,117	(1,466,263)	-14.73%	51,708,306	48,832,363	(2,875,943)	-5.56%
Small General-Non-Demand	2,070,197	1,599,494	(470,702)	-22.74%	10,172,918	9,380,850	(792,068)	-7.79%
Small General-Demand	4,018,023	3,714,204	(303,819)	-7.56%	20,934,315	20,477,293	(457,022)	-2.18%
Large	6,705,379	5,778,637	(926,741)	-13.82%	34,300,779	31,913,490	(2,387,289)	-6.96%
Independent Power Producers	12,421	7,682	(4,739)	-38.15%	63,782	44,360	(19,422)	-30.45%
Private St. Lites	20,276	25,784	5,508	27.16%	128,856	129,966	1,110	0.86%
Sub-total	**22,783,675**	**19,616,918**	**(3,166,757)**	**-13.90%**	**117,308,955**	**110,778,322**	**(6,530,633)**	**-5.57%**
Government					-			
Small_Non Demand	338,412	311,171	(27,241)	-8.05%	1,771,687	1,716,369	(55,318)	-3.12%
Small-Demand	2,273,751	2,065,940	(207,811)	-9.14%	11,694,536	11,186,167	(508,369)	-4.35%
Large	1,744,807	1,492,275	(252,533)	-14.47%	8,839,825	8,176,928	(662,897)	-7.50%
Public St. Lites	426,643	488,836	62,192	14.58%	2,426,180	2,427,582	1,401	0.06%
Sub-total	**4,783,614**	**4,358,222**	**(425,392)**	**-8.89%**	**24,732,228**	**23,507,045**	**(1,225,183)**	**-4.95%**
Total-Civilian	**27,567,289**	**23,975,140**	**(3,592,149)**	**-13.03%**	**142,041,183**	**134,285,367**	**(7,755,817)**	**-5.46%**
USN	5,264,190	5,307,473	43,283	0.82%	27,750,883	27,899,781	148,898	0.54%
Grand Total	**32,831,479**	**29,282,614**	**(3,548,866)**	**-10.81%**	**169,792,066**	**162,185,148**	**(7,606,919)**	**-4.48%**
	-	-	-					

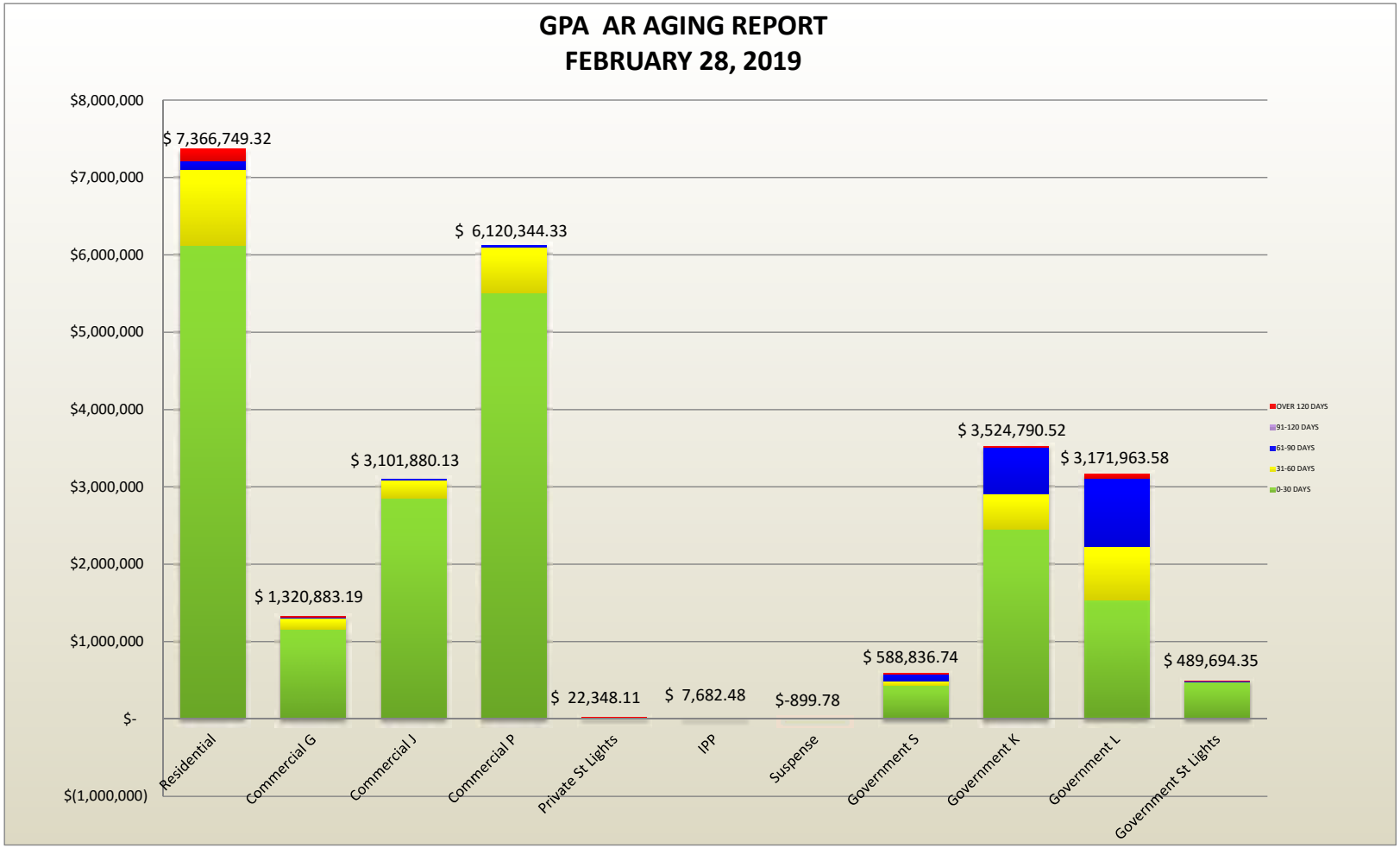
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 5 MONTHS ENDED FEBRUARY 28				ACTUALS - MONTH ENDED FEBRUARY 28			
	2019	2018	VARIANCE	% VARIANCE	2019	2018	VARIANCE	% VARIANCE
KWH								
Residential	194,779,583	207,254,376	(12,474,794)	-6.02%	33,484,048	36,809,815	(3,325,767)	-9.03%
Small General-Non-Demand	32,046,336	34,082,288	(2,035,953)	-5.97%	5,421,847	6,154,115	(732,268)	-11.90%
Small General-Demand	74,453,401	77,157,122	(2,703,721)	-3.50%	13,414,678	14,164,319	(749,641)	-5.29%
Large	123,768,223	130,253,282	(6,485,059)	-4.98%	22,118,423	23,674,407	(1,555,983)	-6.57%
Independent Power Producers	156,894	282,194	(125,300)	-44.40%	25,891	28,976	(3,085)	-10.65%
Private St. Lites	166,560	168,787	(2,227)	-1.32%	32,766	32,408	358	1.11%
Sub-total	**425,370,997**	**449,198,050**	**(23,827,053)**	**-5.30%**	**74,497,653**	**80,864,040**	**(6,366,386)**	**-7.87%**
Government								
Small_Non Demand	5,633,133	6,146,591	(513,458)	-8.35%	1,019,279	1,119,571	(100,292)	-8.96%
Small-Demand	38,912,212	39,926,301	(1,014,089)	-2.54%	7,207,579	7,377,578	(169,999)	-2.30%
Large	29,499,912	32,002,581	(2,502,669)	-7.82%	5,273,740	5,905,830	(632,090)	-10.70%
Public St. Lites	3,670,051	3,565,091	104,960	2.94%	791,792	669,689	122,103	18.23%
Sub-total	**77,715,308**	**81,640,563**	**(3,925,255)**	**-4.81%**	**14,292,390**	**15,072,669**	**(780,278)**	**-5.18%**
Total-Civilian	**503,086,304**	**530,838,612**	**(27,752,308)**	**-5.23%**	**88,790,044**	**95,936,708**	**(7,146,664)**	**-7.45%**
USN	124,878,250	130,177,731	(5,299,481)	-4.07%	22,368,909	23,304,608	(935,700)	-4.02%
Grand Total	**627,964,554**	**661,016,343**	**(33,051,789)**	**-5.00%**	**111,158,952**	**119,241,316**	**(8,082,364)**	**-6.78%**
Non-Oil Yield								
Residential	0.096464	0.096086	0.000378	0.39%	0.099345	0.097038	0.002307	2.38%
Small General-Non-Demand	0.138486	0.136609	0.001876	1.37%	0.140767	0.138821	0.001947	1.40%
Small General-Demand	0.120858	0.119915	0.000943	0.79%	0.122701	0.121731	0.000970	0.80%
Large	0.104333	0.103472	0.000862	0.83%	0.107736	0.107082	0.000654	0.61%
Independent Power Producers	0.133940	0.106729	0.027211	25.50%	0.147794	0.132878	0.014916	11.23%
Private St. Lites	0.626051	0.629863	-0.003813	-0.61%	0.632666	0.646774	-0.014109	-2.18%
Sub-total	**0.106410**	**0.105602**	**0.000808**	**0.77%**	**0.109308**	**0.107717**	**0.001591**	**1.48%**
Government								
Small_Non Demand	0.150450	0.149731	0.000719	0.48%	0.151044	0.152035	-0.000991	-0.65%
Small-Demand	0.133230	0.134012	-0.000782	-0.58%	0.132392	0.136597	-0.004204	-3.08%
Large	0.124806	0.126341	-0.001535	-1.21%	0.130576	0.130201	0.000375	0.29%
Public St. Lites	0.507215	0.479586	0.027629	5.76%	0.463137	0.509748	-0.046611	-9.14%
Sub-total	**0.148942**	**0.147279**	**0.001663**	**1.13%**	**0.151375**	**0.151817**	**-0.000441**	**-0.29%**
Total-Civilian	**0.112980**	**0.112012**	**0.000968**	**0.86%**	**0.116079**	**0.114645**	**0.001434**	**1.25%**
USN	0.063478	0.061576	0.001902	3.09%	0.071893	0.065343	0.006550	10.02%
Grand Total	**0.103136**	**0.102079**	**0.001057**	**1.04%**	**0.107188**	**0.105010**	**0.002178**	**2.07%**
Non-Oil Revenues								
Residential	18,789,170	19,914,164	(1,124,993)	-5.65%	3,326,470	3,571,959	(245,489)	-6.87%
Small General-Non-Demand	4,437,959	4,655,958	(217,999)	-4.68%	763,218	854,318	(91,100)	-10.66%
Small General-Demand	8,998,318	9,252,332	(254,015)	-2.75%	1,645,996	1,724,241	(78,245)	-4.54%
Large	12,913,144	13,477,504	(564,360)	-4.19%	2,382,941	2,535,100	(152,159)	-6.00%
Independent Power Producers	21,014	30,118	(9,104)	-30.23%	3,827	3,850	(24)	-0.62%
Private St. Lites	104,275	106,313	(2,038)	-1.92%	20,730	20,961	(231)	-1.10%
Sub-total	**45,263,880**	**47,436,389**	**(2,172,509)**	**-4.58%**	**8,143,182**	**8,710,429**	**(567,246)**	**-6.51%**
Government								
Small_Non Demand	847,503	920,335	(72,832)	-7.91%	153,956	170,214	(16,258)	-9.55%
Small-Demand	5,184,270	5,350,597	(166,328)	-3.11%	954,228	1,007,753	(53,525)	-5.31%
Large	3,681,769	4,043,227	(361,458)	-8.94%	688,624	768,942	(80,319)	-10.45%
Public St. Lites	1,861,505	1,709,767	151,739	8.87%	366,708	341,373	25,335	7.42%
Sub-total	**11,575,047**	**12,023,927**	**(448,880)**	**-3.73%**	**2,163,516**	**2,288,282**	**(124,767)**	**-5.45%**
Total-Civilian	**56,838,927**	**59,460,316**	**(2,621,388)**	**-4.41%**	**10,306,698**	**10,998,711**	**(692,013)**	**-6.29%**
USN	7,927,030	8,015,843	(88,813)	-1.11%	1,608,159	1,522,793	85,366	5.61%
Grand Total	**64,765,958**	**67,476,159**	**(2,710,201)**	**-4.02%**	**11,914,857**	**12,521,504**	**(606,647)**	**-4.84%**
% of Total Revenues								
Oil Revenues								
Residential	30,043,192	26,125,866	3,917,326	14.99%	5,164,647	6,061,473	(896,826)	-14.80%
Small General-Non-Demand	4,942,891	4,302,989	639,902	14.87%	836,276	1,015,340	(179,063)	-17.64%
Small General-Demand	11,478,975	9,695,613	1,783,362	18.39%	2,068,208	2,282,708	(214,501)	-9.40%
Large	19,000,347	16,034,429	2,965,918	18.50%	3,395,696	3,551,586	(155,890)	-4.39%
Independent Power Producers	23,346	32,925	(9,580)	-29.09%	3,855	4,118	(263)	-6.39%
Private St. Lites	25,691	20,827	4,864	23.35%	5,054	4,773	281	5.90%
Sub-total	**65,514,442**	**56,212,649**	**9,301,793**	**16.55%**	**11,473,736**	**12,919,999**	**(1,446,263)**	**-11.19%**
Government								
Small_Non Demand	868,866	756,682	112,183	14.83%	157,216	164,912	(7,696)	-4.67%
Small-Demand	6,001,897	4,918,037	1,083,860	22.04%	1,111,711	1,086,466	25,245	2.32%
Large	4,495,159	3,894,080	601,079	15.44%	803,651	859,355	(55,704)	-6.48%
Public St. Lites	566,076	439,463	126,613	28.81%	122,128	98,622	23,505	23.83%
Sub-total	**11,931,998**	**10,008,262**	**1,923,736**	**19.22%**	**2,194,706**	**2,209,355**	**(14,650)**	**-0.66%**
Total-Civilian	**77,446,439**	**66,220,911**	**11,225,528**	**16.95%**	**13,668,442**	**15,129,354**	**(1,460,912)**	**-9.66%**
USN	19,972,751	14,921,323	5,051,428	33.85%	3,699,314	2,633,181	1,066,133	40.49%
Grand Total	**97,419,190**	**81,142,234**	**16,276,956**	**20.06%**	**17,367,757**	**17,762,536**	**(394,779)**	**-2.22%**
% of Total Revenues								
Grand Total								
Residential	48,832,363	46,040,029	2,792,333	6.07%	8,491,117	9,633,432	(1,142,315)	-11.86%
Small General-Non-Demand	9,380,850	8,958,947	421,903	4.71%	1,599,494	1,869,658	(270,163)	-14.45%
Small General-Demand	20,477,293	18,947,946	1,529,347	8.07%	3,714,204	4,006,949	(292,745)	-7.31%
Large	31,913,490	29,511,932	2,401,558	8.14%	5,778,637	6,086,686	(308,049)	-5.06%
Independent Power Producers	44,360	63,044	(18,684)	-29.64%	7,682	7,969	(287)	-3.60%
Private St. Lites	129,966	127,140	2,826	2.22%	25,784	25,733	51	0.20%
Sub-total	**110,778,322**	**103,649,038**	**7,129,284**	**6.88%**	**19,616,918**	**21,630,428**	**(2,013,509)**	**-9.31%**
Government								
Small_Non Demand	1,716,369	1,677,018	39,351	2.35%	311,171	335,126	(23,954)	-7.15%
Small-Demand	11,186,167	10,268,634	917,533	8.94%	2,065,940	2,094,220	(28,280)	-1.35%
Large	8,176,928	7,937,307	239,621	3.02%	1,492,275	1,628,297	(136,022)	-8.35%
Public St. Lites	2,427,582	2,149,230	278,351	12.95%	488,836	439,995	48,840	11.10%
Sub-total	**23,507,045**	**22,032,189**	**1,474,856**	**6.69%**	**4,358,222**	**4,497,638**	**(139,416)**	**-3.10%**
Total-Civilian	**134,285,367**	**125,681,227**	**8,604,140**	**6.85%**	**23,975,140**	**26,128,065**	**(2,152,925)**	**-8.24%**
USN	27,899,781	22,937,166	4,962,615	21.64%	5,307,473	4,155,974	1,151,499	27.71%
Grand Total	**162,185,148**	**148,618,393**	**13,566,755**	**9.13%**	**29,282,614**	**30,284,040**	**(1,001,426)**	**-3.31%**


GPA - T and D Losses (MWH) With Renewables
For the Last 5 Years thru 02.28.19 -Moving 12 Months
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%
4.88%
4.88%
4.95%
5.12%
5.32%
79,267
80,852
83,949
84,855
86,491
FY 15
FY 16
FY 17
FY 18
FY 19
T and D Losses (MWH)
T and D Losses (% to Net Gen.)


GPA - T and D Losses (MWH) Without Renewables and Aggreko
For the Last 5 Years thru 02.28.19 -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%
4.88%
5.62%
5.67%
5.86%
6.04%
79,267
80,852
83,949
84,855
86,491
FY 15
FY 16
FY 17
FY 18
FY 19
T and D Losses (MWH)
T and D Losses (% to Net Generation)


GPA - Station Usage(MWH) With Renewables
For the Last 5 Years Thru 02.28.19 -Moving 12 Months
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%
4.87%
3.77%
3.74%
3.65%
3.66%
83,060
64,952
65,895
62,716
61,691
FY 15
FY 16
FY 17
FY 18
FY 19
Station Use (MWH)
% to Gross Generation


GPA - Station Usage(MWH) Without Renewables and Aggreko
For the Last 5 Years Thru 02.28.19-Moving 12 Months
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%
4.87%
4.32%
4.26%
4.15%
4.13%
83,060
64,952
65,895
62,716
61,691
FY 15
FY 16
FY 17
FY 18
FY 19
Station Use (MWH)
% to Gross Generation


GPA AR AGING REPORT
FEBRUARY 28, 2019
$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)
$ 7,366,749.32
$ 1,320,883.19
$ 3,101,880.13
$ 6,120,344.33
$ 22,348.11
$ 7,682.48
$-899.78
$ 588,836.74
$ 3,524,790.52
$ 3,171,963.58
$ 489,694.35
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
31-60 DAYS
0-30 DAYS

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

Issues for Decision

Resolution No. 2019-05:

Relative to Increasing GPA's Renewable Portfolio Standard (RPS) to 50% by 2035

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

This resolution seeks approval to increase the Authority's RPS from 25% to 50% for the following reasons:

- **GPA and CCU have discussed this move internally and at various public hearings since it signed the Phase II Renewable Energy Acquisition contracts for 120 MW of additional solar PV while at the same time launching Phase III IFB for an additional 40 MW;**
- **GPA has completed its Renewable Integration Study supporting the technical feasibility of integrating 50% of renewable energy into GPA's grid once the recommended projects are completed;**
- **GPA's renewable strategy has been to ride the technology capability curve up while riding the price cost curve down. Phase II Renewable Energy Prices are expected to be below current LEAC rates;**
- **Bill No. 80-35 (COR) moves to increase the Guam RPS (Public Law 29-62) from 25% to 50% of GPA net electricity sales by 2035; Bill 80-35 is sponsored by Senators Amanda Shelton and Clynt Ridgell.**

This project is necessary and urgent. The Federal Investment Tax Credit declines from 30% in 2019 to 26% in 2020, 22% in 2021, and 10% in 2022.

How much will it cost?

Renewable Energy Projects and Power Purchase Agreements must be economically feasible and cost less than GPA's avoided costs.

When will it be completed?

Prior to 2035

What is its funding source?

The Levelized Energy Adjustment Clause

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

RESOLUTION NO. 2019-05

RELATIVE TO INCREASING GPA'S RENEWABLE PORTFOLIO STANDARD (RPS) TO 50% BY 2035

WHEREAS, Guam Public Law 29-62 established Guam's Renewable Portfolio Standard (RPS) with the ultimate RPS goal of 25% of GPA net sales to come from renewable energy by 2035; and,

WHEREAS, GPA will attain and surpass this RPS goal by 2021; and,

WHEREAS, GPA has completed its Renewable Integration Study supporting the technical feasibility of integrating 50% of renewable energy into GPA's grid once the recommended infrastructure projects are completed; and,

WHEREAS, GPA has begun developing its implementation plan and Phase IV Renewable Energy Acquisition multi-step bid procurement documents; and,

WHEREAS, GPA intends to seek the approvals of the Consolidated Commission on Utilities (CCU) and the Guam Public Utilities Commission (PUC) in 2019 to pursue additional renewables which may be as much as 200 MW; and,

WHEREAS, Bill No. 80-35 (COR) sponsored by Senators Amanda Shelton and Clynt Ridgell seeks to increase the Guam RPS from 25% to 50% of GPA net electricity sales by 2035; and,

WHEREAS, GPA has recommended a move to 50% renewables in internal and publicly held meetings; and,

WHEREAS, GPA management recommends supporting Bill No. 80-35 (COR).

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

1. The CCU supports the intent of Bill No. 80-35 (COR) to set the RPS at 50% by 2035.

2. The General Manager is directed to continue to work expeditiously to provide CCU the infrastructure upgrades necessary and the renewable projects it recommends would attain 50% renewables.

3. The General Manager is authorized to support Bill No. 80-35 (COR).

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

DULY and REGULARY ADOPTED this 25th day of APRIL 2019.

Certified by:	**Attested by:**
JOSEPH T. DUENAS **CHAIRMAN**	**MICHAEL T. LIMTIACO** **SECRETARY**

SECRETARY'S CERTIFICATE

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

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

GUAM WATERWORKS AUTHORITY

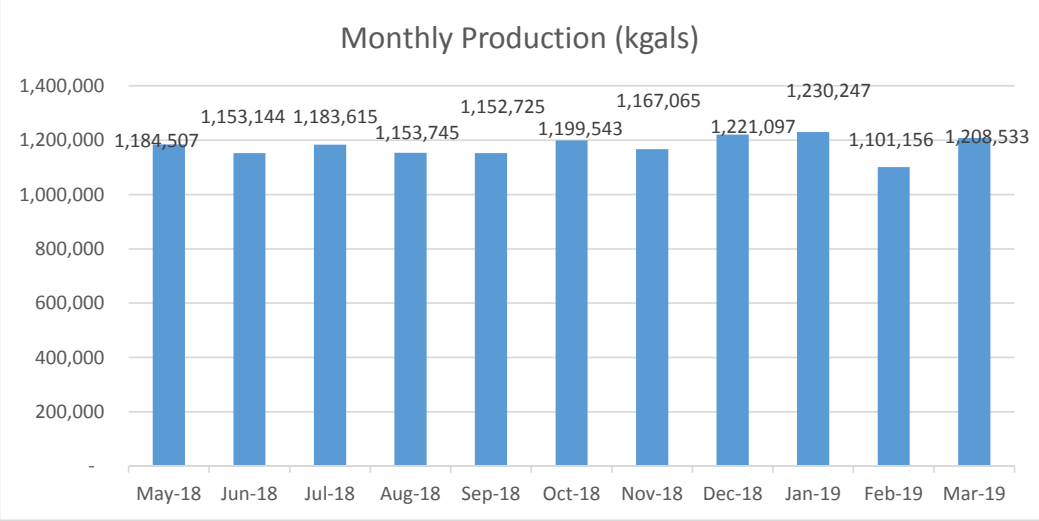
Management Report
GWA CCU Meeting, April 25, 2019

Operations Update

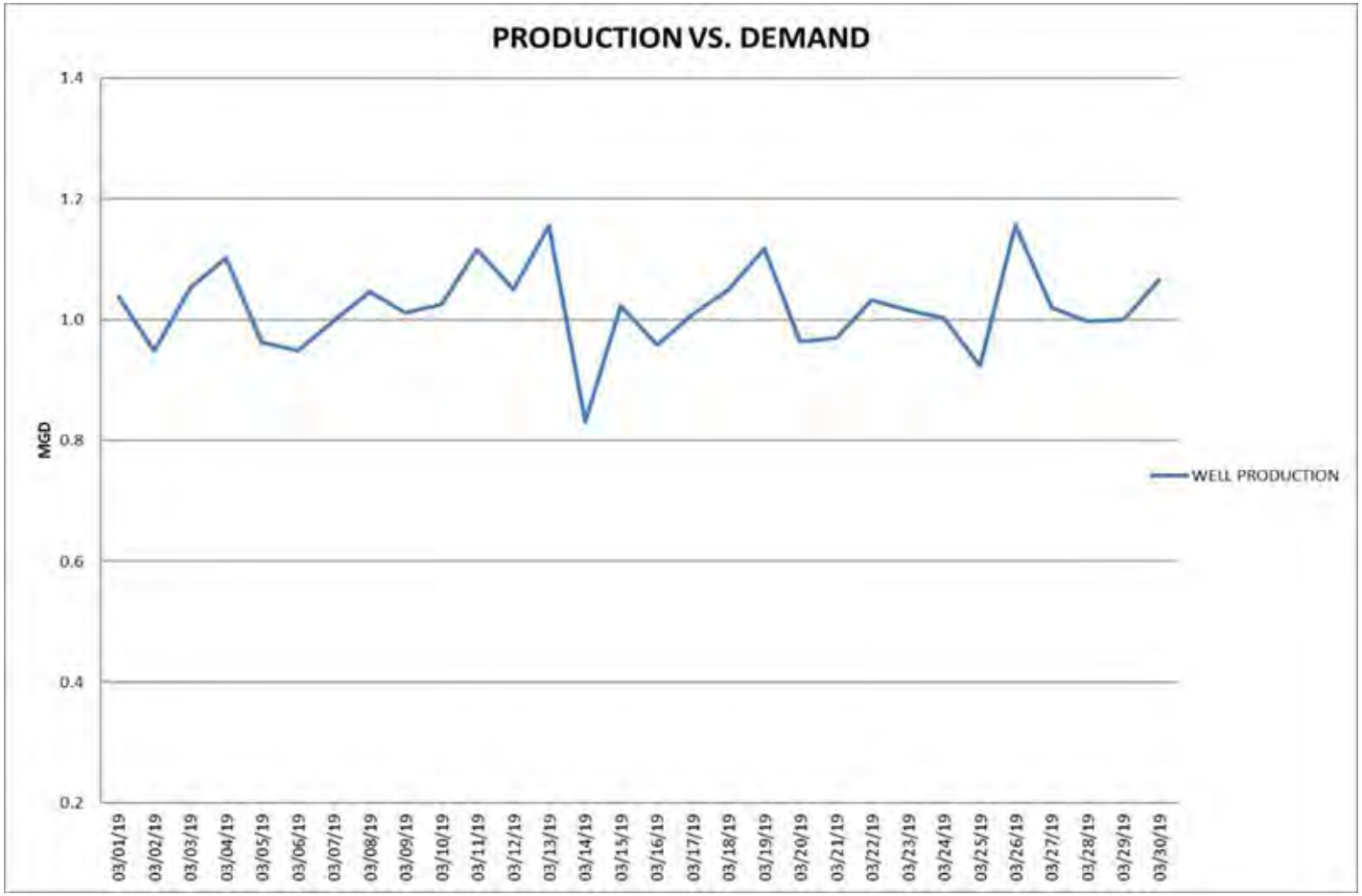
Production (March 2019)

Monthly Production Summary - March 2019					
Deep Wells				35.9	MGD
	Active wells =	96	of 120		
	Avg days in operation =	31	days		
	Total Production =	1,113,936	Kgals		
Springs				0.00	MGD
	Avg days in operation =	0	days	*placed on standby	
	Total Production =	0	Kgals		
Ugum Surface Water Plant				2.0	MGD
	Avg days in operation =	31	days		
	Total Production =	63,187	Kgals		
Tumon Maui Well				1.01	MGD
	Avg days in operation =	31	days		
	Total Production =	31,410	Kgals		
		1,208,533	Kgals	39.0	MGD

DW Status as of 3/31/2019	
Active	**96**
Grounded motor or Pump Failure	**8**
Out of commission	**9**
Secured, PFOs	**2**
Standby	**5**
TOTAL	**120**



Tumon Maui Well Production (March 2019)

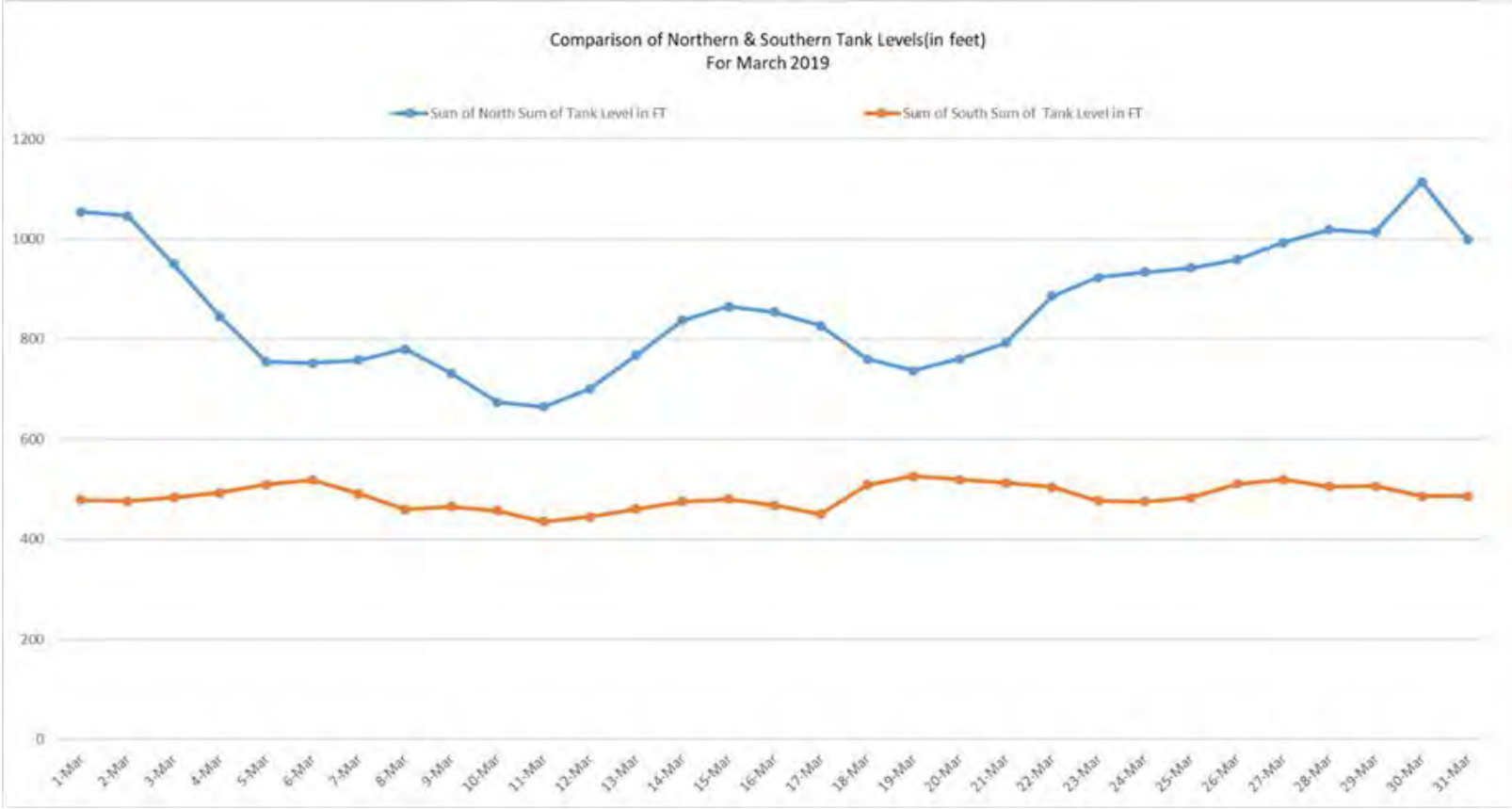


Distribution (March 2019)

Monthly Distribution Summary - March 2019					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	20	18	90.0%
	Central	7	15	15	100.0%
	Southern	7	15	15	100.0%
		25	50	48	96.0%



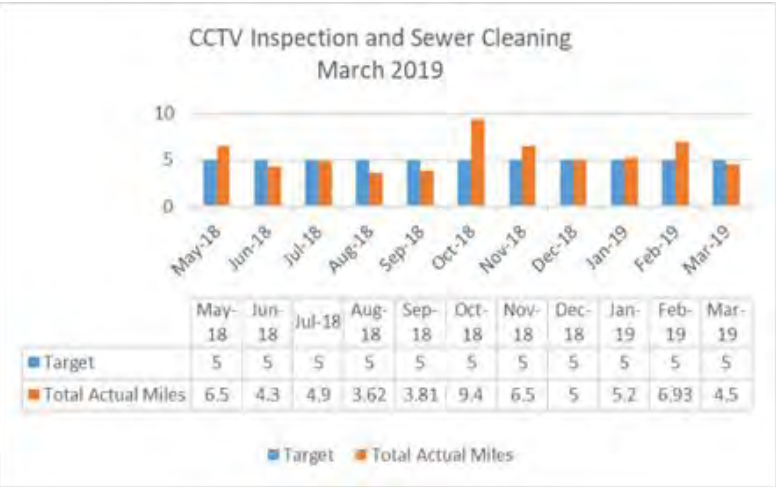
Distribution – Tank Levels (March 2019)



Wastewater Collections (March 2019)

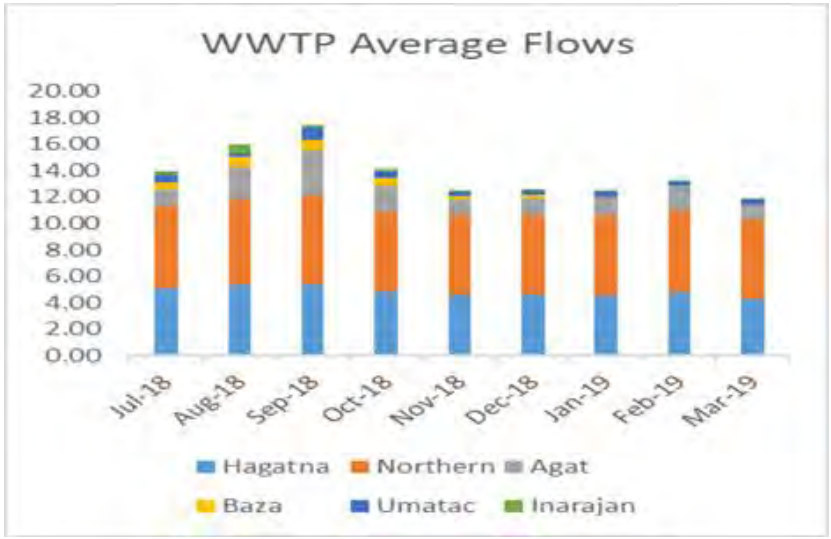
Monthly Collections Summary - March 2019					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	43	82.7%
	Central	29	64	56	87.5%
	Southern	25	61	54	88.5%
		76	177	153	86.4%



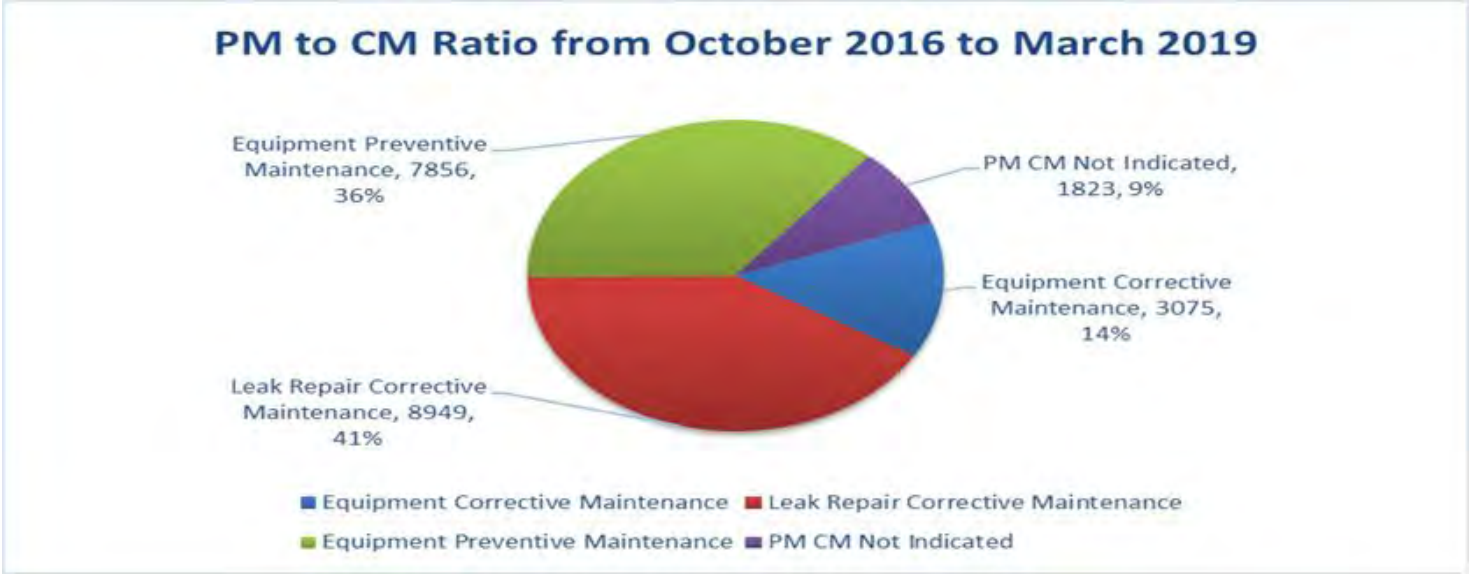


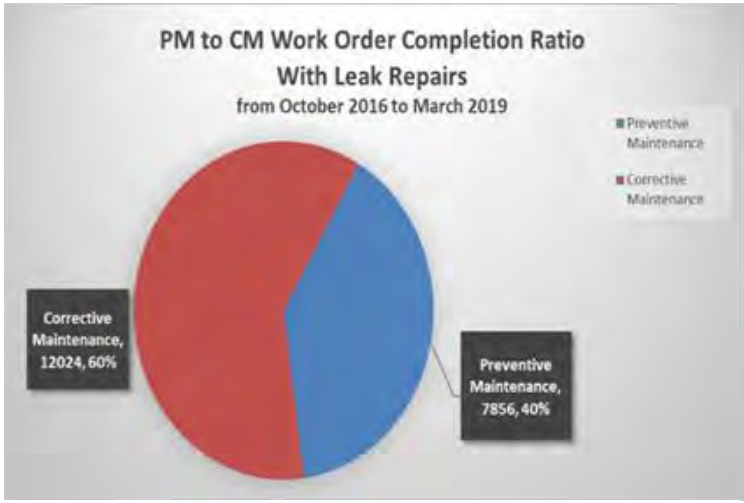
Wastewater Treatment (March 2019)

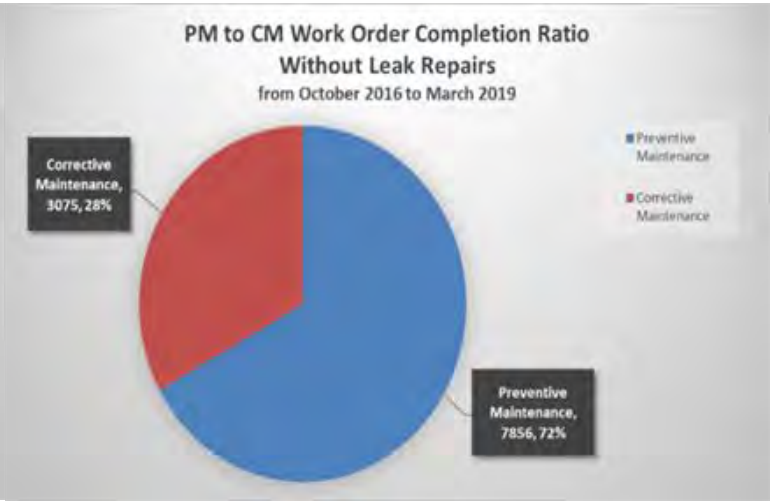
Monthly Wastewater Treatment Summary - March 2019				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	4.30	609,100	$ 54,819
	Northern	6	986,500	$ 88,785
	Agat	1.1		
	Baza	0.00		
	Umatac	0.39		
	Inarajan	0.05		
		11.84	1,595,600	$ 143,604



Asset Management (March 2019)







Operational Issues

Production & Distribution

- Well Y-9: pump and motor recovery underway; contractor retained to assist in getting this well back into production
  - Yigo reservoir levels are affected, but stable
- Well EX-11: serving Mangilao area, currently being repaired
  - M-1, M-2 and A-18 also experienced downtime, but all back in service now
  - Mangilao reservoir levels are affected, should be resolved this evening
- Ugum WTP:
  - SCADA system upgrade and hardware replacement was completed
  - Testing & final commissioning is on-going
  - Connection/integration of raw water intake pumps is on-going
  - CIP in planning stages

Wastewater Collection & Treatment

- CCTV & Cleaning:
  - Additional progress for CCTV / cleaning numbers as we add work being done on interceptor
    - Dec. = 8,459 lft.
    - Jan. = 29,319 lft.
    - Feb. = 549 lft.
      TOTAL = 38,327 lft.
- Collection System:
  - Merizo
    - Smoke testing and CCTV in Merizo conducted to focus in on I&I affecting smaller ejector stations
    - Damage by DPW storm recovery operations found, damaged laterals also being located for repair
  - Taigigao AH/Sinajana
    - Damaged gravity line repaired in in-accessible location along Navy POL easement
    - Significant clearing was required to obtain access; working to get and keep maintenance access going forward
    - Cleanup of SSO completed
- Pump stations
  - Critical spares and replacements procurement – orders will be released NLT next week
  - Defective valve repair at Fujita SPS requiring station shut-down was completed with no issues

Meters from January 2017 through March 2019

COMPLETED FIELD ACTIVITY JAN 2017 THRU MAR 2019 (POSTED IN CIS)	2017	2018	Jan-19	Feb-19	Mar-19	TOTAL:	FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Test Meter	5206	12191	1330	759	717	20203	574
GWA - Meter Exchange	6487	13353	158	140	444	20582	110
# OF BACKBILLINGS APPLIED AS PER FINANCE REPORTS:	746	4272	1188	1023	787	8016	$ 2,800,516

# OF FIELD CREW PERFORMING CHANGE OUTS:	19.4	16.1	1	1	10
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CIS	10	6.3	0	0	4
# OF SUPPLY STAFF TO ISSUE MATERIALS AND PROGRAM NEW METERS:	2	2	0	0	2
# OF TEST FACILITY PERSONNEL TESTING METERS:	3	2	2	2	2
# OF ACCOUNTANTS CALCULATING BACK BILLS:	2	3	5	5	3
TOTAL:	36.4	29.4	8	8	21

Project on hold pending new shipment of meters effective 12/22/18; Project resumed March 22 2019

REMAINING ACTIVE BADGER LP MODELS AS OF March 30, 2019: 11214

METER INVENTORY AMR Meters

Size	Meter Description	New Meters	Passed Field Meters	MMP	Meters Available	Meters at MTF	Total Count	Remarks
3/4"	METER, Badger AMR 5/8" X 3/4" RCDL Model M25 Disc Meter	889	28	0	917	319	1236	
3/4"	METER, Badger AMR 5/8" x 3/4" **WARRANTY** RCDL Model M25	0	0		0	4	4	1EA. @ KEN A
3/4"	METER,Badger 5/8"x3/4" NSF61-G RCDL M25LL Disc Meter Integral	0	3	0	3	0	3	
3/4"	METER, Badger AMR 5/8" x 3/4" RCDL Model M25 ***RMI***	0			0	13	13	

One Guam Update

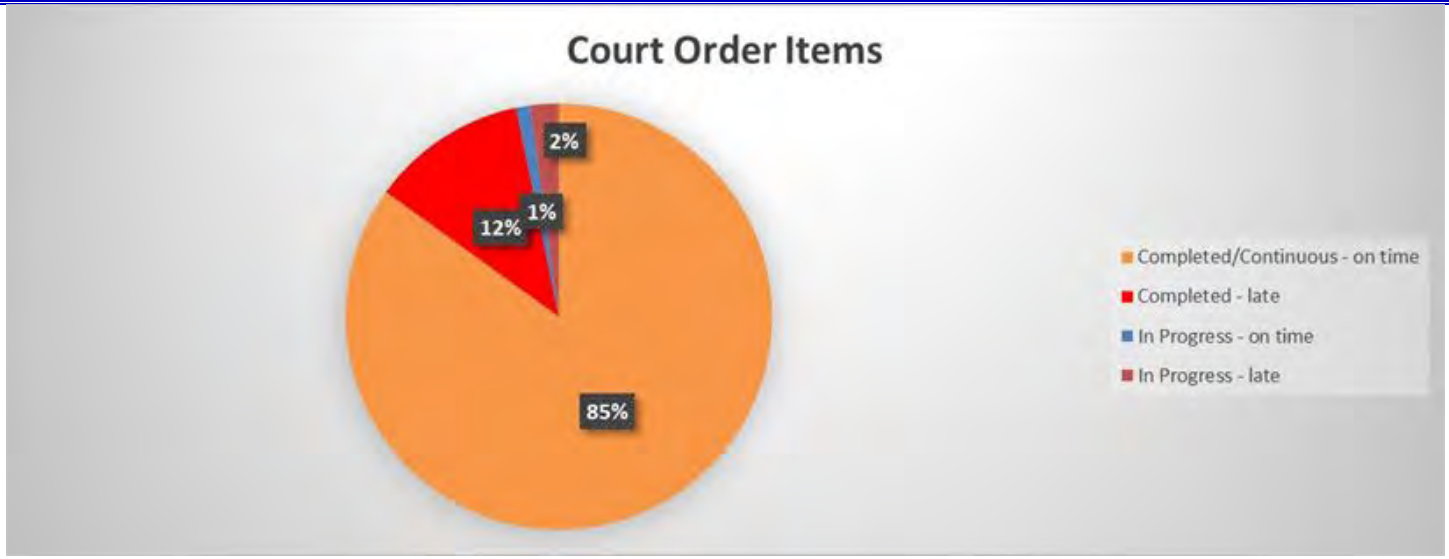
- Santa Rosa Tank
  - The briefing was held on March 13 with Andersen leadership.
  - GWA assembling brief on operational and system improvements, resiliency and system performance for AAFB consideration
  - GWA to proceed with Santa Rosa Tank project with intertie up to AF property – no delay to the GWA project

- OEA Projects
  - Observation Wells
    - Well at Finegayan (NCSF-1), waiting on Navy site approval.

- Property Transfers
  - Transfer of BPM-1
    - Will request pre-title inspection report
  - Transfer of Navy Laterals at Murray Road to GWA
    - NBG PW to send the letter of release of easements & laterals
  - Nimitz Hill Booster Station
    - Working to confirm DOD's easement is 50' wide and land ownership for GWA WBPS improvements.
- Other
  - Cabras Island Water Lines
    - In planning; preparing documents for release.
  - Data Sharing SOP/MOU
    - GWA completed comments and review. Navy will make the minor changes.
  - Route 16
    - DOD is looking at another intertie to GWA system in Barrigada.
    - GWA water needed to support Navy while work is being conducted on Navy lines.

Court Order

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance %
Court order total	**93**	**79**	**2**	**11**	**1**	**97.8%**



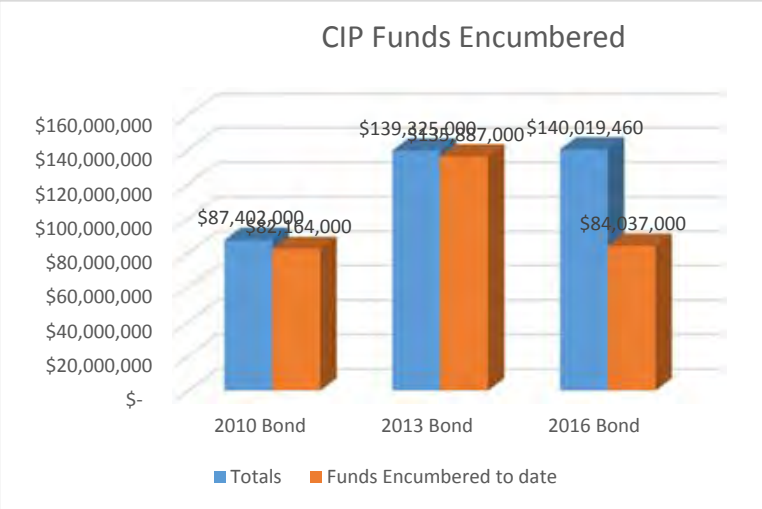
Status Information

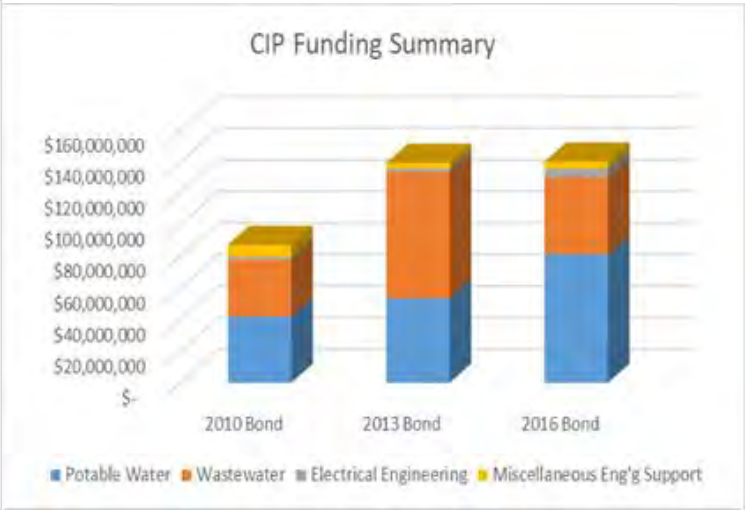
- 2 items delayed
  - Water Reservoir Repair. Replacement or Relocation program, CO II C 29(b)(6)(i) – (10 additional tanks by 7th CO anniversary). (Affects final date of the Court Order.)
  - Umatac-Merizo Wastewater Treatment Plant – July 2019
- Final Date to complete all Court Order items may be delayed past December 31, 2020. [CO 29(b) has been expanded by 31% beyond the original Court Order Requirements (General Counsel is reviewing filing requirements and content).]
- Overflow or Bypass events reported to USEPA:
  - 03/17/2019 – Tai lift station – stolen wires so the station generator could not power the pumps. (not included in the GM report for that meeting).
  - 03/25/2019 – Tai lift station – stolen wires so the station generator could not power the pumps. (Same problem two times)

CIP Summary

CIP Summary - Project Encumbrance (Eng'g. Report April 2019)								
	2010 Bond		2013 Bond		2016 Bond			
	Funded	Complete	Funded	Complete	Funded	Complete	Total CIP Projects	%
Potable Water	28	18	19	13	15	4	35	49%
Wastewater	16	14	7	5	7	3	22	31%
Electrical Engineering	5	5	5	5	2	0	10	14%
Miscellaneous Eng'g Support	2	2	3	1	4	2	4	6%
Totals	51	39	34	24	28	9	71	100%
% of Total CIP by Fund Source	72%		48%		39%			

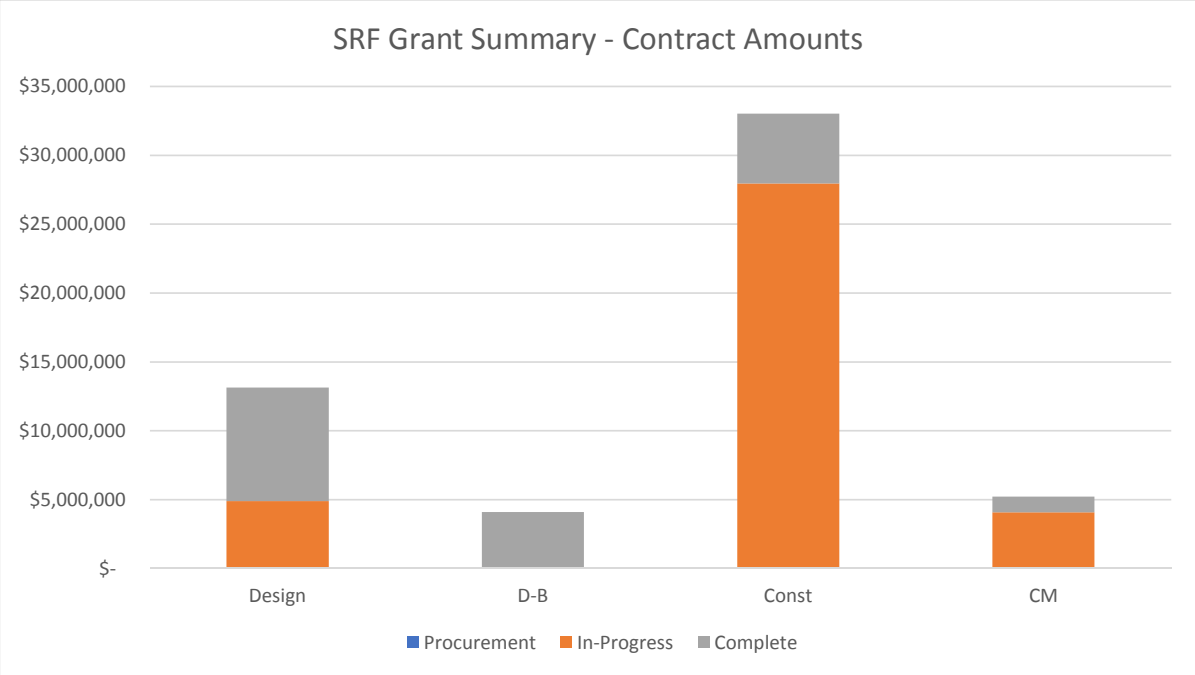
CIP Summary - Project Amounts (Eng'g. Report April 2019)								
	2010 Bond		2013 Bond		2016 Bond			
	Funded	%	Funded	%	Funded	%	Total CIP Projects	%
Potable Water	$ 42,099,790	48%	$ 53,550,914	38%	$ 81,331,136	58%	$ 176,981,840	48%
Wastewater	$ 35,813,403	41%	$ 79,775,935	57%	$ 48,801,428	35%	$ 164,390,766	45%
Electrical Engineering	$ 1,748,119	2%	$ 2,383,897	2%	$ 5,455,615	4%	$ 9,587,631	3%
Miscellaneous Eng'g Support	$ 7,740,688	9%	$ 3,614,254	3%	$ 4,431,281	3%	$ 15,786,223	4%
Totals	$ 87,402,000	100%	$ 139,325,000	100%	$ 140,019,460	100%	$ 366,746,460	100%
Funds Encumbered to date	$ 82,164,000	94%	$ 135,887,000	98%	$ 84,037,000	60%		
% of Total CIP Funding	23.8%		38.0%		38.2%			





SRF Grant Summary

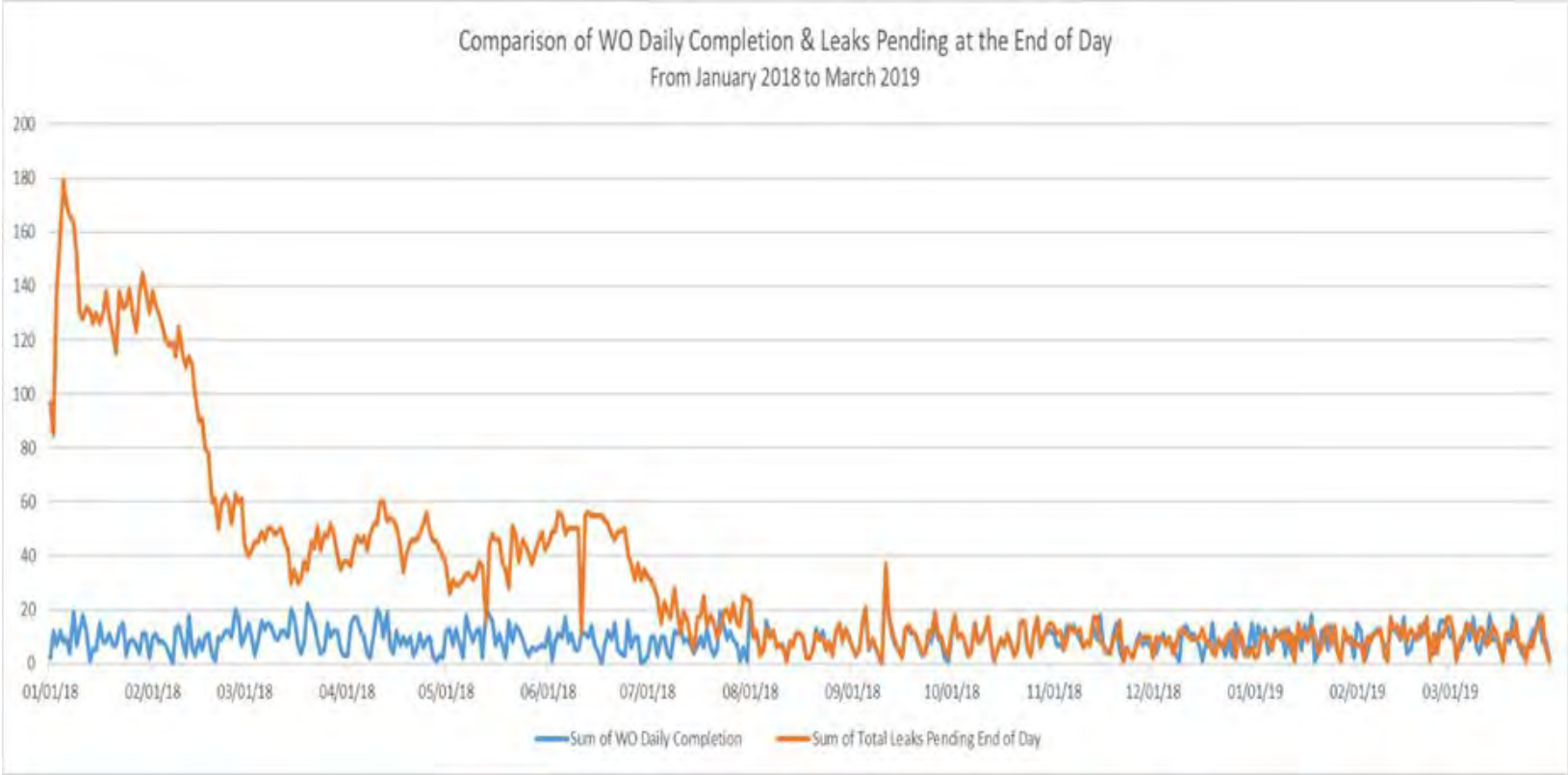
SRF Grant Summary - Contract Amounts (Mar 2019)					
	Procurement	In-Progress	Complete	Totals	%
Design	$ -	$ 4,892,286	8,249,328	$ 13,141,614	24%
D-B	$ -	$ -	$ 4,108,217	$ 4,108,217	7%
Const	$ -	$ 27,948,542	$ 5,086,129	$ 33,034,671	60%
CM	$ -	$ 4,078,680	$ 1,131,596	$ 5,210,276	9%
Totals	$ -	$ 36,919,508	$ 18,575,270	$ 55,494,778	
%	0%	67%	33%		



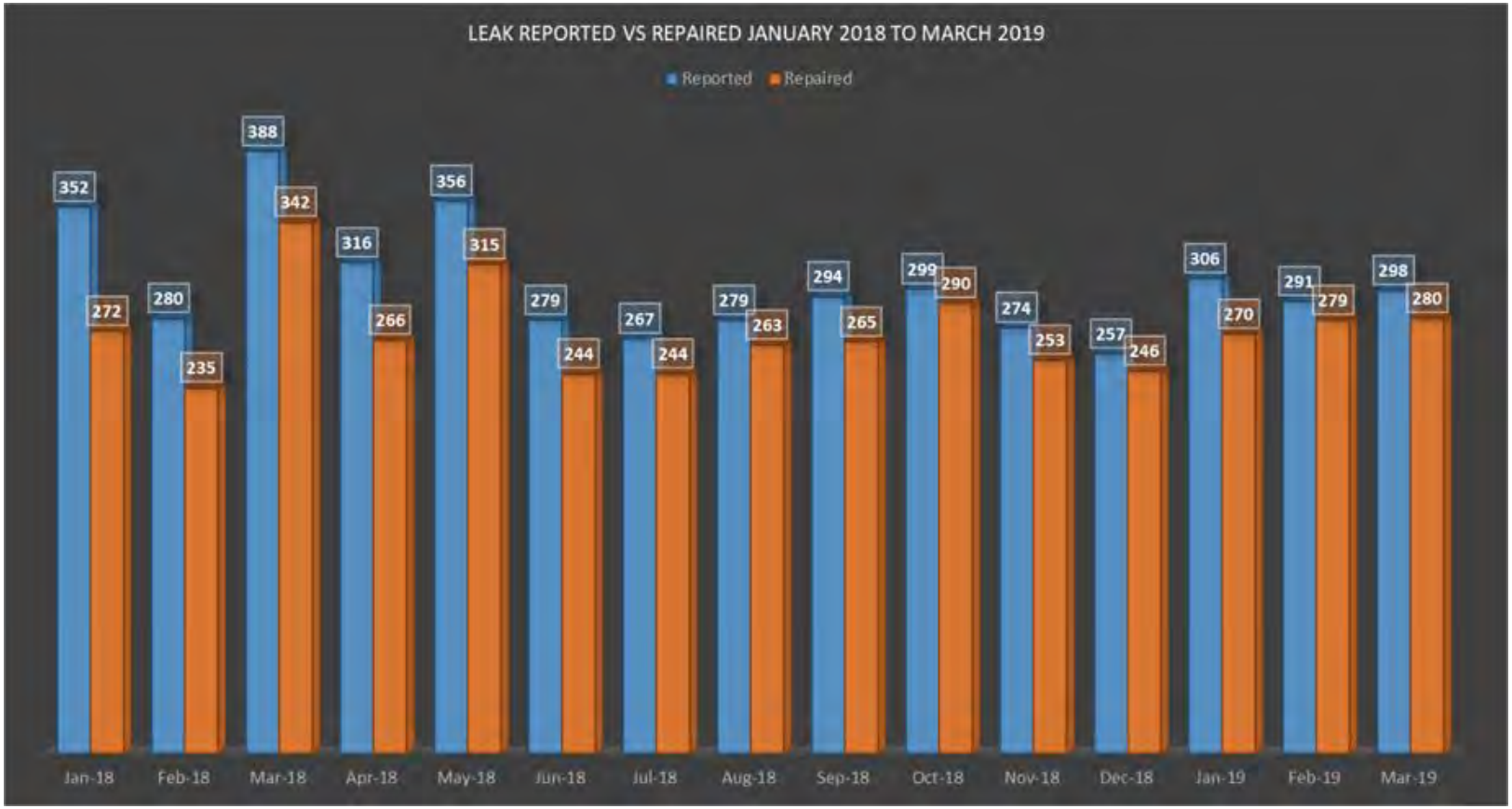
Land Acquisition Summary

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Ugum	Private	Land acquisition completed and filed under GWA ownership 03/29/2019.
	Astumbo	Gov't. - CLTC	GWA and DLM working together on Land Registration process. Pending Notification of surrounding lot owner information from DLM.
	Piti	Private	Preliminary geotechnical investigation and archaeological investigation in the process 05/01/18.
Expansion of the Northern District Wastewater Treatment Plant (NDWWTP)	Dededo	Gov't - GALC	Land acquisition completed and filed under GWA ownership 09/17/18.
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2nd follow up sent on 09/12/18. 3rd follow up sent on 04/10/19. Retracement Survey Property Map with DLM for review 03/06/19.
	Y-8	Gov't. - CLTC	Property ownership under Guam Waterworks Authority per Grant Deed No. 928090.
Booster Pump Station	Agfayan	Private	Authorization Form to perform appraisal and investigative services for L28, B19, T3734, Inarajan signed by CLTC 10/29/2018.
Sewer Pump Stations	2nd Adjacent Property to Southern Link	Private	Pending Court Approval for Land Purchase Agreement 04/10/19.
Asan Springs	Asan	Federal	License Agreement for Asan Springs facility that fall on Dept. of Park Services property currently under DOI review.

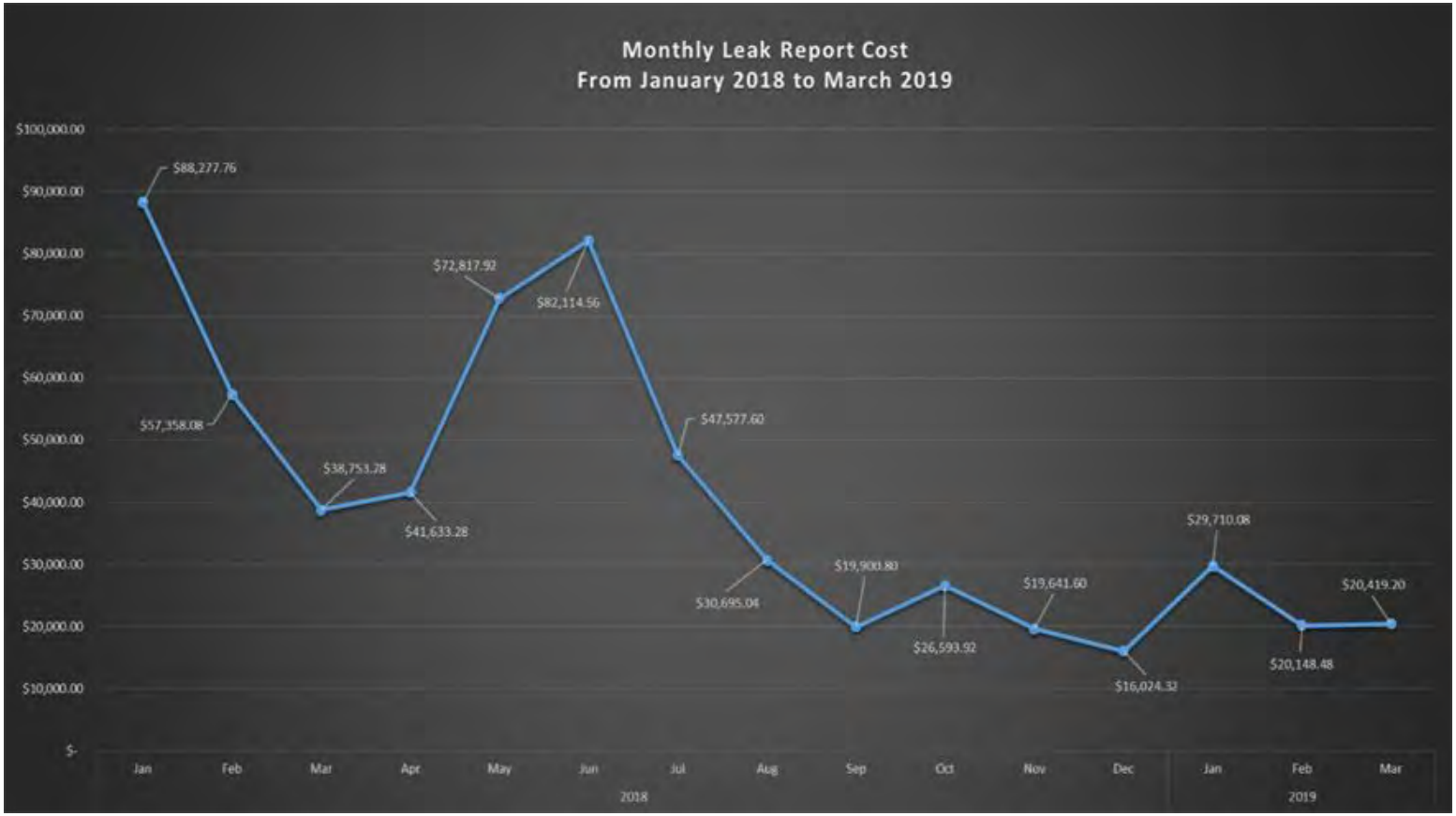
Leak Repair Summary (March 2019)



Comparison of Leaks Reported vs. Leaks Repaired (March 2019)



Monthly Leak Report Cost (March 2019)



Assumptions:

1. Leak rate = 4 gpm
2. Cost per kgal = $4.00

GUAM WATERWORKS AUTHORITY
MARCH 31, 2019
FINANCIAL AND RELATED REPORTS
TABLE OF CONTENTS

	SCHEDULES	PAGE
BALANCE SHEET	A	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	B	3
INCOME STATEMENT MTD ACTUALS FY19 VS FY18	C	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY19 VS FY18	E	6
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	F	7
AGING REPORT - GOVERNMENT RECEIVABLES	G	8
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	H	9

GUAM WATERWORKS AUTHORITY
Balance Sheet
March 31, 2019

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	Unaudited March 31, 2019	Audited September 30, 2018	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule F)	8,197,513	3,094,379	5,103,135
Restricted Funds (Schedule F)	83,788,392	84,228,994	(440,602)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of $6,605,545 at Mar 31, 2019 and $5,516,074 at Sep 30, 2018	13,900,191	16,610,663	(2,710,472)
Federal Receivable	2,006,874	3,837,146	(1,830,272)
Other Receivable	1,698,745	1,330,800	367,945
Materials & Supplies Inventory, Net of Allowance for Obsolescence of $64,131 at Mar 31, 2019 and $64,131 at Sep 30, 2018	2,914,230	3,342,557	(428,327)
Total Current Assets	112,505,946	112,444,539	61,406
Property, Plant and Equipment			
Utility plant in service			
Water system	350,637,056	348,812,303	1,824,753
Wastewater system	300,407,082	300,053,427	353,655
Non-utility property	21,981,906	21,720,023	261,884
Total property	673,026,044	670,585,753	2,440,291
Less Accumulated Depreciation	(313,573,837)	(303,019,447)	(10,554,390)
Land	3,861,120	3,681,120	180,000
Construction Work in Progress	216,046,845	178,443,926	37,602,919
Property, Plant and Equipment, net	579,360,173	549,691,353	29,668,820
Other noncurrent assets			
Restricted cash (Schedule F)	131,205,605	159,753,667	(28,548,062)
Investments (Schedule F)	45,813,049	43,097,913	2,715,136
Other Prepaid Expenses	739,386	677,828	61,558
Total other noncurrent assets	177,758,039	203,529,408	(25,771,368)
Total Assets	869,624,157	865,665,299	3,958,858
Deferred outflows of resources			
Debt defeasance due to bond refunding	12,393,584	12,810,787	(417,204)
Deferred outflows from pension	4,233,576	4,220,075	13,501
Deferred outflows from OPEB	9,070,814	9,070,814	-
Total Assets and Deferred Outflows of Resources	**895,322,131**	**891,766,976**	**3,555,155**
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt			
Series 2010 Bond	1,800,000	1,800,000	-
Series 2014 Refunding	3,620,000	3,620,000	-
Series 2017 Refunding	295,000	295,000	-
Notes Payable	3,286,627	3,203,870	82,758
Accounts Payable -Trade	4,803,002	5,442,000	(638,998)
Interest Payable	6,413,354	6,427,669	(14,315)
Accrued Payroll and Employee Benefits	1,603,257	1,608,219	(4,962)
Accrued Annual Leave	1,069,408	1,059,161	10,246
Current portion of employee annual leave	614,673	607,382	7,291
Contractors' Payable	13,087,970	25,680,792	(12,592,822)
Customer and Other Deposits	2,152,371	2,131,242	21,129
Other Liabilities	82,446	106,997	(24,551)
Total Current Liabilities	38,828,109	51,982,331	(13,154,223)
Long Term Debt, less current maturities			
Series 2010 Revenue Bond	1,895,000	1,895,000	-
Series 2013 Revenue Bond	172,630,000	172,630,000	-
Series 2014 Refunding Bond	68,900,000	68,900,000	-
Series 2016 Revenue Bond	143,310,000	143,310,000	-
Series 2017 Refunding Bond	107,365,000	107,365,000	-
Unamortized Bond Premium/Discount	32,582,365	33,300,619	(718,253)
Notes Payable	656,311	2,325,154	(1,668,843)
Net pension liability	45,451,352	45,451,352	-
Net OPEB obligation	88,950,661	88,950,661	-
Employee Annual Leave, Less Current Portion	826,194	822,821	3,373
Total Liabilities	701,394,993	716,932,938	(15,537,946)
Deferred inflows of resources:			
Deferred inflows from pension	1,870,114	1,857,164	12,950
Deferred inflows from OPEB	8,741,900	8,741,900	-
Total Liabilities and Deferred Inflows of Resources	712,007,007	727,532,002	(15,524,996)
Net Assets	**183,315,124**	**164,234,973**	**19,080,151**
Total Liabilities, Deferred Inflows of Resources and Net Assets	**895,322,131**	**891,766,975**	**3,555,156**

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE B**
Comparative Budget vs. Actual for the period ending March 31, 2019

	Month to Date		Variance
	Budget March-19	Actual (Unaudited) March-19	Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,813,246	6,027,093	213,847
Wastewater Revenues	3,247,265	3,210,062	(37,203)
Legislative Surcharge	294,667	299,746	5,079
Other Revenues	38,254	54,619	16,365
System Development Charge	97,773	72,819	(24,954)
Total Operating Revenues	9,491,205	9,664,339	173,134
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	687,577	569,607	117,970
Power Purchases	1,231,315	1,231,315	0
Total Utility Costs	1,918,892	1,800,922	117,970
Salaries and Wages	1,782,365	1,657,555	124,810
Pension and Benefits	562,238	519,858	42,380
Total Salaries and Benefits	2,344,603	2,177,412	167,190
Capitalized Labor and Benefits	(308,333)	(308,333)	(0)
Net Salaries and Benefits	2,036,269	1,869,079	167,190
Administrative and General Expenses			
Sludge removal	153,771	151,750	2,021
Chemicals	185,801	185,327	474
Materials & Supplies	141,606	79,246	62,360
Transportation	38,648	38,308	339
Communications	15,054	14,357	697
Claims	8,417	-	8,417
Insurance	79,461	75,172	4,289
Training & Travel	30,417	14,457	15,960
Advertising	12,500	8,149	4,351
Miscellaneous	92,632	86,189	6,443
Regulatory Expense	25,029	17,455	7,574
Bad Debts Provision	191,148	190,562	586
Total Administrative and General Expense	974,483	860,971	113,512
Depreciation Expense	1,759,065	1,759,065	(0)
Contractual Expense			
Audit & Computer Maint.	58,783	33,698	25,085
Building rental	38,361	35,211	3,150
Equipment rental	79,980	78,658	1,322
Legal	512	-	512
Laboratory	34,862	1,966	32,896
Other	213,458	172,019	41,439
Total Contractual Expense	425,956	321,551	104,404
Retiree Supp. Annuities and health care costs	249,871	238,096	11,775
Contribution to Government of Guam	51,975	50,000	1,975
Total Retiree Benefits	301,846	288,096	13,750
Total Operating Expenses	7,416,512	6,899,685	516,827
Earnings (Loss) from Operations	2,074,693	2,764,654	689,961
Interest Income-2010/13/14/16/17 Series Bond	84,943	281,057	196,114
Interest Income-Other Funds	13,856	59,085	45,229
Interest Income-SDC	2,072	17,868	15,796
Interest Expense- 2010/13/14/16/17 Series Bond	(2,387,785)	(2,137,785)	250,000
Interest Expense- ST BOG	(19,762)	(16,959)	2,803
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	1,157,306	1,157,306	0
Amortization of Discount, Premium and Issuance Costs	(17,798)	119,709	137,507
Defeasance due to bond refunding	(16,201)	(69,534)	(53,333)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(2,607)	(2,607)
Total non-operating revenues (expenses)	(1,183,369)	(591,859)	591,510
Net Income (Loss) before capital contributions	891,324	2,172,795	1,281,471
Capital Contributions			
Grants from US Government	5,533,205	2,091,233	(3,441,972)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	5,533,205	2,091,233	(3,441,972)
Change in Net Assets	6,424,529	4,264,028	(2,160,501)
Debt Service Calculation			
Earnings From Operations	2,074,693	2,764,654	
System Development Charge	(97,773)	(72,819)	
Retiree COLA	51,975	50,000	
Interest/Investment Income	13,856	59,085	
Depreciation	1,759,065	1,759,065	
Balance Available for Debt Service per Section 6.12	3,801,817	4,559,986	
Working Capital Reserve Available for Debt Service	934,811	954,001	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,736,628	5,513,986	
Debt Service			
Principal	476,250	476,250	
Interest	2,137,785	2,137,785	
Total	2,614,035	2,614,035	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.45	1.74	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.81	2.11	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE C**
Comparative for the period ending March 31, 2019 and 2018

	Month to Date Actual (Unaudited) March-19	Actual (Audited) March-18	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	6,027,093	5,531,297	495,796
Wastewater Revenues	3,210,062	3,191,784	18,278
Legislative Surcharge	299,746	289,209	10,537
Other Revenues	54,619	43,294	11,325
System Development Charge	72,819	89,249	(16,430)
Total Operating Revenues	9,664,339	9,144,833	519,506
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	569,607	723,748	154,141
Power Purchases	1,231,315	1,223,874	(7,441)
Total Utility Costs	1,800,922	1,947,622	146,700
Salaries and Wages	1,657,555	1,464,423	(193,131)
Pension and Benefits	519,858	376,266	(143,592)
Total Salaries and Benefits	2,177,412	1,840,689	(336,723)
Capitalized Labor and Benefits	(308,333)	(296,147)	12,186
Net Salaries and Benefits	1,869,079	1,544,542	(324,537)
Administrative and General Expenses			
Sludge removal	151,750	125,638	(26,112)
Chemicals	185,327	182,625	(2,702)
Materials & Supplies	79,246	180,995	101,749
Transportation	38,308	64,001	25,693
Communications	14,357	14,756	399
Claims	-	10,803	10,803
Insurance	75,172	76,005	833
Training & Travel	14,457	22,652	8,195
Advertising	8,149	14,226	6,077
Miscellaneous	86,189	84,564	(1,624)
Regulatory Expense	17,455	22,121	4,667
Bad Debts Provision	190,562	180,246	(10,317)
Total Administrative and General Expense	860,971	978,632	117,661
Depreciation Expense	1,759,065	1,606,687	(152,378)
Contractual Expense			
Audit & Computer Maint.	33,698	58,815	25,117
Building rental	35,211	36,603	1,392
Equipment rental	78,658	89,207	10,549
Legal	-	-	-
Laboratory	1,966	34,441	32,475
Other	172,019	200,655	28,636
Total Contractual Expense	321,551	419,721	98,169
Retiree Supp. Annuities and health care costs	238,096	662,581	424,485
Contribution to Government of Guam	50,000	49,833	(167)
Total Retiree Benefits	288,096	712,414	424,318
Total Operating Expenses	6,899,685	7,209,618	309,934
Earnings (Loss) from Operations	2,764,654	1,935,215	829,440
Interest Income-2010/13/14/16/17 Series Bond	281,057	255,374	25,683
Interest Income-Other Funds	59,085	45,645	13,440
Interest Income-SDC	17,868	13,852	4,016
Interest Expense- 2010/13/14/16/17 Series Bond	(2,137,785)	(2,177,468)	39,683
Interest Expense- ST BOG	(16,959)	(30,702)	13,743
Federal Expenditures	-	(62,220)	62,220
Loss on Asset Disposal	-	(162,136)	162,136
AFUDC	1,157,306	1,041,766	115,540
Amortization of Discount, Premium and Issuance Costs	119,709	(42,691)	162,400
Defeasance due to bond refunding	(69,534)	(62,043)	(7,490)
Deferred outflows from pension	-	32,592	(32,592)
Prior Year Adjustment	(2,607)	13,219	(15,826)
Total non-operating revenues (expenses)	(591,859)	(1,134,813)	542,953
Net Income (Loss) before capital contributions	2,172,795	800,402	1,372,393
Capital Contributions			
Grants from US Government	2,091,233	1,244,712	846,521
Grants from GovGuam & Others	-	22,681	(22,681)
Total Capital Contributions	2,091,233	1,267,392	823,841
Change in Net Assets	4,264,028	2,067,794	2,196,234
Debt Service Calculation			
Earnings From Operations	2,764,654	1,935,215	
System Development Charge	(72,819)	(89,249)	
Retiree COLA	50,000	49,833	
Interest/Investment Income	59,085	45,645	
Depreciation	1,759,065	1,606,687	
Balance Available for Debt Service per Section 6.12	4,559,986	3,548,131	
Working Capital Reserve Available for Debt Service	954,001	945,164	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	5,513,986	4,493,295	
Debt Service			
Principal	476,250	433,333	
Interest	2,137,785	1,794,910	
Total	2,614,035	2,228,243	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.74	1.59	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	2.11	2.02	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE D**
Comparative Budget vs. Actual for the period ending March 31, 2019

	Year to Date		Variance
	Budget March-19	Actual (Unaudited) March-19	Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	34,879,479	33,707,252	(1,172,226)
Wastewater Revenues	19,483,590	19,248,932	(234,659)
Legislative Surcharge	1,768,001	1,768,395	394
Other Revenues	229,523	275,886	46,363
System Development Charge	586,635	338,550	(248,085)
Total Operating Revenues	56,947,228	55,339,015	(1,608,213)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	4,125,463	3,091,845	1,033,618
Power Purchases	7,387,891	7,286,554	101,337
Total Utility Costs	11,513,354	10,378,399	1,134,955
Salaries and Wages	10,694,191	9,832,265	861,925
Pension and Benefits	3,373,426	3,103,108	270,319
Total Salaries and Benefits	14,067,617	12,935,373	1,132,244
Capitalized Labor and Benefits	(1,850,000)	(1,850,000)	-
Net Salaries and Benefits	12,217,617	11,085,373	1,132,244
Administrative and General Expenses			
Sludge removal	797,628	776,547	21,081
Chemicals	1,114,809	1,004,659	110,150
Materials & Supplies	869,633	830,970	38,663
Transportation	253,885	253,469	416
Communications	90,325	69,744	20,581
Claims	50,500	35,899	14,601
Insurance	476,765	451,068	25,697
Training & Travel	182,500	91,170	91,330
Advertising	75,000	40,297	34,703
Miscellaneous	555,790	525,531	30,260
Regulatory Expense	150,174	81,710	68,464
Bad Debts Provision	1,089,890	1,089,411	479
Total Administrative and General Expense	5,706,899	5,250,473	456,425
Depreciation Expense	10,554,390	10,554,390	(0)
Contractual Expense			
Audit & Computer Maint.	352,700	265,856	86,844
Building rental	230,166	211,265	18,901
Equipment rental	551,878	551,583	294
Legal	3,073	-	3,073
Laboratory	209,174	138,959	70,215
Other	1,348,745	1,348,347	398
Total Contractual Expense	2,695,736	2,516,010	179,726
Retiree Supp. Annuities and health care costs	1,499,225	1,423,635	75,590
Contribution to Government of Guam	311,850	300,000	11,850
Total Retiree Benefits	1,811,075	1,723,635	87,440
Total Operating Expenses	44,499,070	41,508,279	2,990,790
Earnings (Loss) from Operations	12,448,158	13,830,735	1,382,577
Interest Income-2010/13/14/16/17 Series Bond	509,658	2,033,973	1,524,315
Interest Income-Other Funds	83,137	392,662	309,525
Interest Income-SDC	12,431	86,919	74,488
Interest Expense- 2010/13/14/16/17 Series Bond	(14,326,707)	(12,826,707)	1,500,000
Interest Expense- ST BOG	(118,572)	(109,600)	8,971
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	6,943,836	6,943,836	(0)
Amortization of Discount, Premium and Issuance Costs	(106,788)	718,253	825,041
Defeasance due to bond refunding	(97,206)	(417,204)	(319,998)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(282,844)	(282,844)
Total non-operating revenues (expenses)	(7,100,210)	(3,460,712)	3,639,498
Net Income (Loss) before capital contributions	5,347,948	10,370,023	5,022,075
Capital Contributions			
Grants from US Government	33,199,230	8,658,249	(24,540,982)
Grants from GovGuam & Others	-	51,879	51,879
Total Capital Contributions	33,199,230	8,710,128	(24,489,102)
Change in Net Assets	38,547,178	19,080,151	(19,467,027)
Debt Service Calculation			
Earnings From Operations	12,448,158	13,830,735	
System Development Charge	(586,635)	(338,550)	
Retiree COLA	311,850	300,000	
Interest/Investment Income	83,137	392,662	
Depreciation	10,554,390	10,554,390	
Balance Available for Debt Service per Section 6.12	22,810,900	24,739,237	
Working Capital Reserve Available for Debt Service	5,608,867	5,724,005	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	28,419,767	30,463,242	
Debt Service			
Principal	2,857,500	2,857,500	
Interest	12,826,707	12,826,707	
Total	15,684,207	15,684,207	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.45	1.58	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.81	1.94	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending March 31, 2019 and 2018

SCHEDULE E

	Year to Date Actual (Unaudited) March-19	Actual (Audited) March-18	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	33,707,252	33,187,782	519,470
Wastewater Revenues	19,248,932	19,150,703	98,229
Legislative Surcharge	1,768,395	1,735,254	33,141
Other Revenues	275,886	259,765	16,121
System Development Charge	338,550	535,493	(196,942)
Total Operating Revenues	55,339,015	54,868,996	470,018
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	3,091,845	4,342,487	1,250,642
Power Purchases	7,286,554	7,343,243	56,689
Total Utility Costs	10,378,399	11,685,730	1,307,331
Salaries and Wages	9,832,265	8,786,540	(1,045,725)
Pension and Benefits	3,103,108	2,257,596	(845,512)
Total Salaries and Benefits	12,935,373	11,044,136	(1,891,237)
Capitalized Labor and Benefits	(1,850,000)	(1,776,882)	73,118
Net Salaries and Benefits	11,085,373	9,267,254	(1,818,119)
Administrative and General Expenses			
Sludge removal	776,547	753,827	(22,720)
Chemicals	1,004,659	1,095,753	91,094
Materials & Supplies	830,970	1,085,969	254,999
Transportation	253,469	384,005	130,536
Communications	69,744	88,533	18,789
Claims	35,899	64,821	28,922
Insurance	451,068	456,030	4,962
Training & Travel	91,170	135,913	44,743
Advertising	40,297	85,354	45,058
Miscellaneous	525,531	507,385	(18,146)
Regulatory Expense	81,710	132,727	51,018
Bad Debts Provision	1,089,411	1,081,475	(7,936)
Total Administrative and General Expense	5,250,473	5,871,791	621,318
Depreciation Expense	10,554,390	9,640,125	(914,265)
Contractual Expense			
Audit & Computer Maint.	265,856	352,890	87,034
Building rental	211,265	219,618	8,353
Equipment rental	551,583	535,241	(16,342)
Legal	-	-	-
Laboratory	138,959	206,648	67,689
Other	1,348,347	1,203,929	(144,418)
Total Contractual Expense	2,516,010	2,518,326	2,316
Retiree Supp. Annuities and health care costs	1,423,635	3,975,484	2,551,849
Contribution to Government of Guam	300,000	299,000	(1,000)
Total Retiree Benefits	1,723,635	4,274,484	2,550,849
Total Operating Expenses	41,508,279	43,257,709	1,749,430
Earnings (Loss) from Operations	13,830,735	11,611,287	2,219,448
Interest Income-2010/13/14/16/17 Series Bond	2,033,973	1,532,245	501,727
Interest Income-Other Funds	392,662	273,869	118,793
Interest Income-SDC	86,919	83,111	3,808
Interest Expense- 2010/13/14/16/17 Series Bond	(12,826,707)	(13,064,807)	238,099
Interest Expense- ST BOG	(109,600)	(184,213)	74,613
Federal Expenditures	-	(373,322)	373,322
Loss on Asset Disposal	-	(972,815)	972,815
AFUDC	6,943,836	6,250,598	693,238
Amortization of Discount, Premium and Issuance Costs	718,253	(256,147)	974,401
Defeasance due to bond refunding	(417,204)	(372,261)	(44,943)
Deferred outflows from pension	-	195,552	(195,552)
Prior Year Adjustment	(282,844)	79,314	(362,158)
Total non-operating revenues (expenses)	(3,460,712)	(6,808,876)	3,348,164
Net Income (Loss) before capital contributions	10,370,023	4,802,411	5,567,612
Capital Contributions			
Grants from US Government	8,658,249	7,468,271	1,189,978
Grants from GovGuam & Others	51,879	136,083	(84,204)
Total Capital Contributions	8,710,128	7,604,354	1,105,774
Change in Net Assets	19,080,151	12,406,764	6,673,387
Debt Service Calculation			
Earnings From Operations	13,830,735	11,611,287	
System Development Charge	(338,550)	(535,493)	
Retiree COLA	300,000	299,000	
Interest/Investment Income	392,662	273,869	
Depreciation	10,554,390	9,640,125	
Balance Available for Debt Service per Section 6.12	24,739,237	21,288,788	
Working Capital Reserve Available for Debt Service	5,724,005	5,670,983	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	30,463,242	26,959,771	
Debt Service			
Principal	2,857,500	2,600,000	
Interest	12,826,707	10,769,460	
Total	15,684,207	13,369,460	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.58	1.59	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.94	2.02	

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2019

SCHEDULE F

Description	Unaudited March 31, 2019	Audited September 30, 2018	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	5,000	5,000	-
BOG Deposit Accounts	8,190,514	3,087,379	5,103,135
Sub-total Unrestricted	**8,197,513**	**3,094,379**	**5,103,135**
RESTRICTED			
ANZ Bank	0	(0)	0
Bank Pacific	6,931	11,864	(4,933)
Bank of Hawaii	179,484	189,144	(9,661)
Community First FCU	3,007	4,392	(1,385)
First Hawaiian Bank	8,643	22,105	(13,462)
Bank Pacific Surcharge	810,708	298,898	511,810
Bank Pacific Escrow Deposit	660,663	660,254	410
BOG Customer Refunds	-	1,860,120	(1,860,120)
BOG Emergency Reserve Fund	6,233	6,229	4
BOG Sewer Hookup Revolving Fund	66,299	65,499	799
BOG Subordinate Security Fund	859,233	859,233	-
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG OMRRRF Fund	17,423,213	17,423,213	-
BOG Revenue Trust	350,459	360,569	(10,111)
BOG Revenue Trust Fund	8,158,874	6,535,779	1,623,095
BOG Capital Improvement Revenue Fund	4,892,504	1,582,278	3,310,226
BOG O & M Reserve	13,793,882	13,666,109	127,772
BOG Debt Service Reserve	11,448,009	11,341,967	106,043
BOG CapEx Fund	11,483,994	16,073,011	(4,589,017)
	73,235,618	**74,044,146**	**(808,528)**
BOG - SDC Deposit	1,552,774	2,934,848	(1,382,074)
BOG - SDC CDs	9,000,000	7,250,000	1,750,000
Total Restricted	**83,788,392**	**84,228,994**	**(440,602)**
Reserve Funds			
BOG Series 13 Construction Fund	23,618,128	36,222,062	(12,603,935)
BOG Series 14 Refunding Construction Fund	748,832	741,895	6,936
BOG Series 16 Construction Fund	100,070,794	116,036,000	(15,965,206)
BOG Series 17 Refunding Construction Fund	6,767,851	6,753,709	14,142
Total Restricted - Held by Trustee	**131,205,605**	**159,753,667**	**(28,548,062)**
USB Series 2013 Debt Service Fund	2,383,061	2,360,451	22,610
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	3,666,133	1,833,235	1,832,898
USB Series 2014 Refunding Debt Service Reserve Fund	7,748,049	7,972,243	(224,194)
USB Series 2016 Debt Service Fund	1,822,858	1,805,556	17,302
USB Series 2016 Debt Service Reserve Fund	7,592,000	7,594,603	(2,603)
USB Series 2010 Debt Service Fund	1,411,234	503,751	907,483
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,591,566	1,429,927	161,640
Total Investments	**45,813,049**	**43,097,913**	**2,715,136**
Total Restricted and Unrestricted Cash	**269,004,560**	**290,174,953**	**(21,170,393)**

Guam Waterworks Authority
Accounts Receivable - Government (Active)
March 31, 2019

SCHEDULE G

Customer Name	No of Accounts	Current	31-60 days	61-90 days	91-120 days	Over 120 days	Total
		A G I N G					
Guam Int'l Airport Authority	8	$ 26,257	$ 51,533	$ 30,122	$ 31,534	$ 261,453	$ 400,898
Guam Power Authority	25	148,882	24,155	-	-	-	173,037
Guam Memorial Hospital Authority	5	34,228	28,255	40,237	2,054	-	104,775
University of Guam	46	9,510	-	-	-	-	9,510
Guam Housing & Urban Renewal Authority	9	1,522	-	-	-	-	1,522
Guam Housing Corporation	1	28	-	-	-	-	28
	94	**$ 220,427**	**$ 103,943**	**$ 70,359**	**$ 33,589**	**$ 261,453**	**$ 689,770**
Dept of Education	54	$ 308,506	$ 198,198	$ 171,460	$ 19,386	$ 11,892	$ 709,441
Dept of Public Health & Social Services	8	3,229	1,000	687	366	103,817	109,100
Mayors Council of Guam	60	57,647	1,087	293	24	32	59,083
Dept of Parks & Recreation	17	27,150	2,754	-	-	-	29,903
Dept of Military Affairs/Guarng	1	9,409	-	-	-	-	9,409
Dept of Chamorro Affairs	7	8,098	419	-	-	-	8,516
Guam Fire Department	11	6,996	-	-	-	-	6,996
Office of The Governor	2	5,301	-	-	-	-	5,301
Sanctuary Inc	1	3,267	-	-	-	-	3,267
Superior Court of Guam	2	3,042	-	-	-	-	3,042
Office of Civil Defense	2	527	627	614	517	492	2,777
Dept of Public Works	11	2,332	-	-	-		2,332
Dept of Youth Affairs	1	1,144	93	-	-		1,237
Guam Police Department	7	1,157	-	-	-	-	1,157
Dept of Agriculture	6	1,129	-	-	-	-	1,129
Division of Senior Citizens, Dph&Ss	2	368	187	164	-	-	719
Dept of Administration	2	404	-	-	-	-	404
Dept of Mental Health	2	319	-	-	-	-	319
Guam Enviromental Protection Agency	2	223	-	-	-	-	223
Guam Energy office	1	83	38	79	-	-	200
The Office of The Dededo Mayor	1	161	-	-	-	-	161
Guam Veterans Affairs Office	2	143	-	-	-	-	143
Guam Public Library	6	136	-	-	-	-	136
Dept of Corrections	8	107	-	-	-	-	107
Merizo Mayor	1	46	-	-	-	-	46
Vietnam Veteran of America	1	40	-	-	-	-	40
	218	**$ 440,965**	**$ 204,401**	**$ 173,297**	**$ 20,294**	**$ 116,233**	**$ 955,190**
Total March 31, 2019	**312**	**$ 661,392**	**$ 308,344**	**$ 243,656**	**$ 53,883**	**$ 377,686**	**$ 1,644,961**
TOTAL September 30, 2018	**326**	**$ 793,948**	**$ 424,797**	**$ 324,413**	**$ 190,444**	**$ 975,977**	**$ 2,709,580**
	-4%	**-17%**	**-27%**	**-25%**	**-72%**	**-61%**	**-39%**

Guam Waterworks Authority
System Development Charges Project Status
As of March 31, 2019

SCHEDULE H

PROJECT NAME	Available Project Funds	Total Expenditures	Total Outstanding Encumbrances	Total Expenditures and Encumbrances	Total Unobligated Funds
SDC - Water					
Central Guam Reservoirs		-	280,040	280,040	
Line Replacement Phase IV		-	256,937	256,937	
South Paulino Heights Waterline Upgrade		22,079	95,706	117,785	
	$ 5,769,770	**$ 22,079**	**$ 632,683**	**$ 654,762**	**$ 5,115,008**
SDC - Wastewater					
Agat-Santa Rita Wastewater Treatment Plant Replacement		160,335	1,041,672	1,202,006	
Baza Gardens Wastewater Cross Island Pumping & Conveyance		399,453	666,395	1,065,847	
Route 4 Relief Sewerline Rehab & Replacement		-	399,869	399,869	
Northern WWTP (Land Purchase)		1,000,000	-	1,000,000	
Talofofo Sewer Improvement		-	241,142	241,142	
Umatac-Merizo Wastewater Treatment Plant Upgrade		-	248,979	248,979	
	$ 5,893,049	**$ 1,559,787**	**$ 2,598,056**	**$ 4,157,843**	**$ 1,735,206**
Grand Totals	**$ 11,662,819**	**$ 1,581,866**	**$ 3,230,738**	**$ 4,812,605**	**$ 6,850,215**

Future planned projects	2019
Water Wells	$ 1,850,000
Water Dist Sys Pipe Replacement & Upgrades	1,850,000
WWTP Priority 1 Upgrades	1,000,000
Umatac Merizo STP Replacement	1,000,000
Wastewater Sewer System Expansion	1,000,000
	$ 6,700,000

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 21-FY2019
Relative to the Approval of the Contract Renewal with Guam Pacific Enterprise and JMI Edison for the Additional Purchases of Submersible Cables, Temperature Sensors and 2 HP Booster Pump Motors

What is the project's objective and is it necessary and urgent?
The objective is to provide for adequate parts inventory for submersible cables and chlorination system booster pumps for GWA's water production facilities. Having the inventory on-hand is necessary to ensure that water system mechanical and electrical assets are replaced in a timely manner as part of normal production well and disinfection system operations and maintenance.

Bid Summary
IFB 2015-08 Submersible Cables, Booster Pumps and Sensors

Guam Pacific Enterprise							
Item No	Description	Qty	UOM	Unit Cost	Total Cost	Est Annual Cost	Est 3 Year Cost
1.0	Temperature Sensor 6"	10	each	$695.00	$6,950.00		
1.1	Temperature Sensor 8"	10	each	$695.00	$6,950.00	$13,900.00	$41,700.00
3.0	Submersible Electrical Cable #4 AWG CU, 4 Wire (Note: to be used on 50/60 HP Submersible Motors)	1000	foot	$11.21	$11,210.00		
3.1	Submersible Electrical Cable #1 AWG CU, 4 Wire (Note: to be used on 75/100 HP Submersible Motors)	4000	foot	$22.22	$88,880.00		
3.2	Submersible Electrical Cable #2/0 AWG CU, 4 Wire (Note: to be used on 125/150 HP Submersible Motors)	3000	foot	$26.59	$79,770.00	$179,860.00	$539,580.00
GPE Est Cost					$193,760.00	$193,760.00	$581,280.00

JMI Edison							
Item No	Description					Est Annual Cost	Est 3 Year Cost
2.0	2 HP Pump and Motor CR3-10 A-FGJ-E-HQQE 230/460V	35	each	$1,409.30	$49,325.50	$49,325.50	$147,976.50
						Est Annual Cost	Est 3 Year Cost
TOTAL EST COST						$243,085.50	$729,256.50

Total Amount Expensed

PO No	PO Amount	Vendor	PO Date	FY	Funding Source
298852	$153,670.00	GPE	12/26/2015	16	PW 09-02 Water Wells
298991	$202,480.00	GPE	2/8/2016	16	PW 09-02 Water Wells
300011	$33,530.00	GPE	10/6/2016	17	PW 09-02 Water Wells
301130	$185,665.00	GPE	8/1/2017	17	Revenue Funded
GPE TOTAL	$575,345.00				
298758	$13,828.59	JMI	12/4/2015	16	PW 09-02 Water Wells
298851	$23,958.10	JMI	12/29/2015	16	PW 09-02 Water Wells
300311	$22,548.80	JMI	12/14/2016	17	PW 09-02 Water Wells
302887	$35,232.50	JMI	12/13/2018	19	Revenue Funded
302887 (Amendment 1)	$43,688.30	JMI	12/21/2018	19	Revenue Funded
JMI TOTAL	$139,256.29				
IFB 2015-08 TOTAL	$714,601.29				

Estimated Purchase Quantity and Cost for 2 Year Contract Renewal

Guam Pacific Enterprise	Description	Unit Cost	2 Year Est Qty	Est 2 year Cost
3.1	Submersible Electrical Cable #2/0 AWG CU, 4 Wire (Note: to be used on 125/150 HP Submersible Motors)	$26.59	8000	$212,720.00
3.2	Submersible Electrical Cable #4 AWG CU, 4 Wire (Note: to be used on 50/60 HP Submersible Motors)	$11.21	8000	$89,680.00
3.3	Submersible Electrical Cable #1 AWG CU, 4 Wire (Note: to be used on 75/100 HP Submersible Motors)	$22.22	8000	$177,760.00
Guam Pacific Enterprise 2 Year Estimated Cost				**$480,160.00**
Contingency 10%				$48,016.00
Total Requested Funding				**$528,176.00**

JMI Edison	Description	Unit Cost	2 Year Est Qty	Est 2 year Cost
2.0	2HP BPM	$ 1,409.30	80	**$112,744.00**
Contingengy 10 %				$11,274.40
Total Requested Funding				**$124,018.40**

Where is the location?
Island Wide Well and Chlorination Facilities.

How much will it cost?

Contract Renewal 2 years	GPE Contract Renewal with 10% Contingency	$528,176.00
	JMI Contract Renewal with 10% Contingency	$124,274.40
CCU Approval		$652,194.40

When will it be completed?
Purchases over the 2-year contract extensions are required for on-going production well and disinfection system operations and maintenance.

What is the funding source?
Revenue Funds.

The RFP/BID responses (if applicable):
JMI Edison
Guam Pacific Enterprises

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

GWA RESOLUTION NO. 21-FY2019

RELATIVE TO THE APPROVAL OF THE CONTRACT RENEWAL WITH GUAM PACIFIC ENTERPRISE AND JMI-EDISON FOR THE ADDITIONAL PURCHASES OF SUBMERSIBLE CABLES, TEMPERATURE SENSORS AND 2 HP BOOSTER PUMP MOTORS

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA issued Bid Number 2015-08 to solicit bid proposals from experienced and responsive bidders to provide temperature sensors, submersible cables and 2HP booster pump and motors to provide adequate stock replenishment when needed; and

WHEREAS, there were two (2) responsive and responsible bidders who offered temperature sensors, submersible cables and 2HP booster pump and motors meeting requirements in IFB 2015-08 (see Exhibit A – Recommendation of Award); and

WHEREAS, IFB 2015-08 offers were evaluated by GWA's review committee and GWA's review committee determined that the best offer for temperature sensor and submersible cables was made by Guam Pacific Enterprise (see Exhibit B – NTCA GPE); and

WHEREAS, GWA's review committee also determined that the best officer for 2HP booster pump and motor was made by JMI-Edison (see Exhibit C -NTCA JMI); and

WHEREAS, GWA accepted Guam Pacific Enterprise's bid proposal (see Exhibit A) and entered into a three (3) year contract (see Exhibit D – NTP GPE) for 6" temperature sensor at $695.00 each and 8" temperature sensor at $695.00 each for an estimated annual cost of Thirteen Thousand Nine Hundred Dollars ($13,900.00), and for an estimated three (3) year contract amount of Forty One Thousand Seven Hundred Dollars ($41,700.00) and for #4 AWG CU 4-Wire at $ 11.21 per foot, #1 AWG CU Wire at $22.22 per foot and #2/0 AWF CU 4 Wire at $26.59 per foot for an estimated annual cost of One Hundred Seventy Nine Thousand Eight Hundred Sixty Dollars ($179,860.00) and for an estimated three (3) year contract amount of Five Hundred Thirty Nine Thousand Five Hundred Eighty Dollars ($539,580.00), with a grand total to supply the temperature sensors and submersible cables of Five Hundred Eighty One Thousand Two Hundred Eighty Dollars ($581,280.00); and

WHEREAS, GWA accepted JMI Edison's bid proposal (see Exhibit A) and entered into a three (3) year contract (see Exhibit D – NTP JMI) for 2HP booster pump and motor of $1,409.30 each for an estimated annual cost of Forty Nine Thousand Three Hundred Twenty Five Dollars and Fifty Cents ($49,325.50), and for a an estimated three (3) year contract amount of One Hundred Forty Seven Thousand Nine Hundred Seventy Six Dollars and Fifty Cents ($147,976.50); and

WHEREAS, the total amount expensed as of December 2018 for the GPE contract is Five Hundred Seventy-Five Thousand Three Hundred Forty-Five Dollars ($575,345.00) for Submersible Cables; and

WHEREAS, the amount required to extend the GPE contract and purchase additional submersible cables is Four Hundred Eighty Thousand One Hundred Sixty Dollars ($480,160.00) for the additional 2-year contract extension (see Exhibit G), and a ten percent (10%) contingency of Forty-Eight Thousand Sixteen Dollars ($48,016.00). The projected total contract amount for GPE with the two (2) year extension will be One Million One Hundred Three Thousand Five Hundred Twenty-One Dollars ($1,103,521); and

WHEREAS, the total amount expensed as of December 2018 for the JMI contract is One Hundred Thirty-Nine Thousand Two Hundred Fifty-Six Dollars and Twenty-Nine Cents ($139,256.29) for the 2HP booster pump and motors; and

WHEREAS, the amount required to extend the JMI contract and purchase additional 2HP booster pump motors are One Hundred Twelve Thousand Seven Hundred Forty-Four Dollars ($112,744.00) for the additional 2-year contract extension (see Exhibit H); and a ten percent (10%) contingency in the amount of Eleven Thousand Two Hundred Seventy-Four Dollars and Forty Cents ($11,274.40). The projected total contract amount for JMI with the two (2) year contract extension will now be Two Hundred Sixty-Three Thousand Two Hundred Seventy-Four Dollars and Sixty-Nine Cents ($263,274.69); and

WHEREAS, the source of funding for the additional submersible cable and 2HP booster pump motor purchase will be Revenue Funds; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes the management of GWA to proceed with the two (2) year extensions for both the GPE and JMI contracts based on the renewal provisions of IFB 2015-08.
3. The CCU hereby authorizes the management of GWA to purchase submersible cables and temperature sensors from GPE in the amount of Four Hundred Eighty Thousand One Hundred Sixty Dollars ($480,160.00) (see Exhibit F1) plus a ten percent (10%) contingency of Forty-Eight Thousand Sixteen Dollars ($48,016.00) for a total of Five Hundred Twenty-Eight Thousand One Hundred Seventy-Six Dollars ($528,176.00).
4. The CCU hereby authorizes the management of GWA to purchase 2 HP booster pump motors from JMI in the amount of One Hundred Twelve Thousand Seven Hundred Forty Four Dollars ($112,744.00) (see Exhibit F2), plus a ten percent (10%) contingency in the amount of Eleven Thousand Two

Hundred Seventy-Four Dollars and Forty Cents ($11,274.40) for a total of One Hundred Twenty-Four Eighteen Dollars and Forty Cents ($124,018.40).

5. The CCU hereby further authorizes the management of GWA to seek PUC Approval as required by Docket 00-04.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **MICHAEL T. LIMTIACO**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: _____

ABSTENTIONS: _____

ABSENT: _____

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GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

EXHIBIT A

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-08
Ref: Submersible Cables/Booster Pump/Temperature Sensor

Invitation for Bid No: GWA 2015-08 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on August 27, 2015 and open as scheduled on October 09, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. JMI Edison
2. Nidhi Computers
3. G4S Security Systems
4. Guam Pacific Enterprises
5. Matrix Design Group
6. Canton Construction
7. AECOM
8. Utilities Service Specialties
9. HFP Industrial Products
10. Damon Harper
11. ADDS

Of the eleven (11), two (2) submitted their bid package, namely:

- JMI Edison
- Guam Pacific Enterprises

An evaluation committee was formally assembled and met on October 12, 2015 @ 10:00 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

Ref: IFB 2015-08 Submersible Cables/Booster Pump/Temperature Sensor

The committee members reviewed both bid proposal and have determined GPE Enterprises submitted a fair and lowest cost on Item NO: 1.0, 1.1, 3.0, 3.1and 3.2 and with JMI Edison respectfully submitted a fair and lowest cost on Item NO: 2.0 are as followed:

Guam Pacific Enterprises (GPE) submitted cost:

ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	TOTAL COST
1.0	Temperature Sensor 6"	10 EA	$695.00	$6,950.00
1.1	Temperature Sensor 8"	10 EA	$695.00	$6,950.00
3.0	SUBMERSIBLE ELECTRICAL CABLE # 4 AWG CU, 4-WIRE (NOTE: TO BE USED ON 50/60 HP SUBMERSIBLE MOTORS)	10,000 FT	$11.21	$112,100.00
3.1	SUBMERSIBLE ELECTRICAL CABLE # 1 AWG CU, 4-WIRE (NOTE: TO BE USED ON 75/100 HP SUBMERSIBLE MOTORS)	4,000 FT	$22.22	$88,880.00
3.2	SUBMERSIBLE ELECTRICAL CABLE # 2/0 AWG CU, 4-WIRE (NOTE: TO BE USED ON 125/150 HP SUBMERSIBLE MOTORS)	3,000 FT	$26.59	$79,770.00

JMI Edison submitted cost:

ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	TOTAL COST
2.0	BOOSTER PUMP AND MOTOR (GRUNDFOS)	35 EA	$1,409.30	$49,325.50

After a thorough evaluation the committee members agreed and accepted both bid offer from Guam Pacific Enterprises and JMI Edison for each of the bid items listed and has determined they complied with all specifications and requirements and are deem as a responsive and responsible bidder set forth in the IFB.

Ref: IFB 2015-08 Submersible Cables/Booster Pump/Temperature Sensor

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

Karen Cheryl O. Grape, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

3

Ref: IFB 2015-08 Submersible Cables/Booster Pump/Temperature Sensor

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

GREG P. CRUZ, ACTING GENERAL MANGER

Guam
Waterworks
Authority

facsimile transmittal

EXHIBIT B

To: Guam Pacific Enterprises Inc. **Fax:** 649-6988 **PH:** 649-6997

Attn: Sedfrey

From: Tony Camacho **Date:** December 10, 2015

300-6030 (PH)

649-3750 (FX)

Re: Notice of Conditional Award **Pages: 3**

CC:

xx Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Sedfrey,

Please see attached, Notice of Conditional Award for IFB- 2015-08. Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

Transmission Report

Date/Time	12-10-2015	03:44:21 p.m.	Transmit Header Text	
Local ID 1	6716493750		Local Name 1	GWA Procurement Supply

This document : Confirmed
(reduced sample and details below)
Document size : 8.5"x11"

Guam
Waterworks
Authority

facsimile transmittal

To: Guam Pacific Enterprises Fax: 649-6988
Inc. PH: 649-6997
Attn: Sedfrey

From: Tony Camacho Date: December 10, 2015
300-6030 (PH)
649-3750 (FX)

Re: Notice of Conditional Award Pages: 3
CC:

x Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Sedfrey,

Please see attached, Notice of Conditional Award for IFB- 2015-08.
Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

Total Pages Scanned : 3 Total Pages Confirmed : 3

No.	Job	Remote Station	Start Time	Duration	Pages	Line	Mode	Job Type	Results
001	489	6496988	03:25:20 p.m. 12-10-2015	00:00:58	3/3	1	EC	HS	CP26400

Abbreviations:

HS: Host send	PL: Polled local	MP: Mailbox print	CP: Completed	TS: Terminated by system
HR: Host receive	PR: Polled remote	RP: Report	FA: Fail	G3: Group 3
WS: Waiting send	MS: Mailbox save	FF: Fax Forward	TU: Terminated by user	EC: Error Correct

GUAM WATERWORKS AUTHORITY
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

Date: December 07, 2015

Guam Pacific Enterprises Inc.
P.O. Box 23128
GMF, Guam 96921
Phone: 649-6997
Fax: 649-6988

Re: Invitation for Bid Number: IFB 2015-08 Submersible Cables/Booster Pump/ Temperature Sensor

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by- Guam Pacific Enterprises Inc. for the above described reference in response to its Advertisement for Bids dated **August 27, 2015** and you are hereby notified that the submitted bid cost for **Item No. 1.0**, Temperature Sensor 6", **Item No. 1.1**, Temperature Sensor 8", **Item No. 3.0** Submersible Electrical Cable 10,000 feet, **Item No. 3.1**, Submersible Electrical Cable 4,000 feet, **Item No. 3.2**, Submersible Electrical Cable, 3,000 feet has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

/

/

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the

Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By:_____ Title:_____
Signature (please print)

Dated this ____ day of _____, 2015.

* * * * * * * * END OF CONDITIONAL NOTICE OF AWARD * * * * * * *

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the

Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By: _____ Title: President
Signature (please print)

Dated this 10th day of December, 2015.

******** END OF CONDITIONAL NOTICE OF AWARD *******

16716494835 JMI-Edison Industrial 10:12:30 a.m. 12-15-2015 2/3

03:37:58 p.m 12-10-2015 | 4 | 6716493750

6716493750 GWA Procurement Supply 03:29:57 p.m. 12-10-2015 2/3

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

EXHIBIT C

Date: December 07, 2015

JMI-Edison
P.O Box 6577
Tamuning, Guam 96931
Phone: 646-6400
Fax: 649-4835

Re: Invitation for Bid Number: IFB 2015-08 Submersible Cables/Booster Pump/ Temperature Sensor

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by- JMI-Edison for the above described reference in response to its Advertisement for Bids dated **August 27, 2015** and you are hereby notified that the submitted bid cost for **Item No. 2.0**, Booster Pump and Motors (Grundfos) has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

/

/

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By: Jeffrey Baeste
Signature

Title: Operations Manager
(please print)

Dated this 10th day of December, 2015.

******** END OF CONDITIONAL NOTICE OF AWARD *******

16716494835 JMI-Edison Industrial 10:11:49 a.m. 12-15-2015 1 /3

03:37 58 p m 12-10-2015	3	6716493750

6716493750 GWA Procurement Supply 03:29:27 p.m. 12-10-2015 1 /3

Guam
Waterworks
Authority

facsimile transmittal

To: JMI-Edison Fax: 649-4835

Attn: Jeff PH: 646-6400

From: Tony Camacho Date: December 10, 2015

300-6030 (PH)

649-3750 (FX)

Re: Notice of Conditional Award Pages: 3

CC:

xx Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Jeff,

Please see attached, Notice of Conditional Award for IFB- 2015-08. Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

JAN-04-2016 13:20 From:GPE INC 6496988 To:6716493750 P.1/2
6716493750 GWA Procurement Supply 12:01:31 p.m. 01-04-2016 1/2

EXHIBIT D

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

JAN 0 4 2016

NOTICE TO PROCEED

Mr. Sedfrey Linsangan
P.O. Box 23128
GMF, Guam 96921

Telephone: 649-6994/6997
Facsimile: 649-6988

Project No: GWA IFB 2015-08
Project Name: Cables, Submersible Pumps/Temperature Sensors

Dear Mr. Linsangan

You are hereby notified to commence work in accordance with the contract dated 10th day of December 2015. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-08 Cables, Booster Pumps & Temperature Sensors

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 4th day of January 2016.

Contractor: GPE INC.

Print Name & Title: Sedfrey M Linsangan President

Signature:

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

JAN 0 4 2016

NOTICE TO PROCEED

EXHIBIT E

Mr. Jeff Paeste
P.O. Box 6577
Tamuning, Guam 96931

Telephone: 646-6400
Facsimile: 649-4835

Project No: GWA IFB 2015-08
Project Name: Cables/Booster Pumps/Temperature Sensors

Dear Paeste,

You are hereby notified to commence work in accordance with the contract dated **10th** day of **December 2015**. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-08 Cables, Booster Pumps & Temperature Sensors

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 4TH day of January, 2016.

Contractor: JMI Edison

Print Name & Title: JEFF PAESTE, Operations Manager

Signature:

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

EXHIBIT F - 1

GUAM PACIFIC ENTERPRISE

Estimated Purchase Quantity and Cost for 2 Year Contract Renewal

Guam Pacific Enterprise	Description	Unit Cost	2 Year Est Qty	Est 2 year Cost
3.1	Submersible Electrical Cable #2/0 AWG CU, 4 Wire (Note: to be used on 125/150 HP Submersible Motors)	$26.59	8000	$212,720.00
3.2	Submersible Electrical Cable #4 AWG CU, 4 Wire (Note: to be used on 50/60 HP Submersible Motors)	$11.21	8000	$89,680.00
3.3	Submersible Electrical Cable #1 AWG CU, 4 Wire (Note: to be used on 75/100 HP Submersible Motors)	$22.22	8000	$177,760.00
Guam Pacific Enterprise 2 Year Estimated Cost				**$480,160.00**
Contingency 10%				$48,016.00
Total Requested Funding				**$528,176.00**

Guam Pacific Enterprise IFB 2015-08 Date Acknowledgements

IFB 2015-08	Guam Pacific Enterprise
Notice of Conditional Award	Dec 15, 2015
Notice to Proceed	Jan 4, 2016
3 Year Contract	Jan 4, 2019
2 Year Contract Renewal	Jan 29, 2019

GUAM WATERWORKS AUTHORITY
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Tel: (671) 300-6846

EXHIBIT F - 2

JMI EDISON

Estimated Purchase Quantity and Cost for 2 Year Contract Renewal

JMI Edison	JMI Edison	Unit Cost	2 Year Est Qty	Est 2 year Cost
2.0	2HP BPM	$ 1,409.30	80	**$112,744.00**
Contingency 10 %				$11,274.40
Total Requested Funding				**$124,018.40**

JMI - Edison IFB 2015-08 Date Acknowledgements

IFB 2015-08	JMI Edison
Notice of Conditional Award	Dec. 15, 2015
Notice to Proceed	Jan. 4, 2016
3 Year Contract	Jan 4, 2019
2 Year Contract Renewal	Jan 29, 2019

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

EXHIBIT G

Guam Pacific Enterprises
P.O. Box 23128
Tamuning, Guam 96931
GMF, Guam 96921
Ph: 649-6994/6997 Fax: 649-6988

Project No: GWA IFB 2015-08
Project Name: Cable/Booster Pumps/Temperature Sensors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Linsangan,

We would like to inform you IFB 2015-08 Cable/Booster Pumps/Temperature Sensors bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If GPE agrees to renew this contract, please acknowledge by signing below;

Date: 1/29/19

Sedfrey Linsangan,
President.

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

EXHIBIT H

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-08
Project Name: Cable/Booster Pumps/Temperature Sensors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-08 Cable/Booster Pumps/Temperature Sensors bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

Date: 1/29/19

Romeo Oriondo,
Operations Manager.

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 22-FY2019
Relative to Approval of Fund Increase to the Agat/Santa Rita Wastewater Treatment Plant Construction Project

What is the projects objective and is it necessary and urgent?
GWA has executed multiple Change Orders to the project's scope of work (SOW) and anticipates additional Change Order(s) to address necessary improvements, including enhancements to the main electrical service, additional paving to the existing entrance road, and other miscellaneous modifications recommended by GWA Operations, will be required. GWA management is seeking CCU approval to increase the funding authorization for the project.

Where is it at?
The construction activities are located in the Village of Agat across from the Navy Camp Covington.

How much will it cost?
The funding authorization will increase an additional Five Hundred Forty Thousand Dollars ($540,000.00) to bring the total authorized funding to Fifty-Nine Million Five Hundred Fifty Thousand Dollars ($59,550,000.00)

When will it be completed?
GWA expects the contractor to be completed with all work by June 2019.

What is the funding source?
The funding for this project will be from the Bond Funds under the line items CIP WW 11-08 "Agat/Santa Rita STP Replacement", System Development Charges and Internally Funded CIP, where applicable.

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

RESOLUTION NO. 22–FY2019

RELATIVE TO APPROVAL OF FUND INCREASE TO THE AGAT/SANTA RITA WASTEWATER TREATMENT PLANT CONSTRUCTION PROJECT

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical Court Order ("CO") projects including a complete evaluation of the Agat Santa Rita WWTP to determine what improvements are necessary at the plant to achieve compliance with the WWTP's NDPES permit and eliminate by-passes at the plant, as stated in Paragraph 10 of the 2011 Court Order; and

WHEREAS, the system evaluation report prepared in December of 2013 by EA Engineering, a sub-consultant to GWA's Program Management Office, resulted in a recommendation to GWA and the USEPA that the existing Agat Santa Rita WWTP needs to be replaced; and

WHEREAS, in March of 2014 GWA began the procurement process to find a consulting engineering team to design the new WWTP and via Resolution 34-FY14, approved by the CCU in August of 2014, GWA management was authorized to enter into a contract with Duenas Camacho and Associates to design the new wastewater treatment plant on property already designated for WWTP use and located adjacent to the Tipalao Sewer Pump Station; and

WHEREAS, GWA has determined that the most expedient process to meeting the Court Order Paragraph 11 deadline of December 31, 2016 was to break the construction activities into

two phases with Phase I for Clearing and Grading and Phase II for all vertical and plant process construction; and

WHEREAS, GWA management obtained CCU and PUC approval via Resolution 28-FY15 and PUC Order 15-06, respectively, to reallocate 2013 bonds proceeds in the amount of $48,200,000.00 to the CIP line Item WW 11-08 "Agat/Santa Rita STP Replacement" as means of ensuring GWA will have sufficient funding to enter into a contract with the lowest responsible and responsive bidder for the Phase II construction project; and

WHEREAS, Resolution 10-FY2016 was approved by the CCU on December 10, 2015, which authorizes a funding total in an amount not to exceed Fifty-Nine Million Ten Thousand Dollars ($59,010,000); and

WHEREAS, GWA executed the construction contract with SMCC on January 8, 2016, as GWA Project No. S14-007-BND, in the amount of Fifty-Six Million Two Hundred Thousand Dollars ($56,200,000); and

WHEREAS, GWA has executed multiple Change Orders to the project's scope of work (SOW) which has increased the construction contract value to Fifty-Eight Million Two Hundred Ninety-Three Thousand Seven Hundred Ninety-Two Dollars and Eighty-Three Cents ($58,293,792.83); and

WHEREAS, GWA anticipates further change orders will be forthcoming to address a variety of construction issues, including additional paving, electrical system enhancements, and miscellaneous modifications, and as such GWA management seeks CCU approval to increase the funding authority an additional Five Hundred Forty Thousand Dollars ($540,000.00) to bring the total funding authorization to Fifty-Nine Million Five Hundred Fifty Thousand Dollars ($59,550,000); and

WHEREAS, funding for this project will be from the Bond Funds under the line items CIP WW 11-08 "Agat/Santa Rita STP Replacement", System Development Charges, Internally Funded CIP, if applicable; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
3. The CCU hereby approves the increase in funding authorization an additional Five Hundred Forty Thousand Dollars ($540,000.00) to bring the total authorized funding for the project to Fifty-Nine Million Five Hundred Fifty Thousand Dollars ($59,550,000).
4. The CCU hereby further approves funding for this project to be from the Bond Funds under the line items CIP WW 11-08, System Development Charges and Internally Funded CIP, if applicable.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April 2019.

Certified by:

_____

JOSEPH T. DUENAS
Chairperson

Attested by:

_____

MICHAEL T. LIMTIACO
Secretary

//

//

//

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: _____

ABSTENTIONS: _____

ABSENT: _____

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GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 23- FY2019
Relative to Approval of Change Order No. 8 for Agat-Santa Rita Wastewater Treatment Plant Upgrade Construction Management Contract

What is the project's objective and is it necessary and urgent?
The construction management change order(s) for CM services will allow for a continuity of services as it relates to any construction extension at the new Agat-Santa Rita WWTP Upgrades project due to delays in construction completion. The construction contractor, Sumitomo Mitsui Construction Company (SMCC), now projects that project completion will be at the end of June 2019.

Currently the remaining major items to be completed are the equalization basin and maintenance building.

Where is the location?
The project location is at the New Agat Santa Rita Wastewater Treatment Plant in Agat.

How much will it cost?
The fees for CM services is approximately One Hundred Twenty-Five Thousand Dollars ($125,000.00) a month, therefore GWA management is seeking approval to increase authorized funding for Two Hundred Fifty Thousand Dollars ($250,000.00) for the months of May and June 2019.

When will it be completed?
The construction contractors latest schedule shows the project completion will be by the end of June 2019.

What is the funding source?
Funding for Change Order to GHD will be from any available bond funds under the line item - WW 11-08 "Agat/ Santa Rita STP Replacement", System Development Charge funds, Internally Funded CIP funds as well as Liquidated Damages of $5,000 per day from the contractor beginning September 1, 2018.

The RFP/BID responses (if applicable):
Not Applicable.

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

RESOLUTION NO. 23-FY2019

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 8 FOR THE AGAT SANTA RITA WASTEWATER TREATMENT PLANT UPGRADE CONSTRUCTION MANAGEMENTCONTRACT

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical Court Order ("CO") projects including work required at the Agat Santa Rita Wastewater Treatment Plant that is necessary for the plant to achieve compliance with the WWTP's NDPES permit, eliminate by-passes at the plant, ensure that solids generated by the WWTP are adequately stabilized and dewatered, and to comply with sludge and biosolids requirements 40 C.F.R. Part 503 as stated in Paragraph 11 of the 2011 Court Order; and

WHEREAS, GWA executed contracts with Sumitomo Mitsui Construction Company (SMCC) to construct the new WWTP and with GHD, Inc. to provide construction management services; and

WHEREAS, the construction activities have been delayed and completion of all construction activities by SMCC is now expected to extend through June 2019; and

WHEREAS, the CM Services have been extended only through April 30, 2019, as per Change Order No. 7 which was authorized via Resolution No. 17-FY2018, and

WHEREAS, with the new anticipated construction completion moving to the end of June 2019 GWA estimates additional CM services being provided on a time & material basis would not exceed One Hundred Twenty-Five Thousand Dollars ($125,000.00) per month, based on scope and effort estimates which GWA is currently finalizing with GHD; and

WHEREAS, GWA management seeks CCU approval to increase the funding authorization an additional amount not to exceed Two Hundred Fifty Thousand Dollars ($250,000) to compensate GHD for CM services through June 30, 2019; and

WHEREAS, approval of the funding authorization increase and subsequent Change Order will result in a total contract amount for CM services to be Six Million Three Hundred Fifty Thousand Eight Hundred Ten Dollars ($6,350,810.00); and

WHEREAS, funding for this project will be from the bond funds under the line item - WW 11-08 “Agat/ Sta Rita STP Replacement”, System Development Charges, Internally Funded CIP, as well as Liquidated Damages of $5,000 per day from the contractor beginning September 15, 2018, where applicable; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the conditions set by GWA relative to commencement of subsequent work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
3. The CCU hereby approves an increased funding authorization to an amount not to exceed of Two Hundred Fifty Thousand Dollars ($250,000).
4. The CCU hereby further approves GWA management execute a Change Order with GHD for additional CM services to bring the total contract amount to Six Million Three Hundred Fifty Thousand Eight Hundred Ten Dollars ($6,350,810.00).

5. The source of funding for the additional CM services will be from the bond funds under the line item - WW 11-08 “Agat/ Sta Rita STP Replacement”, System Development Charges, Internally Funded CIP, as well as Liquidated Damages of $5,000 per day from the contractor beginning September 15, 2018.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS
Chairperson

MICHAEL T. LIMTIACO
Secretary

SECRETARY’S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: _____

ABSTENTIONS: _____

ABSENT: _____

///

///

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution 26-FY2019
Relative to Approval of Change Oder No. 2 for Asan Springs Rehabilitation Project

What is the project's objective and is it necessary and urgent?
The objective of the change order is to authorize additional design and environmental services that are necessary for GWA to complete our on-going project to improve water distribution system functionality and reliability for areas serviced by Asan Springs. The project's design scope is on-going, however, following the discovery that about one-third of the facility sits on property owned by the National Park Service, a more detailed condition assessment of the site and discussion with federal agencies, have revealed that additional environmental assessment and biological investigation are required to determine the environmental impact of the project. This will include a biological surveys and investigations to determine the presence of any endangered species or their habitats exist on the site. These environmental requirements have increased due in part to the use of federal lands on the project, making the additional work necessary for the construction of the project.

Due to the size and complexity of the project, GWA finds that it is in the best interest of the Authority to have the current engineering consultant conduct the additional work so as to expedite the design package preparation. Having the current consultant handle the additional work also flattens the learning curve, given the design consultant is already are familiar with the site, entities involved and the system improvement needs.

How much will it cost?
The proposal is still being negotiated but Management estimates the cost for the additional design services not to exceed the latest proposal of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00).

When will it be completed?
The design schedule will extend to October 2019, however, there are potential land acquisition issues for the site thus additional time may be needed. GWA will not know until the property conflicts are resolved.

What is the funding source?
The source of funding will be from Bond Funds under CIP line item PW 05-15.

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

RESOLUTION NO. 26-FY2019

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 2 FOR ASAN SPRINGS WATER SUPPLY FACILITIES

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA is currently working to revitalize the Asan Springs facility to distribute the source water to the surrounding customers; and to reduce or eliminate the water purchased from the Navy; and

WHEREAS, the CCU has approved Resolution No. 46-FY2016 in July 2016 that authorizes GWA to enter into contract with HDR for design services related to Asan Springs Rehabilitation project for an amount of Three Hundred Seventy-Four Thousand Four Hundred Seventy Dollars ($374,470.00); and

WHEREAS, the CCU also approved a ten percent (10%) contingency of Thirty-Seven Thousand Four Hundred Forty-Seven Dollars ($37,447.00) to bring the total authorized funding amount to Four Hundred Eleven Thousand Nine Hundred Seventeen Dollars ($411,917.00) for the design services; and

WHEREAS, the design services HDR is already required to perform for Asan Springs Rehabilitation includes:

(1) site investigations, and system evaluations of the existing Asan Springs Water Facility, and

(2) development of design plans and specifications for repairing historical damage to a 100,000-gallon spring water impoundment, booster station upgrades, instrumentation and control upgrades, control valve upgrades, pipe upgrades, installation of new disinfection equipment and other general site and system upgrades; and

WHEREAS, GWA issued Change Order No. 1 to HDR in January 2019 in the amount of Thirty-Five Thousand Five Hundred Ninety-Nine Dollars ($35,599.00) for additional services required for land acquisition and federal permitting needs in which the total value of the Contract was increased to Four Hundred Ten Thousand Sixty-Nine Dollars ($410,069.00); and

WHEREAS, GWA engineering has further determined, through the course of the design work with the engineering consultant, that additional water distribution system improvements associated with the work noted above require increased detailed design as well as additional environmental work needed to address NEPA requirements due to federal property ownership, thus expanding the designer's scope of work; and

WHEREAS, GWA management finds that the design of the necessary water distribution system improvements and related environmental work would be best handled by the current design consultant given the alternative solutions were provided by them; and

WHEREAS GWA management expects the final design to be completed expeditiously and that savings in consulting costs would be realized in using the existing consultant, as opposed to issuing a whole new Request for Proposal for the necessary design and consulting work; and

WHEREAS, GWA is requesting for additional environmental and design work which includes the following:

(1) a National Environmental Policy Act (NEPA) Environmental Assessment with associated planning and agency coordination,

(2) additional coordination with USACE to confirm that no Clean Water Act Section 404 permitting is required,

(3) additional documentation and coordination for compliance with the Coastal Zone Management Act,

(4) federal biological resources investigation and biological assessment of the site to address the possibility of newly listed endangered species being present on the Asan Springs site and assess the potential impacts to those species,

(5) and possible translocation and monitoring of the endangered species, should any be found

WHEREAS, GWA engineering and HDR are in negotiations for the price for the services to be provided, and the current proposal is in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00) (Exhibit A – Scope of Work and Fees); and

WHEREAS, GWA Management is seeking CCU approval of a not-to-exceed amount as outlined in the current fee proposal relative to Change Order No. 2 in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00) to fund the additional design and environmental services; and

WHEREAS, GWA Management further seeks CCU approval of the total fund authorization for the design contract with HDR for a not-to-exceed amount of Seven Hundred Ninety-Four Thousand Five Hundred Twelve Dollars ($794,512.00); and

WHEREAS, funding for this project will be from 2010 Bond Funds under CIP line item PW 05-15 Rehabilitation of Asan Springs; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the fee proposal submitted by HDR are fair and reasonable.

3. The CCU finds that the terms of the conditions set by GWA relative to the commencement of subsequent work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
4. The CCU hereby authorizes GWA management to execute a Change Order with HDR (Exhibit A) in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00).
5. The CCU hereby further approves the funding authorization to an amount of Seven Hundred Ninety-Four Thousand Five Hundred Twelve Dollars ($794,512.00).
6. The CCU hereby further approves the funding will be Bond Funds under the CIP line items PW 05-15 “Rehabilitation of Asan Springs”.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April 2019.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

//

/

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//

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: _____

ABSTENTIONS: _____

ABSENT: _____

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Exhibit A

February 1, 2019

Mr. Brett Railey, PE
Senior Engineering Supervisor
The Guam Waterworks Authority
Engineering Division
Gloria B. Nelson Public Service Building
688 Rt. 15
Mangilao, Guam 96913

SUBJECT: Engineering Design Services – Change Order #2-Revised, Asan Springs Rehabilitation Project
RFP-11-ENG-2015, GWA Project No. W11-003-BND

Dear Mr. Railey,

HDR appreciates the opportunity that we have had to provide design services in relation to this project. As our work has progressed and continues to progress, we have identified areas that have exceeded what our original scope of work and proposal fee had included. We have detailed these below:

Task 5 – Detailed Design

a. The original scope of work was prepared based upon our initial review of the site and anticipated effort prior to conducting any detailed condition assessment of the site. In our initial estimate for the construction drawings, we had estimated approximately 25 sheets to be prepared by HDR, which included a combination of general information, process flow, civil, minor structural, electrical and instrumentation sheets. Additionally, approximately 4 sheets were planned to be produced by our subconsultant, Coffman Engineers, for the mechanical design for the project to bring a total sheet count to approximately 30 sheets.

   The design has resulted in our total sheet count to increase by approximately 28 sheets for a total sheet count of 58 sheets, excluding sheets that were prepared in association with the new chlorination building. These new sheets have included additional sheets needed for the drainage, concrete ditch, additional structural sheets needed for the impoundment repairs after a structural investigation was performed on the interior and exterior of the structure, additional electrical/instrumentation for the chlorination building and SCADA requirements, and lastly additional detail sheets.

hdrinc.com

134 W Soledad AvenueSuite 404Hagåtña, GU 96910-5079
(671) 989-5558

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Total Task 5a Additional Fee: $83,555 (Excluding GRT)

New Task 8 – Environmental Services

Subtask 8.1 – National Environmental Policy Act (NEPA) – Environmental Assessment

It is anticipate that a categorical exclusion is not the appropriate level of NEPA for construction activity associated with restoring the Asan Springs Water Supply Facility (ASWSF) to full production capacity. Therefore, HDR believes that an Environmental Assessment (EA) is the appropriate level of impact assessment for this project. It is anticipated that the National Park Service (NPS) will be identified as the lead federal agency for preparing this document, therefore the remaining scope is prepared with the assumption that NPS is the lead federal agency and all work products will be developed under the supervision of NPS.

HDR will develop an EA in compliance with the Council on Environmental Quality (CEQ) regulations implementing the National Environmental Policy Act (NEPA) at 40 CFR 1500-1508, the NPS NEPA compliance guidance handbook (Director's Order [DO]-12, *Conservation Planning, Environmental Impact Analysis, and Decision-making*), and the recent Department of Interior (DOI) Secretarial Order regarding streamlining NEPA (SO 3355).

This task will include conducting the following:

Subtask 8.1a – Planning and Agency Coordination

- HDR will begin the development of the EA by setting up an Administrative Record (AR) with an index system from the outset. In keeping with NEPA's implementing regulations, the AR will consist of any documents and materials that will directly or indirectly be considered by the NPS, regardless of whether such documents or materials are supportive or contrary to the final agency action. HDR will prepare the AR in accordance with Federal Administrative Record Guidelines. We have developed a system for receiving, organizing, archiving, and making all Administrative Record documents available to the entire project team - including HDR and client team members - using SharePoint sites. All electronic Administrative Record documents and an updated index would be accessible to NPS throughout the duration of the project.

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Subtask 8.1b – Kickoff Meeting and Scoping

- Following the implementation of this change order, HDR's NEPA Project Manager will collaboratively facilitate and organize the project kick-off meeting. Inclusion of all major involved resource leads in the kick-off meeting would allow consensus and confirmation of the roles and responsibilities of each party; early identification and understanding of critical points in the process ahead, and establishment of communication and work flow protocols would facilitate efficiency and collaboration throughout the remainder of the NEPA process.
- HDR's NEPA Project Manager will also refine the project schedule and internally distribute the document template and guidelines. HDR will utilize existing data, whenever available, to develop the associated EA in accordance with NPS policies. HDR will work with NPS to define the Purpose and Need and Description of the Proposed Action. In coordination with NPS and as part of the scoping process, we will determine which environmental resource topics should be included for detailed analysis and which should be dismissed from further consideration in the EA to ensure a streamlined and focused document. Key resource areas anticipated for consideration in the EA include water, soils, vegetation, wildlife, noise, land use, cultural resources, aesthetics, park operations, and socioeconomics.
- Our environmental resource leads will identify and analyze the environmental impacts of the proposed action and no action alternative. This may include, but not necessarily be limited to: conducting literature searches; preparing graphs, maps, charts and tables; calculating; interviewing experts; and documenting such research, analyses, or use of professional judgment in the absence of preexisting information. We will utilize GIS for any needed data analysis and mapping. GIS data will be compiled from existing sources. If available, aerial photography will be used as a backdrop for much of the GIS in the desktop evaluation and in maps and figures. Data deliverables will comply with the standards established by the Spatial Data Standards for Facilities, Infrastructure, and Environment, as well as a Federal Geographic Data Committee, and other data standards as needed.

Subtask 8.1c – NEPA Preliminary Draft EA

- Prepare a preliminary draft EA analyzing the proposed action and no action alternative.

Subtask 8.1d – NEPA Draft EA

- Prepare a public draft EA after receiving and addressing comments from both GWA and the National Park Service.

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- Conduct the required 30 day public review of the draft EA.

Subtask 8.1e – NEPA Final EA

- Prepare a final EA after receiving and addressing public comments. HDR will also prepare a draft Findings of No Significant Impacts (FONSI), if determined to be appropriate.

Deliverables:

- One (1) Electronic copy of kickoff meeting materials and minutes.
- One (1) Electronic copy of mailing list
- One (1) Electronic copy of scoping notices and stakeholder letters
- Two (2) Scoping Notice Placements in local newspapers or record and mailing of letters
- One (1) Electronic copy of scoping report
- Two (2) Hard copies and electronic copies of Preliminary Draft EA to GWA and NPS.
- Two (2) Electronic copies of Draft EA to GWA and NPS.
- Six (6) Hard copies, six (6) electronic copies of Draft EA to repositories.
- One (1) Electronic copy of notice of availability and stakeholder letters
- Two (2) Notice of Availability placed in local newspaper of record and mailing of letters
- One (1) Electronic copy of public comment report
- Two (2) Hard copies and two (2) electronic copies of Final EA to GWA and NPS each.
- One (1) Electronic copy of Administrative Record.

Total Task 8.1a Additional Fee: $15,100 (Excluding GRT)

Total Task 8.1b Additional Fee: $23,080 (Excluding GRT)

Total Task 8.1c Additional Fee: $49,355 (Excluding GRT)

Total Task 8.1d Additional Fee: $29,755 (Excluding GRT)

Total Task 8.1e Additional Fee: $29,955 (Excluding GRT)

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Subtask 8.2 – Clean Water Act 404 Permitting

- United State Army Corps of Engineers (USACE) has made a preliminary determination that the existing site is part of the Waters of the Territory and under USACE jurisdiction, however, there are no anticipated activities that will be placing fill or dredged material within the Waters of the Territory. Because of this, no Individual Permit or Nationwide Permit Applications are required.

- HDR proposes to prepare a letter to USACE outlining the basis for why no CWA Section 404 permit is required and requesting that USACE provide GWA a "No permit required" letter in response. This letter will involve listing out in detail the individual construction activities that will occur on the site.

- This task also includes additional coordination, as required, with USACE.

Deliverable: One (1) hard copy and one (1) electronic copy of the letter.

Total Task 8.2 Additional Fee: $2,850 (Excluding GRT)

Subtask 8.3 – Bureau of Statistics and Plans – Guam Coastal Management Program - Federal Consistency Permit

In compliance with the Coastal Zone Management Act, any project that affects any land use, water use or natural resource of the coastal zone must comply with the Guam Costal Management Program. HDR will assist GWA and/or the Federal agency responsible for the submission by providing the supporting documentation and coordination, as needed.

Total Task 8.3 Additional Fee: $9,280 (Excluding GRT)

Subtask 8.4 – Federal Biological Resources Investigation and Biological Assessment

Because of the newly listed endangered species that became effective on November 1, 2015 and the letter received by GWA on October 12, 2018, from the United States Fish and Wildlife Service (USFWS), HDR is proposing a biological resources site visit and investigation to determine the presence of any endangered species on the site or the habitat to support the endangered species.

It is highly anticipated that the endangered Partula radiolata (Guam tree snail) will be found within the affected area of the site, therefore it is anticipated that a translocation will be

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required. This work has also been included within this scope, along with anticipated monitoring requirements. Final requirements will have to be determined after consultation with USFWS.

This task would include performing the following:

Subtask 8.4a – Federal Biological Resources Site Visit & Investigation

- Pre-Construction Federally Listed Snail Survey and Report – A pre-construction survey will be conducted by a USFWS approved biologist to identify if any federally listed snails are found within the project area as shown on Exhibit 1 included in this proposal. It is estimated that the fieldwork can be conducted within three (3) days. It is anticipated that USFWS will require this work to be conducted during the wet season of the year.

Subtask 8.4b – Federal Biological Resources Mapping and Biological Assessment

- Findings will be presented in a biological assessment with appropriate mapping indicating locations of any findings of federally listed species. The biological assessment will also analyze the potential impacts to any federally listed species that have the potential to occur in the project area.

  Deliverable: One (1) hard copy and one (1) electronic copy of the biological assessment.

Subtask 8.4c - Federally Listed Snail Translocation

- Should federally listed snails be identified within the project area, a snail translocation will be performed in coordination with the USFWS to a location approved by USFWS. The translocation assumes that no more than two (2) separate day visits will be required to locations where snails had been recorded in the project area to perform translocation and assumes that three (3) separate day visits with negative finds will be required to satisfy USFWS that all snails have been translocated. Additionally, the translocation assumes that no more than 50 listed snails are located within the project area to be relocated. It is anticipated that USFWS will require this work to be conducted during the wet season of the year.

Subtask 8.4d - Federally Listed Snail Translocation Monitoring and Final Report

- A one (1) year, bi-weekly monitoring will be conducted for snails that were translocated under Task 8.4c. A final report summarizing the results of the translocation and monitoring efforts, data sheets and geospatial data will be developed.

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Deliverable: One (1) hard copy and one (1) electronic copy of the field report.

Total Task 8.4a Additional Fee: $17,640 (Excluding GRT)

Total Task 8.4b Additional Fee: $21,830 (Excluding GRT)

Total Task 8.4c Additional Fee: $28,670 (Excluding GRT), as applicable

Total Task 8.4d Additional Fee: $49,060 (Excluding GRT), as applicable

Exclusions/Assumptions:

- An EA is the appropriate level of NEPA documentation.
- NPS will be the lead federal agency.
- Only the Proposed Action and No Action Alternative will be assessed in full.
- Visual simulations will not be required as part of the scope.
- No public meetings are anticipated to be required, therefore they have been excluded from this scope.
- No cultural resource surveys are included in this scope.
- No US Archaeological Resources Protection Act (ARPA) permits are included in this scope to be prepared.
- No other environmental permits are included in this scope to be prepared.

Schedule

It is proposed that services for Task 8.1a to 8.4b will be performed over a time period not to exceed six (6) months from the receipt of this change order. Services for Task 8.4c and 8.4d are dependent on the requirements of USFWS, but are not expected to exceed twelve (12) months of monitoring with an additional one (1) month for preparation of the final monitoring report.

Compensation

It is proposed that services for Task 5 and Task 8.3a be performed on a lump sum basis and all other tasks be performed on a time and materials basis.

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The table below summarizes the total change order fee for the services as outlined in Task 5 and new Tasks 8.1a through 8.4d. Since Tasks 8.4c & 8.4d are dependent on the outcome of Task 8.4a, these have been listed separately as optional additional fees as shown in the table below. All fees listed in the table are inclusive of GRT.

Total Contracted Fee ***(Inclusive of Change Order #1)***	**$410,069**
Total Change Order Fee (Task 5 & 8.4a)	$105,412
Total Change Order Fee (Task 8.1a - 8.1e, 8.2, 8.3 & 8.4b)	$196,213
Total Change Order Fee (Task 8.4c) (Optional)	$29,865
Total Change Order Fee (Task 8.4d) (Optional)	$51,104
Subtotal of Change Order #2	**$382,595**
Total Revised HDR Fee	**$792,664**

A summary of the change order fee in the requested GWA format is attached to this letter.

Sincerely,
HDR Engineering, Inc.

Clifford P. Lum, P.E.
Water Business Group Manager

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Design Services for Asan Springs Water Treatment Facility
GWA Project No. W11-003-BND
Change Order #2
Lump Sum Fee Worksheet

		HDR														
Task Number	**Task Description**	**Principal Engineer**	**Project Manager**	**QA/QC**	**Senior Water Process Engineer**	**Senior Engineer - Structural**	**Senior Engineer - Electrical**	**Project Engineer**	**Senior Biologist**	**Biologist**	**GIS Analyst**	**Technical Editor**	**CAD**	**Accounting**	**Clerical**	**Sum Total**
	Hourly Labor Rates/Unit Prices	$255	$195	$255	$255	$205	$205	$145	$165	$125	$125	$100	$140	$115	$75	
5.0	**Detailed Design**															
5.27	Additional Drawings	0	24	14	16	16	92	65	0	0	0	0	230	0	0	$76,095
5.28	Additional Specifications	0	4	4	8	4	8	8	0	0	0	0	0	0	0	$7,460
	SUBTOTAL	0	28	18	24	20	100	73	0	0	0	0	230	0	0	**$83,555**
8.0	**Environmental Services**															
8.4a	Federally Listed Biological Resources Investigation - Fieldwork	0	0	0	0	0	0	0	50	24	8	0	0	8	0	$13,170
	SUBTOTAL	0	0	0	0	0	0	0	50	24	8	0	0	8	0	**$13,170**

Airfare	$2,500
Hotel/Rental Car	$1,500
Per Diem	$350
Mileage Reimbursement	$0
Printing, Scanning and Binding	$0
Field Supplies, Misc.	$120

HDR SUBTOTAL (Tasks 1-8)	**$101,195**
Total Subcontractor Subtotal	$0
Subconsultant Markup (10%)	$0
Total Subtotal Fee (Task 1-8)	$101,195
GUAM GRT TAX (4.167%)	$4,217
TOTAL LUMP SUM FEE (Task 1-8)	**$105,412**

Last Updated: 1/31/2019

Design Services for Asan Springs Water Treatment Facility
GWA Project No. W11-003-BND
Change Order #2
Time and Materials Fee Worksheet

		HDR																	Subconsultants Search	
Task Number	**Task Description**	**Principal Engineer**	**Project Manager**	**Technical Advisor - QA/QC**	**Senior Water Process Engineer**	**Senior Engineer - Structural**	**Senior Engineer - Electrical**	**Environmental Scientist**	**Project Engineer**	**NEPA Project Manager**	**Senior NEPA Specialist**	**NEPA Analyst**	**Senior Biologist**	**Biologist**	**GIS Analyst**	**Technical Editor**	**CAD**	**Accounting**	**Clerical**		**Sum Total**
	Hourly Labor Rates/Unit Prices	$255	$195	$255	$255	$205	$205	$125	$145	$195	$170	$125	$165	$125	$125	$110	$140	$115	$75	-	
8.0	**Environmental Services**																				
8.1a	NEPA Planning, Agency Coordination	0	24	0	0	0	0	0	0	40	10	0	0	0	0	0	0	8	0		$15,100
8.1b	NEPA Kickoff and Scoping	0	10	0	0	0	0	0	0	40	20	40	0	0	30	0	0	0	8		$22,500
8.1c	NEPA Preliminary Draft EA	0	2	16	0	0	0	0	0	80	40	60	60	0	40	24	0	0	0		$51,910
8.1d	NEPA Draft EA	0	2	0	0	0	0	0	0	40	40	40	40	0	20	20	0	0	0		$31,290
8.1e	NEPA Final EA	0	2	16	0	0	0	0	0	40	40	40	20	0	20	20	0	0	0		$32,070
8.2	CWA 404 Agency Letter	0	8	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0		$2,850
8.3	CZMA Support	0	4	0	0	0	0	0	0	10	0	0	30	0	8	6	0	0	0		$9,340
8.4b	Federally Listed Biological Resources Investigation - Biological Assessment	0	24	0	0	0	0	8	0	0	0	0	60	32	12	6	0	0	0		$21,740
8.4c	Federally Listed Snail Translocation	0	8	0	0	0	0	0	0	0	0	0	72	56	12	0	0	16	0		$23,780
8.4d	Federally Listed Snail Monitoring and Report	0	48	2	0	0	0	0	0	0	0	0	26	240	36	0	0	0	0		$48,660
	SUBTOTAL	0	132	36	0	0	0	8	0	254	150	180	308	328	178	76	0	24	8	$0	**$259,240**

Airfare	$2,500
Hotel/Rental Car	$1,800
Per Diem	$490
ileage Reimbursemer	$300
ing, Scanning and Bin	$605
Mailing, Newspaper Ads, Misc.	$1,160

HDR SUBTOTAL	**$266,095**
Total Subcontractor Subtotal	$0
Subconsultant Markup (10%)	$0
Total Subtotal Fee	$266,095
GUAM GRT TAX (4.167%)	$11,088
TOTAL TIME AND MATERIALS FEE	$277,183
TOTAL LUMP SUM FEE (FROM PAGE 2)	$105,412
GRAND TOTAL FEE	**$382,595**

Last Updated: 1/31/2019

Design Services for Asan Springs Water Treatment Facility
GWA Project No. W11-003-BND
Change Order #2
Rate Schedule for Professional Services

Category	Assigned Hourly Rate
Principal Engineer	$255
Technical Advisor/QAQC	$255
Project Manager	$195
Senior Water Process Engineer	$255
Senior Engineer (Structural/Electrical)	$205
NEPA Project Manager	$195
Senior NEPA Specialist	$170
NEPA Analyst	$125
Environmental Scientist	$125
Senior Biologist	$165
Mechanical Engineer (Coffman)	$155
Electrical Engineer (Coffman)	$155
Project Engineer	$145
NEPA Analyst	$140
Biologist	$140
CAD Designer	$140
GIS Analyst	$125
Archaeological Monitor (SEARCH)	$125
Technical Editor	$100
Accounting	$110
Administration	$75

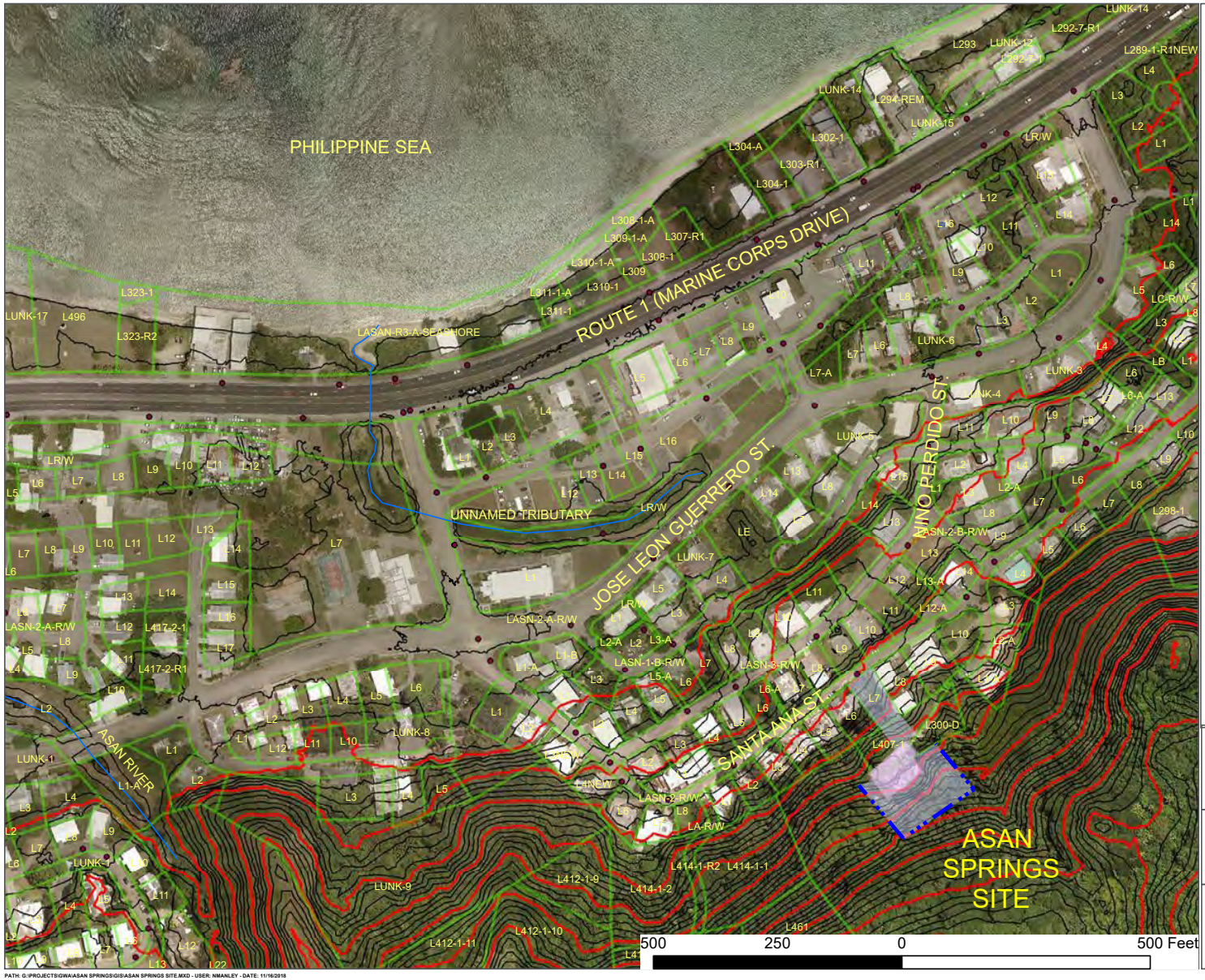
Reimbursable Expenses:

Printing	
22"x34" Large Format Print	$1/sheet
Scanning	
22"x34" Large Format Scan	$1/sheet
Report Binding	
8.5"x11" Report Size	Actual rate of binding for each report deliverable
Mileage	Reimbursed at the effective IRS allowable rate (Currently $0.58/mile)
Airfare	Reimbursed at actual cost (Estimated at $2500 round trip)
Hotel	Reimbursed at actual cost (Estimated at $200/night)
Car	Reimbursed at actual rental cost + fuel cost (Estimated at $100/day)
Per Diem	$70/day (Includes travel days)
Newspaper Ads	Actual rate of advertisement for each printed newspaper

Compensation for services shall be at the hourly billing rates identified in the schedule above. If additional labor categories are used on the project, they and their billing rates will be submitted to GWA for approval. Billing rates are subject to annual adjustments for changes in salary. In addition to compensation for labor, the CONSULTANT shall be reimbursed for subcontractor costs and other direct costs associated with the project.

1. Subconsultants are charged at cost plus ten percent (10%).
1. The Guam Revenue Tax (GRT) in effect at the time of billing will be applied to each monthly invoice total for work.

Last Updated: 1/31/2019



PATH: G:\PROJECTS\GWA\ASAN SPRINGS\GIS\ASAN SPRINGS SITE.MXD - USER: NMANLEY - DATE: 11/16/2018

Legend

- Asan Springs Waterways
- NPS Lease Area
- Asan Springs Site Area
- Asan Springs Biological Survey Area
- Land Parcels
- Contour
- Index Contour

ASAN SPRINGS REHABILITATION

SITE LOCATION MAP

GUAM WATERWORKS AUTHORITY

HDR

FIGURE 1

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

GWA Resolution No. 27-FY2019
Relative to the Re-evaluation and Implementation of the Revised GWA Drug and Alcohol-Free Workplace Policy.

What is the project's objective and is it necessary and urgent?
The GPWA Drug and Alcohol-Free Workplace Policy was approved by the CCU on 26 September 2017 for implementation on 01 October 2017. On 10 October 2017, GWA Legal Counsel received Attorney General's Opinion Memorandum, dated 06 October 2017 stated, random drug testing for *all government of Guam employees,* without regard to the nature of the employee's duties and specific violation intended to be addressed, will offend constitutional protections against warrantless searches.

GWA Management has confirmed that the Authority's Legal Counsel is sufficient in determining inclusion of safety-sensitive positions to its current list of Testing Designated Position(s) (TDP), in accordance with federal guidance (Substance Abuse and Mental Health Services Administration's (SAMHSA) 2013 Guide for Selection of TDPs, dated 06 May 2013).

Accordingly, GWA Legal Counsel has reviewed and updated the list of safety-sensitive TDP to be used for determining which employees are subject to random drug testing. The list includes 110 different positions comprised of 287 employees or approximately 77% of the current GWA workforce;

Notwithstanding the recent implementation of Public Law 35-5, Title 9 GCA, Chapter 67 Guam Controlled Substance Act, Article 1, Definitions (t) lists and defines Marijuana as a controlled substance, and GWA still prohibits the use of cannabis by employees in the Drug-and-Alcohol Free Workplace Policy. Therefore, the objective of the resolution is to request GWA be allowed to move forward and implement its Revised GWA Drug and Alcohol-Free Workplace Policy and to authorize the Legal Counsel through documented support to add, delete and/or revise its TDP list as necessary, to effectively implement its Drug and Alcohol-Free Workplace Policy. It is necessary and urgent to protect the public health and safety in the provision of utility services we provide.

GWA further requests for the CCU's support and approval to transition on its own (away from the DOA process) to seek drug testing, laboratory and medical review officer services to effectively implement the GWA Drug and Alcohol-Free Workplace Policy.

Where is the location?
Guam Waterworks Authority

How much will it cost?
The estimated annual cost to implement the GWA Drug and Alcohol-Free Workplace for GWA is Thirty-One Thousand Dollars ($31,000.00).

When will it be completed?
This is an on-going process, however, the revised Drug and Alcohol-Free Workplace full implementation will take effect 01 October 2019.

What is the funding source?
Drug Testing is revenue funded.

The RFP/BID responses (if applicable):
Upon the approval by the CCU to transition on its own, GWA management will seek drug testing, laboratory and medical review officer services.

D&AFWP Research References:

- **35th Guam Legislature Bill 32-35** Guam Cannabis Act of 2019
- **9 GCA, Chapter 67 Guam Controlled Substance Act**
- **Substance Abuse and Mental Health Services Administration (SAMHSA)** – 2013 Guidance for Selection of Testing Designated Positions (TDP)
- **Guam Attorney General Opinion Memorandum, Ref: LEG 17-0547**,dated 06 October 2017 – Opinion Request Relative to Random Drug Testing for All Government Employees
- **Memorandum dated 22 March 2018, transmitted to DOA 06 April 2018** – Addition to DFWP TDP List
- Drug-Free Workplace Act of 1988
- **Emerald Steel v. Bureau of Labor and Industries** – Employer does not have a duty to accommodate an employee who used medical marijuana outside the workplace because marijuana is illegal under federal law.
- **Coats v. Dish Network, LCC** – Colorado Supreme Court ruling; the state's lawful activities (medicinal marijuana) does not protect a worker's off-duty use of medical marijuana because this activity is not lawful under federal law.
- **Ross v. Raging Wire Telecomms** – California Supreme Court ruling; employers do not have to accommodate their employees' off-site medical marijuana use.

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

GWA RESOLUTION NO. 27-FY2019

RELATIVE TO THE RE-EVALUATION AND IMPLEMENTATION OF THE REVISED GUAM WATERWORKS AUTHORITY (GWA) DRUG AND ALOCOHOL-FREE WORKPLACE POLICY

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, it is the policy of the Guam Waterworks Authority to provide a safe, healthy and secure work environment for all employees. It is also the policy of GWA to ensure that all employees perform their job duties in a safe, efficient and productive manner; and

WHEREAS, the GPWA Drug and Alcohol-Free Workplace Policy was approved by the CCU on 26 September 2017 for implementation on 01 October 2017. On 10 October 2017, GWA Legal Counsel received Attorney General's Opinion Memorandum, dated 06 October 2017 stated, random drug testing for *all government of Guam employees* without regard to the nature of the employee's duties and specific violation intended to be addressed will offend constitutional protections against warrantless searches; and

WHEREAS, GWA Management conducted research and found that a supporting opinion of the Authority's Legal Counsel is sufficient in determining inclusion of safety-sensitive positions to its current list of Testing Designated Position(s) (TDP). This guidance is stated on the Substance Abuse and Mental Health Services Administration's (SAMHSA) 2013 Guide for Selection of TDPs, dated 06 May 2013; and

WHEREAS, GWA Legal Counsel has reviewed and updated the list of safety-sensitive TDP to be used for determining which employees are subject to random drug testing. The list includes 110 different positions comprised of 287 employees or approximately 77% of the current GWA workforce; and

WHEREAS, the 35th Guam Legislature passed Bill No. 32-35, also known as the Guam Cannabis Industry Act of 2019, relative to the use, production and law enforcement of recreational marijuana, and to legalize the use, production and sale of cannabis by creating a regulated industry. The GWA revised policy maintains the drug testing on its prohibited list of substances, including Marijuana/Cannabinoids (THC), consistent with the Drug-Free Workplace Act of 1988. On April 4, 2019, the Guam Cannabis Industry Act of 2019 was enacted into law, therefore legalizing the possession of, growing, using and purchasing cannabis infused products. GWA still prohibits the use of cannabis by employees in the Drug and Alcohol-Free Workplace Policy; and

WHEREAS, Title 9 GCA, Chapter 67 Guam Controlled Substance Act, Article 1, Definitions (t) lists and defines Marijuana as a controlled substance; and

WHEREAS, since it is now a Public Law, it is GPWA's request to move forward and implement its Revised GWA Drug and Alcohol-Free Workplace Policy and to authorize the legal counsel through documented support to add, delete and/or revise its TDP list as necessary, to effectively implement its Drug and Alcohol-Free Workplace Policy. Therefore, GWA further requests for the CCU's support and approval to transition on its own (away from the DOA process) to seek drug testing, laboratory and medical review officer services to effectively implement the GWA Drug and Alcohol-Free Workplace Policy; and

WHEREAS, the estimated annual cost to implement the GWA Drug and Alcohol-Free Workplace Policy for the GWA is Thirty-One Thousand Dollars ($31,000.00).

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The GWA's request to move forward and implement its Revised GWA Drug and Alcohol-Free Workplace Policy and to authorize the legal counsel through documented support to add, delete and/or revise its TDP list as necessary, to effectively implement its Drug and Alcohol-Free Workplace Policy is hereby approved.
3. GWA is further authorized and approved to transition on its own (away from the DOA process) to seek drug testing, laboratory and medical review officer services to effectively implement the GWA Drug and Alcohol-Free Workplace Policy.
4. The Drug and Alcohol-Free Workplace full implementation will take effect 01 October 2019.
5. This policy shall be effective for the Guam Waterworks Authority.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS Chairperson	**MICHAEL T. LIMTIACO** Secretary

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SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: _____

ABSTENTIONS: _____

ABSENT: _____

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

GUAM WATERWORKS AUTHORITY (GWA)
Drug and Alcohol-Free Workplace Policy

I. Statement of Policy

It is the policy of the GWA to provide a safe, healthy and secure work environment for all employees and to ensure that all employees perform their job duties in a responsible, efficient and productive manner.

GWA employees are responsible to ensure that its equipment and facilities are maintained and utilized appropriately so as not to pose a risk of harm to customers or the community. The use of drugs and the misuse of alcohol are inconsistent with delivering services, protecting water resources and GWA assets in a safe, productive and reliable manner. Furthermore, employees who illegally use drugs or abuse alcohol may be a danger to themselves, other people and the environment as well as cause various work-related problems including tardiness, absenteeism, substandard job performance, disruptive behavior, delays in completing tasks and poor service. Accordingly, to protect the health, safety and welfare of employees, citizens, visitors and persons who interact with GWA employees during the course and scope of their employment, GWA has adopted this Drug and Alcohol-Free Workplace Policy. GWA will not tolerate illegal use of drugs or abuse of alcohol by enforcing a policy of zero-tolerance.

II. Prohibited Conduct

The following violations of the Drug and Alcohol-Free Workplace Policy constitute gross misconduct and shall result in immediate termination:

1. Unauthorized use, possession, sale, or solicitation for purchase/sale of drugs. Drug paraphernalia or alcohol on GWA property, in GWA vehicles or while the employee is on duty.

2. Reporting to work or engaging in any work activity whatsoever on behalf of the GWA in a condition which could pose a threat of harm to the employee or any other person, or reporting to or engaging in any work on behalf of the GWA in a condition which could impair the ability to satisfactorily perform any essential function of the job, due to the use of drugs or misuse of alcohol. Should any detectable amount of drugs, or alcohol in a concentration of 0.04 breath alcohol content (BAC) or greater be established, the employee is in violation of the GWA Drug and Alcohol-Free Workplace Policy. No employee shall perform their job functions within four hours after using alcohol.

3. Abusing or misusing prescription drugs or over-the-counter medication when such conduct could reasonably interfere with the safe or satisfactory performance of any

essential job function. This includes, but is not limited to, the use, possession, sale or solicitation for the purpose of purchase or sale any prescription medication for which the employee lacks a valid prescription. Use of prescriptions prohibited in the policy such as medical marijuana are a violation of Section III(1)(a).

4. Hindering, obstructing or refusing to cooperate or participate in any investigation involving suspected violations of this policy. This includes, but is not limited to, providing false, misleading or incomplete information in response to any inquiry from a supervisor related to a suspected violation of this policy. It also includes refusing to undergo a drug or alcohol test(s).

a) Refusal by an applicant to sign a consent form will be considered a refusal to submit to a drug and/or alcohol test as a condition of employment and will be considered the equivalent of receiving a confirmed "positive" result for employment and disqualification purposes. Such applicant will have his/her name removed from the certified list of eligible candidates and the position eligibility listing.

b) Refusal by an employee to sign a consent form will be considered a refusal to submit to a drug and/or alcohol test as a condition of employment and will be considered the equivalent of receiving a confirmed "positive" result for employment and subject to immediate termination.

c)

Hindering, delaying or obstructing a drug or alcohol test(s), including but not limited to, tampering with a sample or interfering in any way with the chain of custody.

III. Prohibited Substances

As used in this policy, "prohibited substances" include but are not limited to, the following:

1. "Drugs" refers to marijuana, cocaine, amphetamines, opiates (including heroin and codeine), phencyclidine, and all other "controlled substances" as defined in Title 9 GCA Chapter 67 Guam Uniform Controlled Substances Act.

a) Specimens from applicants and employees will be screened in all cases to identify the following classes of substances:

i. Marijuana/Cannabinoids (THC);
ii. Cocaine Metabolites;
iii. Opiates;
iv. Phencyclidine (PCP);
v. Amphetamines/Methamphetamine; and
vi. Barbiturates

b) GWA reserves the right to change, add or delete any combination of "controlled substances" for screening as new forms become available.

2. "Alcohol" includes any beverage or substance containing alcohol manufactured for the primary purpose of personal consumption.

3. "Prescription drugs" means any substance, which is attainable only by lawful prescription from a physician.

4. "Over-the-counter medication" includes any substance which does not require a prescription but has the capacity to affect a person physically, mentally, or emotionally or which could otherwise affect a person's ability to safely perform his/her duties.

IV. When Testing is Required

1. Random Testing: Positions listed on Appendix A as Testing Designated Positions (TDPs) at GWA shall be subject to random testing as follows:

a) Tests will be ordered on a random, unannounced basis from the entire population of GWA list of TDP employees.

i. A scientifically valid method such as a random number table or a computer-based random number generator will be used to select employees, thereby allowing each employee an equal chance of being tested each quarter.

ii. At least 25% of the employees will be selected for drug testing each quarter of the testing year.

iii. An employee's name will remain in the potential testing population after being selected so that every employee will have an equal chance of being tested each time selections are made. Therefore, it is possible that any employee, who is randomly selected for testing, may be randomly selected again every quarter.

iv. Every employee selected for random testing must be tested unless that employee is excused by the General Manager for reasons such as long-term leave, disability or termination of employment.

v. Any employee who has not had an equal chance of being tested each time a selection was made will be tested on or before September 30 of any year.

b) GWA reserves the right to increase or decrease the frequency of testing based on the needs of each utility, availability of resources, and experience in the program, consistent with the duty to achieve a drug free workplace.

c) GWA reserves the right to add or delete positions it deems as health, safety and security sensitive in nature to its TDP list, with supporting opinion by its Legal Counsel in accordance with the Substance Abuse and Mental Health Services Administration's (SAMHSA) Guidance for Selection of Testing Designated Positions.

2. All competitive and non-competitive recruitments within GWA will be tested after a conditional offer of employment has been extended. Drug testing will be required for but, not limited to the following:

a) **Pre-Employment: (Probational/Unclassified/Exempt/Provisional/Temporary)**: Applicants selected for positions within GWA must report for pre-employment drug testing within three business days of receiving a conditional offer of employment. An applicant who refuses a drug test(s) or who tests positive, or fails to comply with this subsection shall not be extended a final offer of employment.

b) **Promotions, Transfers, Reclassification from non-TDP to TDP:** Employees within GWA will be tested upon the General Manager's approval for selection/reclassification. An employee who refuses a drug test(s) or who tests positive, shall be subject to immediate termination.

Except for emergency situations, applicants and employees will not be permitted to reschedule drug testing after they are notified that such testing is scheduled.

3. Return to Duty Testing: Employees who are absent from work without approval for more than fifteen calendar (15) days shall be tested for drugs and alcohol immediately after returning to work and before performing any job duties.

4. Reasonable Suspicion: All employees will be subject to testing when there is reasonable suspicion that the employee has used drugs or misused alcohol in violation of this policy. Grounds for reasonable suspicion testing shall include, but not be limited to personal observation of the employee's job performance, appearance, behavior, speech or odor which causes reasonable suspicion that the employee:

a) is impaired by drugs or alcohol,

b) has used drugs or alcohol while on duty,

c) or poses a threat to personal safety or others due to the use of drugs or misuse of alcohol in violation of this policy.

5. When specific and objective facts indicate that drug or alcohol use by an employee may have caused or been a contributing factor to an **on-duty motor vehicle accident**. An alcohol test(s) shall be completed within two (2) hours of the accident and a drug test(s) within twenty-four (24) hours of the accident. The following facts, if present, may independently or collectively, depending upon the circumstances, give rise to reasonable suspicion:

a) the appearance, behavior, speech or odor of the employee immediately prior to or after the accident;

b) the employee left the scene or attempted to leave the accident scene without legal authority or permission to do so;

c) the employee acted contrary to a safety rule, established safety practice or otherwise engaged in demonstrably unsafe behavior for which there is no reasonable explanation;

d) the employee was arrested or received a traffic citation;

e) the employee or any person received medical attention as a result of the accident;

f) the employee has been involved, as a contributing factor, in a pattern of repetitive on-duty motor vehicle accidents whether they involved actual or potential injury.

6. When specific and objective facts indicate that drug or alcohol use by an employee may have caused or been a contributing factor to an **on the job accident**. An alcohol test(s) shall be completed within two (2) hours of the accident and a drug test(s) within forty-eight (48) hours of the accident. The following facts, if present, may independently or collectively, depending on the circumstances, give rise to reasonable suspicion:

a) The appearance, behavior, speech or odor of the employee immediately prior to or after the accident;

b) The employee left the accident scene or attempted to leave the accident scene without legal authority or authorization to do so, or failed to report the accident to the appropriate individual or otherwise attempted to keep appropriate persons from learning about the accident or the extent of the accident;

c) The employee acted contrary to a safety rule, established safety practices or otherwise engaged in demonstrably unsafe behavior without a reasonable explanation.

d) The employee or any other person received medical attention because of the accident;

e) The employee has been involved as a contributing factor in a pattern of on-duty accidents whether or not they involved actual or potential injury.

7. Drugs, drug paraphernalia, alcohol or containers indicating the presence of drugs or alcohol are observed or discovered in a location in which the employee had primary control or access, including but not limited to, desks, lockers, equipment, machines or vehicles. The employee must have accessed the location within eight (8) hours prior to the discovery of such items.

8. **Consent**: By acknowledging receipt of this Policy in writing, the employee is providing his or her consent to any and all testing required to comply with the Policy.

V. Who May Request a Reasonable Suspicion Drug or Alcohol Test(s)

1. Any supervisor who has received training in the signs and symptoms of drug and alcohol use and impairment may request an employee to undergo a reasonable suspicion test(s) for drugs or alcohol based upon:

    a) the personal observation of the employee by the trained individual, or

    b) personal observation of the employee by another employee who has fully disclosed the observations to the trained individual, or

    c) observation of the employee by a nurse or physician engaged in the treatment or evaluation of a work-related injury who has disclosed such observation to the trained individual.

2. Any untrained supervisor may request a reasonable suspicion test(s) for drugs or alcohol based upon his personal observation of the employee, under the following circumstances:

    a) The employee has been independently observed by a trained supervisor; or

    b) A trained supervisor has reviewed the underlying facts and agrees that reasonable suspicion exists to require a test.

    c) Any supervisor, personnel of managerial capacity, or personnel of the Safety and Human Resources Divisions trained in detecting drug and alcohol impairment, may request a reasonable suspicion drug or alcohol test(s) following a work-related accident based upon personal observation of the employee or upon review of the specific and objective facts underlying the accident.

VI. Testing Procedures

1. Whenever there is reasonable suspicion to require a drug or alcohol test(s) under this policy, the General Manager, department/division heads or designees and Human Resources shall be notified of the circumstances necessitating the test(s) as soon as possible.

2. All circumstances causing reasonable suspicion to require a drug or alcohol test(s) shall be fully documented by the supervisor(s) and/or managerial personnel and all appropriate witnesses as soon as possible.

3. All GWA-issued equipment, property and facilities, including but not limited to, desks, lockers, and vehicles (collectively “materials”) are subject to inspection at

any time and for any reason. No employee shall have any privacy interest whatsoever in any GWA issued materials. No personal property may be searched unless the owner of the property has consented or a search is otherwise legally permissible.

4. Alcohol screening will be conducted using a federally approved evidential breath-testing device. An initial screening test of one (1) breath sample will be conducted first, and if an initial test detects any level of alcohol, a second confirmation test of one (1) additional breath sample will be completed.

5. Testing will be performed by a certified, licensed forensic laboratory. Drug test methods, collection, security and chain of custody procedures will conform to federal regulations. The drug test will include marijuana, cocaine, amphetamines, methamphetamines, opiates (including heroin and codeine), and phencyclidine (PCP) and barbiturates. Other "controlled substances" may be added as new forms become available. All specimens identified as positive for illegal drugs on the initial screening will be confirmed using the gas chromatography/mass spectrometry technique.

6. All positive test results for drugs will be interpreted by a physician approved by GWA as a medical review officer (MRO) before the results are reported to the GWA. Prior to notifying GWA, the MRO will make reasonable efforts to contact the employee for the purpose of allowing the employee to offer an alternative medical explanation for the positive test result. If the MRO is able to contact the employee and determines there is a legitimate medical explanation for the positive test, the result will be communicated as negative to GWA. The MRO's inability to contact the employee before providing test results to the GWA will not void the test result or make the test result unusable in any subsequent disciplinary action. Because the employee is present for interpretation of an alcohol test, the procedure concerning prior notification by the MRO is not applicable.

7. Upon notification by the MRO of a verified positive result for drugs, the employee may request that the remaining portion of his split specimen undergo a second confirmation test at his expense. The results of the second confirmation test, upon review by the MRO, will be determinative. If the results from the second confirmation test is negative, all prior positive tests will be disregarded and shall not be the basis for any disciplinary or adverse action.

8. The GWA will make reasonable efforts to notify the employee of a positive drug test within five (5) days from the date it receives the test results. Because the results of a breath alcohol test are immediately available, this provision will not apply to alcohol tests conducted in such a manner.

9. Any employee ordered to be tested, based upon reasonable suspicion, shall be immediately removed from duty, escorted to the testing facility and taken home (unless other suitable arrangements have been made to transport the employee including calling a cab). The employee shall turn in keys to a GWA vehicle, building or office, their identification badge or any other property belonging to the

GWA. The employee shall be placed on paid administrative leave pending the results of the test.

10. An employee who tests positive for drugs or alcohol shall immediately be relieved from duty, required to turn in keys to a GWA vehicle, building or office, identification badge or any other property that belongs to the GWA, placed on paid administrative leave, and sent home pending disciplinary action, if appropriate. A supervisor may take an employee home. If a supervisor is not comfortable taking an employee home, however, a cab may be called to come and take the employee home at the employee's expense.

11. In situations in which the employee has been ordered to be tested or tests positive and the employee refuses assistance in leaving the building and walks out or insists on leaving in his/her own vehicle, document the situation and, depending upon the circumstances, call Guam Police Department's non-emergency phone number. Give the police the employee's name, vehicle description, and license plate number. However, if the employee is extremely agitated, violent or is making threats of violence, leaves the premises in a GWA vehicle, or you believe the employee has violated the law, call the Guam Police Department at 9-1-1.

12. A refusal to consent to a drug or alcohol test is a violation of the Policy and will be considered the equivalent of receiving a confirmed "positive" result for employment and subject to immediate termination.

13. If it is not reasonable under the circumstances to conduct an alcohol test, based on a breath test, GWA reserves the right to test for the presence of alcohol by a blood test analysis. If this procedure is used, the GWA will attempt to notify the employee of the results within five (5) days after the results are received. An MRO will not be used when a blood test for alcohol is conducted.

VII. Training

1. All Department Heads, Managers and Supervisors and Leads are required to participate in GWA Drug and Alcohol-Free Workplace Policy training every two (2) years. All new employees and any employee who is hired or promoted into a supervisory position must receive training on this policy within sixty (60) days of hire or promotion. The training shall include the following topics:

    a) The requirements of the Drug-Free Workplace Policy, including supervisor responsibilities.

    b) Behavioral indicators of drug and alcohol use in the workplace.

    c) The prevalence of alcohol and drug abuse and its impact on the workplace.

2. Proper procedures including documentation for applying the Drug and Alcohol-Free Workplace Policy. All employees are required to participate in GWA Drug

and Alcohol-Free Workplace Policy training. The training shall be required every two years and include the following topics:

a) The requirements of the Drug-Free Workplace Policy and Zero-tolerance.

b) The prevalence of alcohol and drug abuse and its impact on the workplace.

c) Behavioral indicators of drug and alcohol use in the workplace.

d) The progression of the disease of addiction.

e) What types of assistance are available in the community.

VIII. Employee Assistance Program

Prior to September 30, 2019, any employee who self-refers to a GWA Employee Assistance Program (EAP) or a similarly available treatment program will not be subject to disciplinary action. Failure to comply with all requirements of a treatment program will result in termination. Employees that do not self-refer for assistance with a drug or alcohol abuse problem who are found in violation of Section II of this policy will be subject to immediate termination.

Beginning on October 1, 2019, employee entry into the EAP upon voluntary identification by himself or herself as a user of drugs or abuser of alcohol will not be protected from disciplinary action if found in violation of Section II of this policy.

IX. Arrests for Drug and Alcohol Related Offenses

Any employee who is arrested for a drug or alcohol related offense must notify the General Manager of the arrest immediately. GWA will decide at that time whether the arrest causes a temporary or permanent disqualification from holding that position, or constitutes grounds for disciplinary action. All convictions for alcohol or drug related offenses must be reported immediately by an employee to the General Manager. GWA reserves the right to take appropriate action based upon such conviction.

All employees who are required to operate a GWA vehicle as a regular part of their job must report any drug or alcohol arrest, temporary or permanent suspension of driving privileges, and any drug/alcohol related conviction to the General Manager immediately. GWA reserves the right to take appropriate action, including relieving the employee from duty, transferring the employee to a non-driving position, or instituting disciplinary action up to and including termination.

X. Alcohol at GWA Sponsored Events

At GWA sponsored social events where alcohol is present, legal age employees may consume moderate and responsible amounts of alcohol. Any employee misconduct as a result of the consumption of alcohol is subject to disciplinary action. All employees are

responsible for behaving in a professional and courteous manner consistent with GWA code of conduct standards regardless of any consumption of alcohol.

XI. Confidentiality

All reports of test results for drug and alcohol, searches, or any employee referral, or participation in an EAP program or treatment program for addictive disorders, will be maintained in strict confidence. Any person authorized to have access to such confidential information, who, without authorization, discloses it to another person shall have engaged in gross misconduct and be subject to severe disciplinary action up to and including dismissal. The confidentiality of such information shall not apply to any use by or communication to the GWA General Counsel, or where the information is relevant to the GWA's defense in an administrative or civil action. Such information may also be disclosed to the extent required by any federal, state or local law, statute, ordinance or regulation.

XII. Effective Date

This policy will go into effect 01 October 2019, consistent with the CCU's adoption by resolution and will apply to all employees of GWA regardless of status or classification. The policy will be strictly enforced.

APPENDIX A
GWA Test Designated Position List

Existing TDP Listing	*Approved Additional TDP Listing*
ENGINEERING	**ASSISTANT GENERAL MANAGERS**
Chief Engineer	Assistant General Manager of Compliance & Safety
Engineer I	Assistant General Manager of Operations
Engineer II	Assistant General Manager of Administration & Support
Engineer III	**LABORATORY & COMPLIANCE**
Engineering Supervisor	Chemist I
Engineering Technician I	Chemist II
Engineering Technician II	Chemist III
Construction Inspector I	Laboratory Technician I
Construction Inspector II	Laboratory Technician II
Construction Inspector III	Laboratory Technician Supervisor
FACILITIES, MAINTENANCE, & EQUIPMENT	Utility Laboratory Technician I
Equipment Maintenance Superintendent	Utility Laboratory Technician II
Equipment Operator I	Utility Laboratory Technician Leader
Equipment Operator II	Utility Laboratory Technician Supervisor
Equipment Operator III	Monitoring Laboratory Services Administrator
Equipment Operator IV	Cross Connection Control Manager
Equipment Operator Leader I	Source Control Manager
Equipment Operator Leader II	Utility Compliance Inspector I
Equipment Operator Supervisor	Utility Compliance Inspector II
Heavy Equipment Mechanic I	Utility Compliance Inspector Leader
Heavy Equipment Mechanic II	**INFORMATION TECHNOLOGY**
Heavy Equipment Mechanic Leader	Computer Operator I
Heavy Equipment Mechanic Supervisor	Computer Operator II
COMPLIANCE & SAFETY	Computer Operator III
Safety Inspector I	Information Security Administrator
Safety Inspector II	Information Technology Manager
Safety Inspector III	Network Systems Administrator
Safety Inspector Supervisor	Network Analyst
OPERATIONS & MAINTENANCE	Programmer Analyst I
Pumping Station Leader	Programmer Analyst II
Pumping Station Operator I	Systems & Programming Administrator
Pumping Station Operator II	**OPERATIONS & MAINTENANCE**
Pumping Station Supervisor	Operations & Maintenance Manager
Sewer Plant Leader	***Leak Detection***
Sewer Plant Operator I	Leak Detection Technician I
Sewer Plant Operator II	Leak Detection Technician II
Sewer Plant Supervisor	Leak Detection Technician Leader
Wastewater Construction-Maintenance Superintendent	Leak Detection Technician Supervisor
Wastewater Maintenance Mechanic I	***Electric/Instrument Technicians***
Wastewater Maintenance Mechanic II	Plant Instrument Technician I
Wastewater Maintenance Mechanic Leader	Plant Instrument Technician II
Wastewater Maintenance Mechanic Supervisor	Plant Instrument Technician Leader
Wastewater Plant Superintendent	Plant Electrical Instrument Superintendent
Wastewater Systems Assistant Manager	***Maintenance & Related***
Wastewater Systems Manager	Water Meter Maintenance & Repair Worker I
Water Distribution Systems Assistant Manager	Water Meter Maintenance & Repair Worker II
Water Distribution Systems Manager	Water Meter Maintenance & Repair Supervisor
Water Plant Operator I	Water Meter Reader I
Water Plant Operator II	Water Meter Reader II
Water Plant Operator Leader	Water Meter Reader Leader
Water Plant Operator Supervisor	Water Meter Reader Supervisor
Water Treatment Plant Superintendent	Centralized Wastewater Maintenance Superintendent
Water-Sewer Maintenance Supervisor	Wastewater Collection Superintendent
Water-Sewer Maintenance Worker I	***Systems Control Center***
Water-Sewer Maintenance Worker II	Water & Wastewater Systems Control Dispatcher I
Water-Sewer Maintenance Worker Leader	Water & Wastewater Systems Control Dispatcher II
	Trouble Dispatcher
General Manager	Trouble Dispatcher Supervisor
	Trades
	Utility Trades Helper

2019 Revised GPWA DAFWP

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

Regular Board Meeting
CCU Conference Room, Gloria B. Nelson Public Service Building
5:30 p.m., February 26, 2019

MINUTES

1. CALL TO ORDER

The Chairman called the CCU regular meeting of February 26, 2019 to order at 5:30 p.m. He said four (4) Commissioners were present; Comm. Sanchez was absent and excused. Others in attendance include:

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer

Executive Mgmt.:

Miguel Bordallo	GM / GWA
John Cruz	AGMET / GPA
Tricee Limtiaco	GM (A) / GPA
Chris Budasi	AGMA / GWA
John Kim	CFO / GPA
Gilda Mafnas	CFO (A) / GPA
Graham Botha	Staff Attorney / GPA

Management & Staff:

Paul Kemp	AGM Compliance & Safety / GWA
Ron Topasna	O&M Mgr, Water Treatment / GWA
Vincent Pangelinan	O&M Manager, Water Distribution / GWA
Vangie Lujan	Compliance & Safety / GWA
Lisa San Agustin	Utilities Services Administrator / GWA
Patti Diego	Communications / GPA
Zina Charfauros	Personnel Admin. / GWA HR
Joyce Sayama	Mgmt. Analyst / GPA Ex. Office
Lou Sablan	Board Secretary / CCU

Guest:

Juan Muna	AM Insurance
David Martin	AM Insurance

2. APPROVAL OF MINUTES

The Minutes of January 22, 2019 was presented for approval.

Comm. Guthertz motioned to approve the Minutes subject to verification and written correction; Comm. Santos seconded. There was no further discussion or objection and the motion passed.

3. COMMUNICATIONS

3.1 Public Comments – None

4. GPA

4.1 New Business

4.1.1 GM Report

1. **Generation System:** The following summarizes the generation forecast for March 2019:
   Projected Available Capacity: 335 MW
   Projected Demand: 235 MW
   Anticipated Reserve Margin: 100 MW
   - MEC 9 scheduled for overhaul Feb. 20th to March 5th.
   - Demand expected to be lower than March 2018 (244MW)

2. **Demand Side Management (DSM)** - DSM Program reduces a customer's consumption without impacting their quality of life. Additionally, peak demand and LEAC cost are reduced for all customers. GPA needs to add funding to DSM because the current funding of $2.9M is nearly exhausted.

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19 thru 1/31/19*	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$14,397.99	$74,124.62
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$3,025.00	$233,831.05
Bank Fees	$ 155.00	$ 1,032.06	$ 1,085.08	$ 80.00	$2,352.14
Paid Rebates-Split AC	$ 154,700.00	$ 557,275.00	$1,247,000.00	$ 318,900.00	$2,277,875.00
Paid Rebates- Central AC	$ 3,400.00	$ 8,200.00	$ 4,400.00	$ -	$16,000.00
Paid Rebates- Washer/Dryer	$ 2,800.00	$ 7,425.00	$ 48,800.00	$ 27,000.00	$86,025.00
Total Expenses	$200,682.30	$681,738.11	$1,444,384.41	$363,402.99	$2,690,207.81

Workforce Retirement Eligibility Summary:

Sections:---------->	Finance	Customer Service	Engineering	SPORD	T&D	Generations	Others	Totals
Retirement Plans:								
Employee Count	**40**	**34**	**31**	**9**	**108**	**127**	**98**	**447**
Eligible at 30 years Service								
DB 30 Plus Years of Service	3	1	2	1	5	6	3	21
DB 25 Plus Years of Service	7	5	6	2	19	29	13	81
Sub-Total:	**10**	**6**	**8**	**3**	**24**	**35**	**16**	**102**
Eligible at 62 Years of Age								
DB1.75 60 Plus Age Group	2	3	2	0	1	20	5	33
DB1.75 55-59 Age Group	7	2	2	1	7	14	11	44
Sub-Total:	**9**	**5**	**4**	**1**	**8**	**34**	**16**	**77**
Eligible at 55 Years of Age								
DC 50 Plus Age Group	4	4	2	0	9	15	13	47
DC 45 Plus Age Group	2	2	0	4	9	12		29
Sub-Total:	**6**	**6**	**2**	**4**	**18**	**27**	**13**	**76**
Grand Total	**25**	**17**	**14**	**8**	**50**	**96**	**45**	**255**
% Eligible for Retirement within 10 years	**62.5%**	**50.0%**	**45.2%**	**88.9%**	**46.3%**	**75.6%**	**45.9%**	**57.0%**

Eligible Retirement Breakdown:	Count	%
DB Plan	102	40.0%
DB1.75	77	30.2%
DC	76	29.8%
Totals:	255	

7. **GPUC Dockets:** The petition for changes to the Net Metering Credit is currently under review. GPA has had conferences calls with and has responded to request for information by the PUC consultant.

8. **New Power Plant**: The deadline for receipt of technical proposals has been extended to March 21, 2019. Price proposals for approved proposals are due by April 29th. Price opening is now targeted for May 20, 2019.

9. **Saipan Yutu Recovery Assistance:** Saipan is now substantially recovered. GPA is now able to bring home employees and equipment. All employees will be back by this Saturday, February 23rd. A wrap-up presentation summarizing our efforts is attached. We will like to thank CNMI Governor Torres, Lt. Governor Palacios, CNMI Senate and Legislature, Mayors, CUC Board, CUC Executive Director Gary Camacho, employees of CUC and the Community of the Northern Marianas Islands for their hospitality and acknowledgement of the excellent efforts of the GPA teams. Our GPA teams worked tirelessly over the past four months assisting our brothers and sisters of the Marianas recover from the devastation of Yutu.

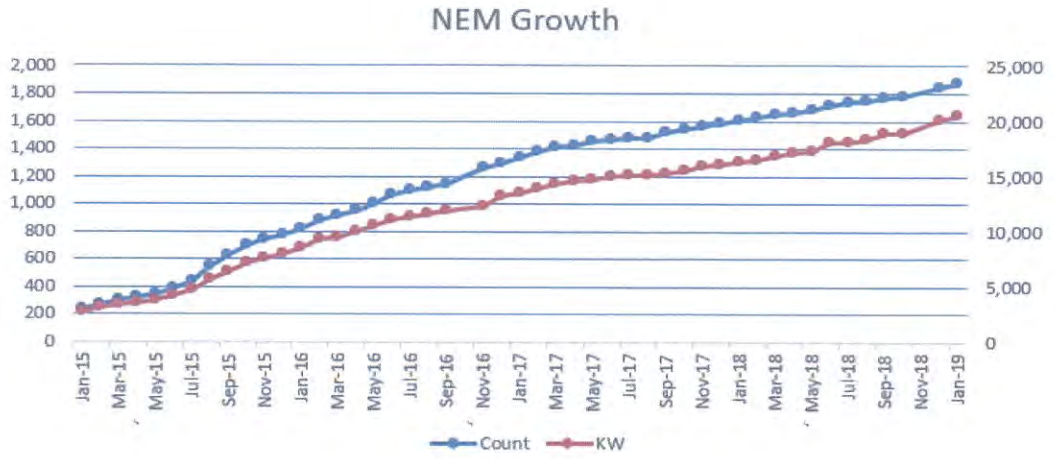
   We thank our GPA employees and their families for their hard work, dedication and sacrifices and our ratepayers for their patience and understanding for any inconveniences during the recovery period as we assisted in Saipan's recovery.

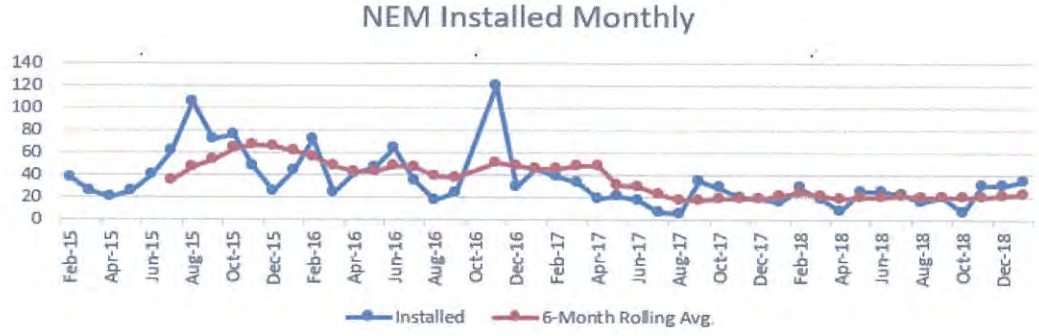
10. **Net Metering (NEM) Credit Adjustment:** CCU approved GPA filing a petition to the PUC to consider changes to the existing net metering credit. GPA filed with PUC for adjustment of net metering credits from retail to avoided cost with a Grandfather phase-out approach over 5 years to the GPA avoided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

Net Metering Summary Ending January 2019:

Description:	Count	Kw
Active	**1,875**	**20,415**
Pending	19	241
Totals:	1,894	20,656

Service:	Count	KW	Kw/Customer
Residential	1,774	16,077	9.1
Others	101	4,338	43.0
Total:	1,875	20,415	10.9
% Residential	**94.6%**	**78.8%**	
Estimated 12 Months Revenue Impact:	**$3,248,217**		





11. **Briefings:** A briefing on GPA was conducted for Speaker Tina Muna Barnes on Wednesday, January 30, 2019. The briefing for the Governor and Lt. Governor has been scheduled for March 15th . A briefing to the Legislative Oversight Chairman, Senator Clynt Ridgell is being scheduled with the Senator's office.

12. **GPWA Tumon Office Renovation:** The notice to proceed for design services has been issued to Architect Andy Cristobal with a completion date of July 30, 2019. We plan to budget for the renovation in FY2020 so that it could be completed by next year. The Tumon GPWA Customer Service Center has the most customer traffic of all our service centers. The following two slides consist of the preliminary schedule and the initial layout of the center.

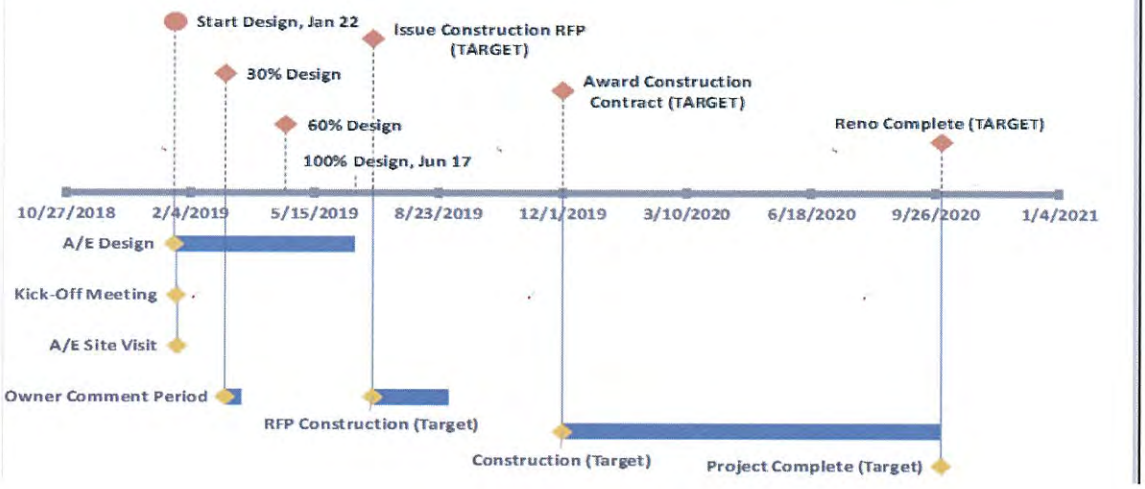
    The Disaster Recovery Center (DRO) is not included within this scope of work. The team is rethinking the location which may instead be best to place at the Dededo T&D compound. The team has determined that there isn't adequate space in Tumon. We would have to build a new building to accommodate DRO and a SCADA remote site. We plan to engage an engineering firm to design the project this fiscal year.

13. **GPA's Vendor Outreach**: GPA Procurement will hold its **First Annual Vendor Fair** to expand prospective vendor and supplier awareness of GPA's potential business opportunities and procurement process, and allow GPA to expand its prospective vendor/supplier listing. This event will promote transparency and accountability. The Vendor Fair will be held on Thursday & Friday, March 21 & 22 from 9 am to 4 pm at the Procurement Multi-Purpose Room.

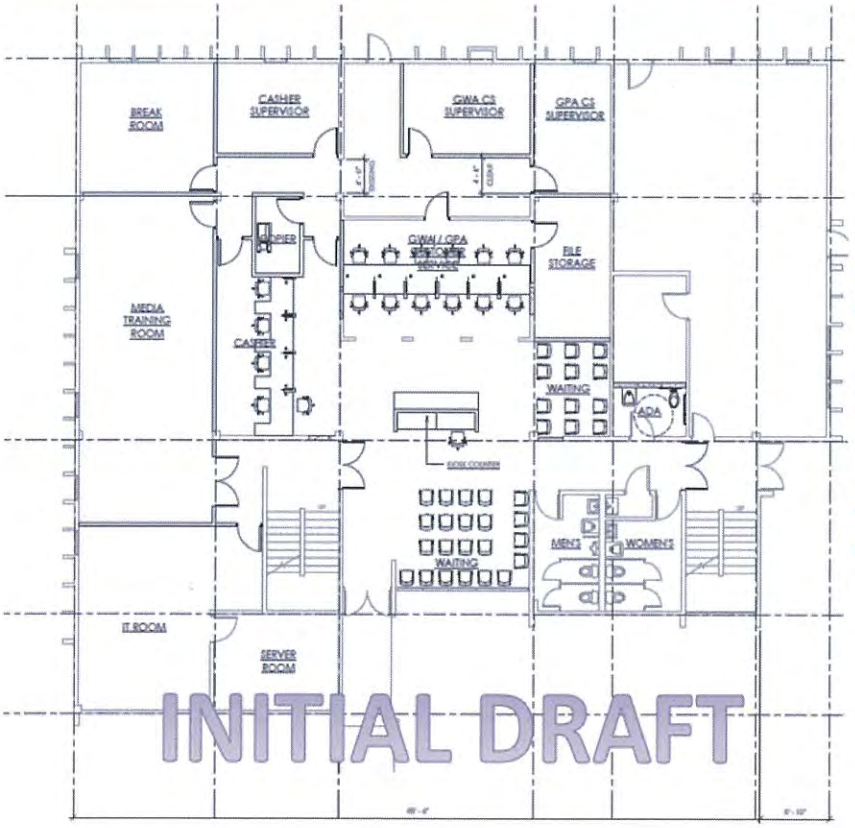
UPPER TUMON CUSTOMER SERVICE LOBBY RENOVATION

PROJECT:	Phase I: DESIGN - Upper Tumon Renovation, Customer Lobby (1st Fl)	STATUS:	STARTED/ ON SCHEDULE
OWNER:	GPA Engineering		
LEAD:	Manny Minas (GPA) & Barbara Cruz (GWA)	REPORT DATE:	2/18/2019

NOTES: 1. 2/15/19 - GPWA team reviewed as-built, demolition, and initial design with Architect Cristobal.
2. Submitted verbal comments, including relocation of Cash Mgmt (security reasons), CS expansion, & addition of nursing room.
3. Owners comments due 2/19/19.
4. Next meeting: 2/20/19.



UPPER TUMON CUSTOMER SERVICE LOBBY RENOVATION



A/E SCOPE OF WORK:

- Redesigned and expanded Customer Service & Cash Management areas
- Upgraded IT area
- Expansion of restrooms
- Inclusion of training room, nursing room, etc.
- Roof repair (leak)
- As-Built Drawings

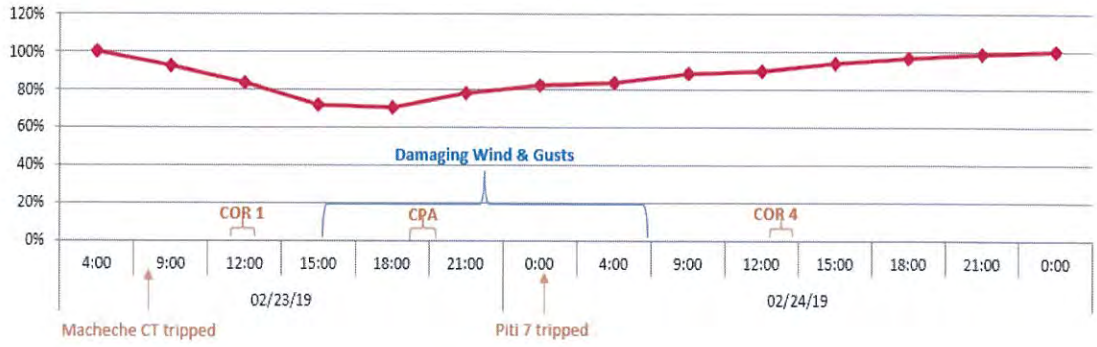
Project Leaders:
Manny Minas, GPA
Barbara Cruz, GWA

TYPHOON WUTIP

19-FEB 2019 Tuesday	20-FEB 2019 Wednesday	21-FEB 2019 Thursday	22-FEB 2019 Friday	23-FEB 2019 Saturday	24-FEB 2019 Sunday
1:00 p.m. Tropical Disturbance expected to pass near the Marianas, south of Guam	5:30 a.m. Now Tropical Depression 02W 8:30 a.m. Now Tropical Storm Wutip	8:00 a.m. COR 3 declared. Damaging winds expected. CPA late Sat / early Sun 5:00 p.m. Now Typhoon	1:00 p.m. Regular GovGuam operations cease 4:00 p.m. COR 2 declared	12:00 p.m. COR 1 declared. CPA 7-11 p.m. 4:30 p.m. Onset of 39+ mph winds CPA 6 a.m. 8:00 p.m. Actual CPA	12:00 a.m. Damaging winds persist (40-45 mph; <70 mph gusts) 5:45 a.m. Now Super Typhoon 1:00 p.m. COR 4 declared
Begin pre- & post-storm preparations		Storm Prep Work Order Issued Internal Pre-Storm Meeting	Business services continue through 4 p.m. Assets secured GWA sites transferred to generator power	Crews responded through storm	Damage assessments completed GWA sites transferred to IWPS

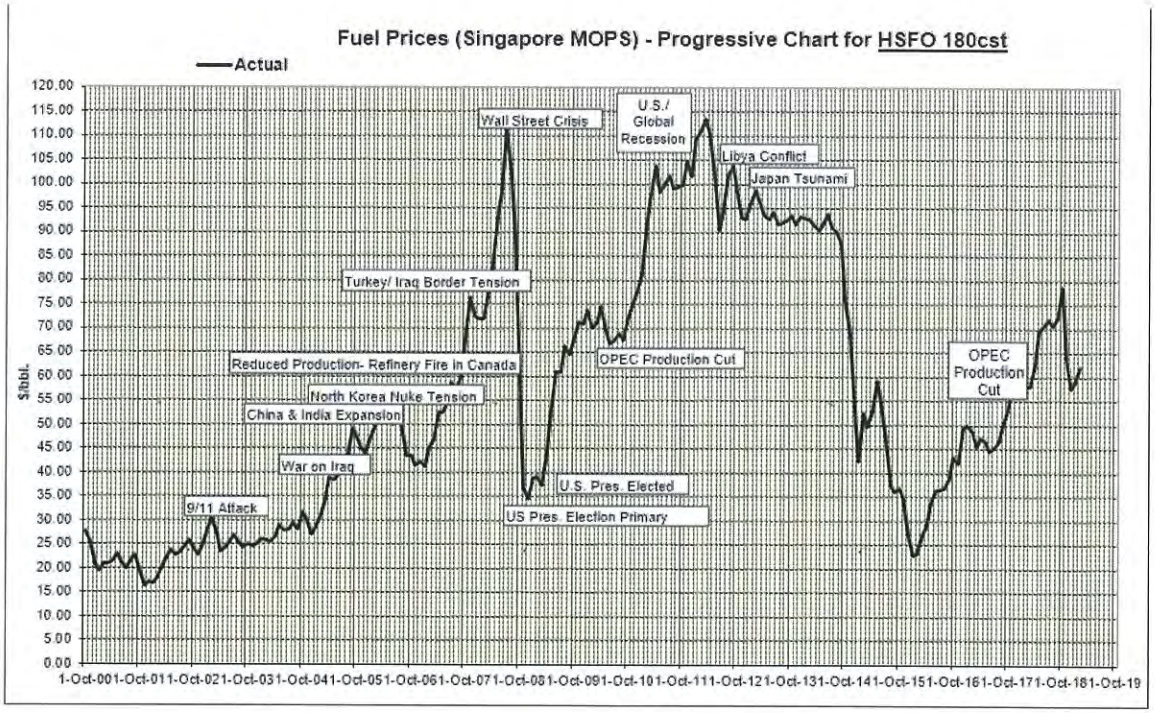
Intensive line clearing, especially southern sector

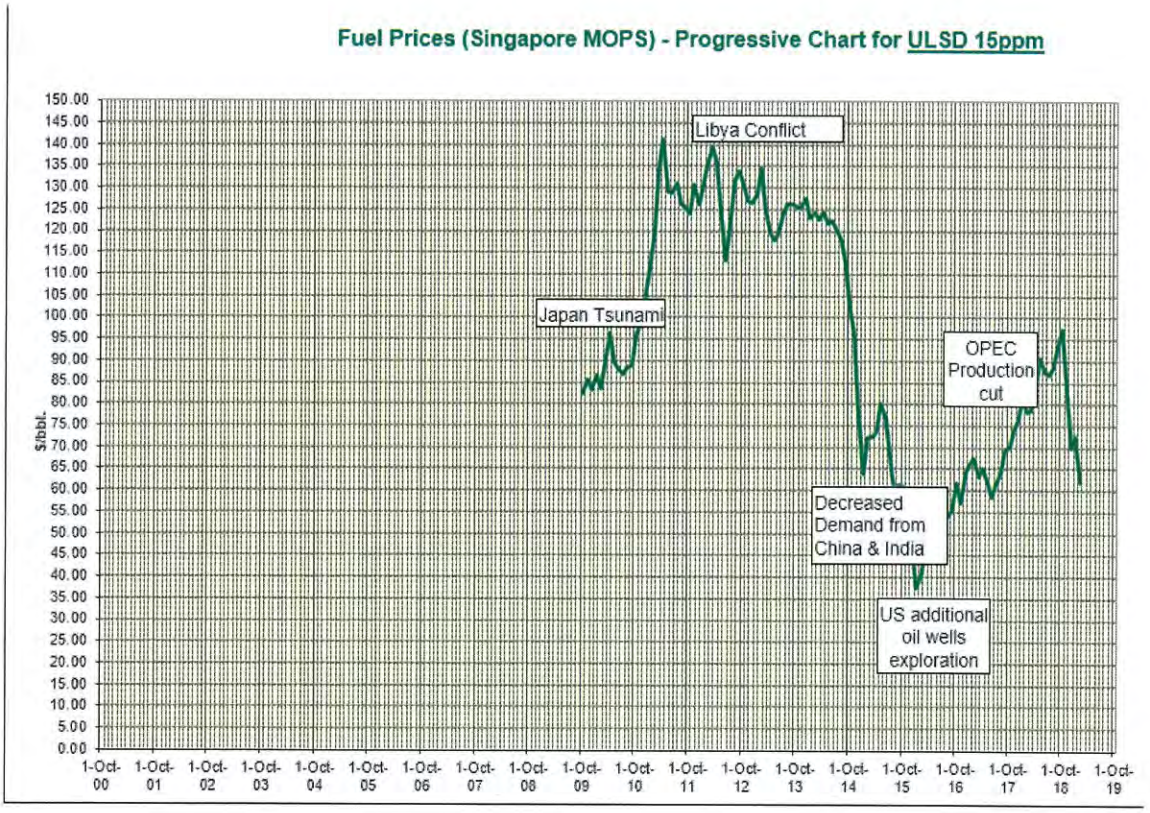
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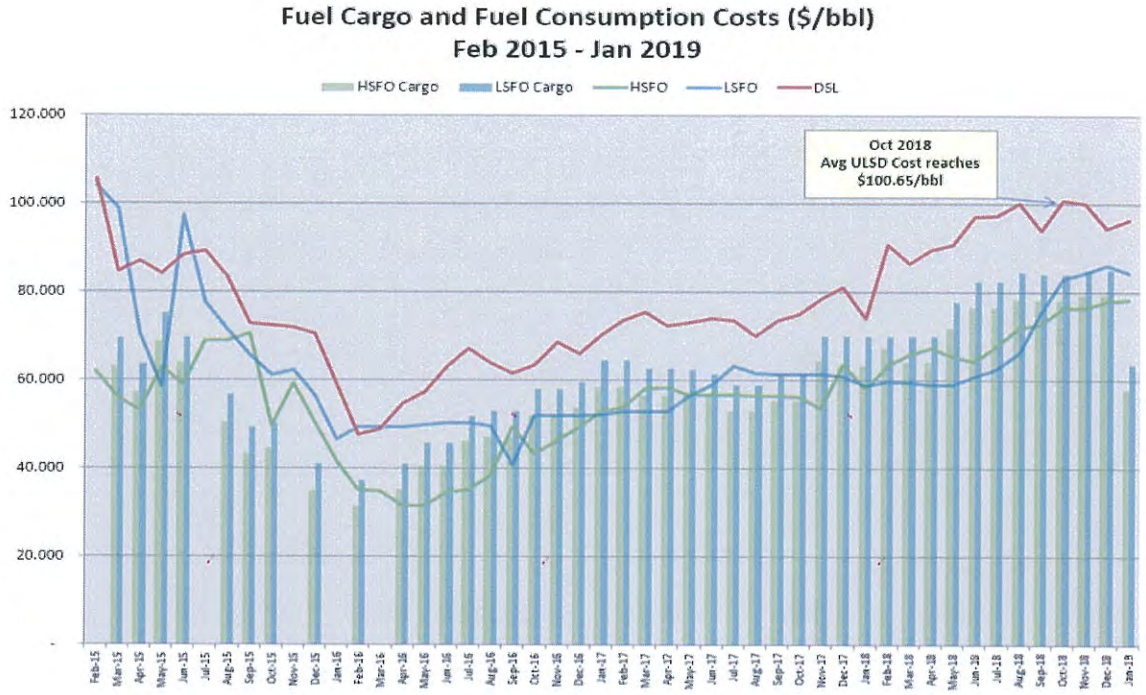


Station Summary

	N	C	S	TOTAL	Wutip Rentals	WSD Portable	Generator Avail	Generator UNAVAIL	Prestorm Availability
Booster Pumps	5	6	19	30		1	16	14	53%
Waterwells	71	34	0	105	4		102	3	97%
Wastewater	19	30	31	80	2	4	73	7	91%
Portable	4			4			4	0	100%
Laboratory	1			1			1	0	100%
TOTAL	**100**	**70**	**50**	**220**	**6**	**5**	**196**	**24**	**89%**


Fuel Prices (Singapore MOPS) - Progressive Chart for HSFO 180cst
Actual
$/bbl.
Wall Street Crisis
U.S./ Global Recession
Libya Conflict
Japan Tsunami
Turkey/ Iraq Border Tension
Reduced Production- Refinery Fire in Canada
North Korea Nuke Tension
China & India Expansion
War on Iraq
9/11 Attack
U.S. Pres. Elected
US Pres. Election Primary
OPEC Production Cut
OPEC Production Cut


Fuel Prices (Singapore MOPS) - Progressive Chart for ULSD 15ppm
$/bbl.
Libya Conflict
Japan Tsunami
OPEC Production cut
Decreased Demand from China & India
US additional oil wells exploration



GPA YUTU SUPPORT

Man Power

Total Personnel: 64

- T&D Manager
- T&D Assistant Manger
- 26 Linemen
- 10 Operators
- 10 Engineers
- 04 Substation Electricians
- 02 Relay Technician
- 02 Generation Mechanics
- 02 Generation Electricians
- 04 Heavy Equipment Mechanics
- 02 Safety Officers

Equipment

- 6 Bucket Trucks
- 2 Vans
- 1 Light Cart
- 1 Flatbed
- 3 Utility Trucks

Materials

- 439 Power Poles
- 350,000 LF of Primary & Secondary Wire
- 92 Transformers
- 1,020 Crossarms
- Insulators, Connectors, Clamps, Nuts, Bolts

STATUS OF RECOVERY

POLES

Down and Damaged = 1,772

Installed = 1,374

FEEDERS

Total = 9

Energized = 9

METERS (since 1/8/19)

Damaged = 2,700

Energized = 988

GENERATION

Available = 59.4 MW

Recoverable = 33.0 MW

Gross Demand = 27.5 MW

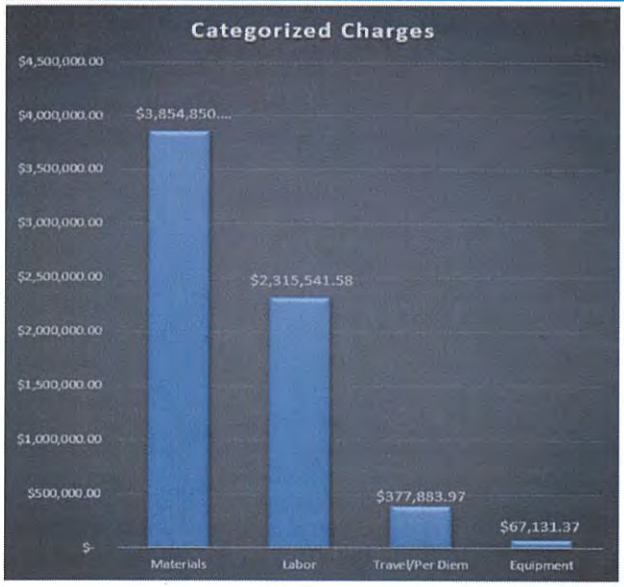
TRANSFORMERS ASSESSED (since 1/8/19)

Total Qty. = 295

Failed = 115

Passed = 180

INVOICE SUMMARY



Materials	$ 3,854,850.51
Labor	$ 1,839,922.16
Travel/Per Diem	$ 177,499.97
Equipment	$ 67,131.37
Estimated Labor	$ 475,619.42
Estimated Travel/Per Diem	$ 200,384.00
Total	**$ 6,615,407.43**
Payments	$(4,010,480.58)
	$ 2,604,926.85

- GPA has made a significant contribution to Saipan recovery efforts.
- The GPA Saipan team continues to work hard and has contributed to the restoration of critical services and businesses.
- The team on Guam at T&D, Generation, Engineering, Transportation, & Safety have had to multi-task and pick up extra duties to ensure continuity of services on Guam.
- GPA Executive Management has continuously worked in coordination with the CUC to ensure smooth operations.
- The 2nd wave demobilized on February 17th and began preparation for return.
- All personnel will be home by February 23rd.
- GPA will continue to invoice CUC for labor, equipment, materials, and expenses.

Acting GM Limtiaco updated the GM Report with summary of recovery for Typhoon Wutip. Crews focused on massive vegetation clean up far in advance. She said the system tripped because of sensitivity to outside disturbances which GPA is trying to address. The Chairman mentioned that GPA also helped out DOC and Public Health their generators and acting GM confirmed that with DPHSS was addressed a couple of weeks in advance; DOC secured a rental because their existing generator was in need of an alternator but GPA helped hook up a 2nd brand new generator that has never been used.

Comm. Santos updated re issue with respect to GMH, he said that he met with the current administrator and shared that GPA is still willing to assist with repair / upgrade of electrical panels that has been ongoing with their electrical panel issue. At a meeting with the Governor and GMH Administrator GM Benavente clarified the scope to allow GPA to access every panel on every floor to see exactly what needs to be done. He further updated that GRMC went off line due to intense fluctuation and had to utilize their own generating system. Comm. Santos wants to find out why GPA fluctuates that causes them to go off line. Comm. Limtiaco asked about relationship with other government agencies like GMH, DPHSS, DOC and how does GPA recoup the cost related to assisting them. The Chairman gave background / summary to update that GPA gets paid for services rendered to other government agencies. Acting GM Limtiaco mentions that there is an interagency work order in place. The Chairman commended GPA staff for their efforts during this last storm. Acting GM shared cost of customers complaint about overgrowth of mango trees and vegetation. Trees fall over into the lines and GPA continues to mitigate these types of issues which is dangerous to humans and the grid.

4.1.2 **Financials**

This was not discussed.

4.1.3 **Resolution 2019-03 Demand Side Management (DSM) Funding**

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

- The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.

- DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.

- Like renewable energy, a major rationale behind DSM is predicated on the avoidance of fuel costs and the need for capacity additions. Furthermore, unlike renewable energy without energy storage, DSM provides reductions to future power system capacity expansion costs.

- The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs under the LEAC; and therefore may use this precedent to treat DSM Program Expenses in a similar fashion.

- Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.

Asst.GM for Engineering & Technical Services John Cruz shared that initial DSM funding negotiations were handled by SPORD and ALJ Horecky of PUC. The current DSM program is basically for residential customers only. A total of $2.3M has been spent to date - $200k the 1st year, $700K the 2nd year and $1.4M the 3rd year. This type of spending cannot come from base rates and capping the program is not recommended at this time. The commercial side of this program has not been implemented yet because it may double the funds needed to support the program. There has been discussions with the ALJ to use LEAC as a mechanism to source for this program and he neither agreed nor disagreed and recommended to wait until the current funding source is exhausted so this discussion has been already been brought up before. He said this resolution gives GPA authorization to petition the PUC to allow DSM funding from LEAC in the future.

Comm. Limtiaco said relative to the GM Report reference he DSM Summary he asked management to define contractual fees – AGM Cruz said it is advertising and marketing. Further he asked based on LEAC is this just cost avoidance. JC – yes for the customer and for us over the aggregation of the DSM program the need for additional generation will be impacted. DSM reduces fuel cost and eventually the need for additional

generation over the long haul; Chairman added that the DSM program will also help retire some inefficient generation units.

In summary it was mentioned that the DSM program should be pursued because it helps reduce fuel costs and with more participation it will eventually reduce the need for additional generation and hasten the retirement of older generation units that are inefficient.

Comm. Limtiaco motioned to table this resolution until the March meeting in order to understand the rationale better; Comm. Guthertz seconded.

Comm. Santos asked how much DSM funding is anticipated on a going forward basis annually. The past three years totaled about $2-3M. Comm. Limtiaco said costs have doubled between 2017-2018 is it anticipated that this will double again this year? Asst GM Cruz confirmed yes.

Comm. Duenas said as this program is formalized more, how much will this program be taking from the LEAC and what does this mean to the LEAC rate. The CFO responded that for an additional $1M DSM spending the customer has to pay $2.16 more per kilowatt hour for LEAC to subsidize the DSM program. Another consideration is how will this decision impact non DSM customers – what benefits, if any do they get.

The resolution was tabled until the March meeting.

4.1.4 **GPA Resolution 2019-04 / GWA Resolution 15-FY2019 Unified Holiday Personnel Management Policy for GPA&GWA**

The CCU has directed GPA and GWA ("GPWA") to review their existing policies regarding personnel management, wage obligations and official recognition of holidays set by statute and those set by executive order. GPWA management has determined that a unified policy for both utilities should be in place to set forth how the various holidays shall affect GPWA's management, employees and customers. The CCU has solicited comments from GPA & GWA General Managers, General Counsels and Assistant General Managers regarding the proposed UNIFIED HOLIDAY PERSONNEL MANAGEMENT POLICY. Management of GPA and GWA request the Consolidated Commission on Utilities to adopt the proposed UNIFIED HOLIDAY PERSONNEL MANAGEMENT POLICY.

GPWA's holidays shall follow the holiday schedule listed at **1 GCA §1000 (a)** as it may be amended from time to time and shall be posted on each agency's website at the beginning of the calendar year. In the event a non-permanent holiday is declared by Executive Order of the Governor of Guam as allowed by **1 GCA §1000 (c)**, GPWA shall recognize said declaration and observe the holiday accordingly. Although GPWA will be observing the holiday, the policy of the utilities will be to provide customer service and GPWA's General Managers shall determine each agency's business needs for holidays declared by Executive Order, and ensure that employees and ratepayers are duly notified. GPWA Management is requesting the CCU to delegate to the General

Managers the power to determine each agency's business needs on permanent and non-permanent **Government of Guam holidays.**

The current paid holidays of the Government of Guam are:
(1) New Year's Day;
(2) Martin Luther King, Jr. Day, the third Monday in January;
(3) Guam History and Chamorro Heritage Day, the first Monday in March;
(4) Memorial Day, the last Monday in May;
(5) Independence Day, July 4th;
(6) Liberation Day, July 21st;
(7) Labor Day, the first Monday in September;
(8) All Souls' Day, November 2;
(9) Veterans' Day, November 11;
(10) Thanksgiving, the fourth Thursday in November;
(11) Our Lady of Camarin Day, December 8; and
(12) Christmas, December 25th.

Whenever a holiday listed in Subsection (a) of this Section falls on a Saturday or Sunday, the government of Guam shall follow the Federal government's practice for that holiday.

GM (A) Limtiaco said that from time to time the Governor of Guam may declare a holiday and it's been the practice of both utilities to revert back to the CCU to vote for the holiday. This resolution recognizes that we do follow the law and grant the holiday but both utilities still want to provide customer service during the holiday and to allow management to decide what their respective business needs are and to have a unified approach to that end.

Comm. Duenas said once in a while the governor declares a holiday and this resolution if passed will allow management to determine the needs of the utilities and allow for a skeleton crew to maintain operations paying holiday pay to only those that work that day. GM Bordallo said at the recent work session, there was discussion on the possibility of exchanging holiday - swapping one for another - GM Bordallo said GWA counsel's response is not favorable but his opinion is not official until he comes back from off-island.

Comm. Guthertz motioned to approve the resolution as written; second by Comm. Limtiaco. On the motion there was no further discussion or objection and the motion carried.

5. GWA

5.1 New Business

5.1.1 GM Report

GM Miguel said he had nothing to add to GM report presented at the work session. A copy of the GM report is available upon request.

5.1.2 **Financials**

The financials were not discussed - no change to report given at work session. A copy of the financials is available upon request.

5.1.3 **Resolution 13-FY2019 Relative to New Bank Signatories for GWA**

GWA maintains a variety of bank accounts, letter of credit facilities and other financial instruments and accounts at institutions including but not limited to the Bank of Guam, Bank of Hawaii, First Hawaiian Bank, Community First, Coast360, ANZ Guam, Bank Pacific. Certain employees are designated to sign checks and financial instruments including, but not limited to, letters of credit as well as for the authorization of electronic transactions on behalf of the Authority. It has been determined that recent changes in management has necessitated an update of signatories for the GWA financial instruments.

The following GWA personnel are authorized to sign financial instruments including checks, letters of credit, bank transfers and other transaction documents and to authorize other types of payments on behalf of GWA.

MIGUEL C. BORDALLO, P.E., General Manager
GILDA M. MAFNAS, Assistant Chief Financial Officer
CHRISTOPHER M. BUDASI, Assistant General Manager – Administration & Support
THOMAS F. CRUZ, P.E., Chief Engineer
SANDRA J. SANTOS, Controller

Further, transaction amounts of $10,000 or less will require a single signatory. All other transactions will require two signatories. Transaction amounts in excess of $250,000 will require the General Manager's signature or his designee. The Chairman and Secretary of the CCU are authorized to sign resolutions which are considered consistent with the authorizations granted in this resolution as may be required from time to time by specific financial institutions with which GWA conducts financial transactions. All transactions must be in accordance with delegations of contracting authority approved by the CCU and the GWA General Manager.

GM Miguel explained that for contract obligations and transfers GM historically is not required to sign these unless the CFO is absent; in past, only CFO signature is required. With question raised at the work session re GM signature being a requirement for all expenses, the resolution was revised to state that with transaction setting a $250k threshold requiring the GM's signature as one of the (2) signatures required. For transactions less than and up to $10k only a single signature is required; all other requires 2 signatures.

Comm. Guthertz asked if there is a standard accounting / auditing requirement for signatures and the response was there was none.

CFO Kim confirmed that the GPA GM signs all procurement purchases and direct payment requests. The GPA GM approves all except payroll and bond payments.

Comm. Santos asked who approves ACH for payroll – CFO Kim confirmed that the CFO or the Asst. CFO or Controller signs the ACH. The GM's signature is not required for ACH transactions.

Comm. Duenas said to CFO Kim to please bring this matter to GPA GM to see if he has any reaction / action related to the GPA side

Comm. Guthertz motioned to approve Resolution 13-FY2019; Comm. Limtiaco seconded. There was no further discussion or objection and the motion carried.

5.1.4 **Resolution 14-FY2019 Authorization to Re-establish Customer Refund Account with the Bank of Guam**

This resolution is to authorize management to re-establish a new Customer Refund Account, as recommended by the bank, due to recent fraudulent activities detected in the account. The account in question is with Bank of Guam. There are no incidental costs involved in this action and will take effect immediately upon adoption of this resolution.

GM Bordallo confirmed that GWA closed the account immediately upon the incident and requesting authority to open a new account. No funds were lost, the bank made GWA whole. It was mentioned that a police report was filed and that the related amount involved in the fraud was less than $1,000.

Comm. Guthertz motioned to approve Resolution 14-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion passed.

5.1.5 **GWA Resolution 15-FY2019 / GPA Resolution 2019-04 Adoption and Implementation of a Unified Holiday Personnel Management Policy for GPA & GWA**

This resolution was discussed at GPA portion of the agenda – reference Section 4.1.4 of these Minutes. The vote was taken for the record.

Comm. Limtiaco motioned to adopt GWA Resolution 15-FY2019; Comm. Guthertz seconded. There was no further discussion or objection and the motion carried.

5.1.6 **Resolution 16-FY2019 Authorizing the Ratification of Expenditures for Security Services with G4S and for the GWA to Seek the Approval of the Public Utilities Commission to Ratify Cost Exceeding One Million Dollar**

GM Bordallo said this is to ratify security services over the GM's authority. The # of guard was increased and cost went over the GM's threshold. There is an ongoing need to maintain the existing security services at several GWA facilities. In particular, GWA Upper Tumon Facility to include the main building and inside the customer service area, the laboratory, customer parking lot, warehouse and FMES areas. The contract amount is $15,356.09 (Ratification amount).and is revenue funded,

Comm. Guthertz motioned to approve Resolution 16-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion passed

1.1.7 **Resolution 17-FY2019 Relative to Amendment of the Assistant General Manager of Operations Classification Standards**

If approved, this resolution will authorize management to amend the Assistant General Manager of Operations job standards and salary range based on the 10th market percentile, 2017 market data; to facilitate the recruitment of the AGM position to support the Authority's daily operations of its Water and Wastewater Divisions, and construction and maintenance functions thereby providing effective and efficient delivery of safe drinking water and services to the community.

The CCU has mandated the recruitment of additional senior management support. The Authority currently employs one Assistant General Manager for Compliance & Safety and one Assistant General Manager – Administration & Support. The AGM of Operations position remains unfilled, while the operational divisions function remains under the supervision of the General Manager, affecting the efficiency and responsiveness of operations among Superintendents or Managers, who are addressing the water/wastewater needs of our community.

The Assistant General Manager of Operations will be under the direct supervision and management of the General Manager while overseeing and ensuring optimal performance of our Water and Wastewater Divisions. This position is revenue funded.

Public Law 34-131, §(e) as added and 4 GCA §6303 (d) & (2C), 5GCA, Chapter 10, Article 1 (Sunshine Law) requires GPA and GWA to post a petition on their websites for ten (10) days (not including Saturdays, Sundays and government of Guam holidays). After the 10 days posting, the petition can then be forwarded to the CCU for their disposition at any regularly scheduled meeting. GWA has met the posting requirements.

Additionally, Guam law requires notice of such posting to each newspaper of general circulation and broadcasting station, which airs regular news programs within Guam.

GM Bordallo said that a Professional Engineer (P.E.) license was a required classification and this resolution is to ask the Commission to change this and to make a PE license preferred not required. Salary is based on 10th market percentile.

There was discussed on the error in min./ max salary range and to correct maximum salary because it reads $4M. It was clarified that this error was corrected and that originals reflect the correct amount.

Comm. Guthertz motioned to approve the Resolution 17-FY2019; second by Comm. Limtiaco. There was no further discussion or objection and the motion carried.

5.1.8 **Resolution 18-FY2019 Approval of Policy on Timing and Issuance of Back Bills**

If ratified, this resolution will help to clarify areas within GWA rules and regulations which are silent about timing and issuance of back bills, and to recommend policy based on recent discussions by Commission Members about this topic. GWA Management proposes the Commission adopt the recommended policy on acceptable timeframes for

these activities. The proposed policy is based on the following activities required within the involved GWA divisions:

Customer Service (Water Meter Exchange)

1) Work order created.
2) Water meter replaced and sent to testing facility.
3) Work order information submitted to customer service for recording into customer billing system.
4) Work order and new water meter information entered and posted into customer billing system.
5) Notice of meter replacement is automatically generated and sent to customer.
6) Meter exchange process takes up to 10 working days or 2 weeks to complete.

Meter Test Facility

1) Water meter received from field team and tested.
2) Testing results transmitted to Customer Service.
3) Testing results entered and posted into Customer Billing system.
4) If testing indicates a faulty water meter, then notice is automatically generated and sent to customer's that a back-bill may be forthcoming.
5) Process takes up to 30 working days or 2.5 months to complete.

Finance (Issuing Back Bill)

For customers determined to have faulty water meters:

1) Print water meter exchange and testing documentation, review, calculate back-billing amount, submit to supervisor for sign off.
2) Notice to customer manually generated with billing adjustment details and sent to customer.
3) Billing adjustments are entered and posted into Customer Billing system.
4) Documents generated by finance scanned and shared with customer service to support future customer inquiries.
5) Process runs concurrently with water meter testing process and takes up to 70 working days or 3.5 months to complete.

The time standards affect the following departments: Customer Service (water meter exchange task force), Meter Test Facility, IT and Finance. Each department is responsible to refine its processes to ensure time standards are met for issuing back bills. The time standard will be effective upon adoption of the policy resolution. No additional funding is required for this action.

Comm. Santos moved to approve the resolution; second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

5.1.9 **Resolution 19-FY2019 Approval of Funding Increase for the Baza Garden Conveyance and Pump Design**

During the course of the on-going Baza Gardens Wastewater Cross-Island Pumping and Conveyance System construction project, in which the construction completion period had been extended a couple of times, the need for additional design services during

construction for responses to RFI's, as-built survey work of completed structures, archeological monitoring of excavations near Agat, and the re-design of the final surface grading at the Baza Gardens treatment plant site have emerged.

This authorization will fund the additional services as noted above and is necessary for the completion of the $30M Baza Gardens Wastewater Cross-Island Pumping and Conveyance System construction projects.

The additional funding authorization per this resolution is One Hundred Thousand Dollars ($100,000.00) which will increase the total funding for design services to a maximum of Three Million Three Hundred Fifty-Eight Thousand Nine Hundred Fourteen Dollars and Eighty Cents ($3,358,914.80). The funding for the additional services will be from Bond Funds under the line items CIP WW 09-08 and WW 11-03, Internally Funded CIP fund or SDC, as applicable. The estimated the overall project will be completed by April 2019.

Comm. Limtiaco motioned to approve Resolution 19-FY2019; second by Comm. Guthertz. There was no further discussion or objection and the motion carried.

6. ANNOUNCEMENTS

6.1 Next CCU Meeting

The Chairman announced that the next CCU meeting would be a GWA Work Session on March 19; a GPA Work Session on March 21 and the monthly CCU meeting on March 26.

The Chairman said that there are a couple of items to discuss in executive session and presented the required affidavit from Legal Counsel Kelly. He called for a 15-min. recess before Executive Session. The time was 6:50 p.m.

7. EXECUTIVE SESSION

7.1 **Litigation Matter –** This matter was discussed, no action taken.

7.2 **Personnel Matter** – This matter was discussed, no action taken.

Executive Session ended at 7:15 p.m.

8. ADJOURNMENT

There was no further business to bring before the Commission.

Comm. Santos motioned to adjourn the meeting; Comm. Limtiaco seconded.

It was 7:20 p.m.

\\s\\

Bls

Attested:

JOSEPH T. DUENAS, Chairman

MICHAEL T. LIMTIACO Secretary

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

GWA RESOLUTION NO. 21-FY2019

RELATIVE TO THE APPROVAL OF THE CONTRACT RENEWAL WITH GUAM PACIFIC ENTERPRISE AND JMI-EDISON FOR THE ADDITIONAL PURCHASES OF SUBMERSIBLE CABLES, TEMPERATURE SENSORS AND 2 HP BOOSTER PUMP MOTORS

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA issued Bid Number 2015-08 to solicit bid proposals from experienced and responsive bidders to provide temperature sensors, submersible cables and 2HP booster pump and motors to provide adequate stock replenishment when needed; and

WHEREAS, there were two (2) responsive and responsible bidders who offered temperature sensors, submersible cables and 2HP booster pump and motors meeting requirements in IFB 2015-08 (see Exhibit A – Recommendation of Award); and

WHEREAS, IFB 2015-08 offers were evaluated by GWA's review committee and GWA's review committee determined that the best offer for temperature sensor and submersible cables was made by Guam Pacific Enterprise (see Exhibit B – NTCA GPE); and

WHEREAS, GWA's review committee also determined that the best officer for 2HP booster pump and motor was made by JMI-Edison (see Exhibit C -NTCA JMI); and

WHEREAS, GWA accepted Guam Pacific Enterprise's bid proposal (see Exhibit A) and entered into a three (3) year contract (see Exhibit D – NTP GPE) for 6" temperature sensor at $695.00 each and 8" temperature sensor at $695.00 each for an estimated annual cost of Thirteen Thousand Nine Hundred Dollars ($13,900.00), and for an estimated three (3) year contract amount of Forty One Thousand Seven Hundred Dollars ($41,700.00) and for #4 AWG CU 4-Wire at $ 11.21 per foot, #1 AWG CU Wire at $22.22 per foot and #2/0 AWF CU 4 Wire at $26.59 per foot for an estimated annual cost of One Hundred Seventy Nine Thousand Eight Hundred Sixty Dollars ($179,860.00) and for an estimated three (3) year contract amount of Five Hundred Thirty Nine Thousand Five Hundred Eighty Dollars ($539,580.00), with a grand total to supply the temperature sensors and submersible cables of Five Hundred Eighty One Thousand Two Hundred Eighty Dollars ($581,280.00); and

WHEREAS, GWA accepted JMI Edison's bid proposal (see Exhibit A) and entered into a three (3) year contract (see Exhibit D – NTP JMI) for 2HP booster pump and motor of $1,409.30 each for an estimated annual cost of Forty Nine Thousand Three Hundred Twenty Five Dollars and Fifty Cents ($49,325.50), and for a an estimated three (3) year contract amount of One Hundred Forty Seven Thousand Nine Hundred Seventy Six Dollars and Fifty Cents ($147,976.50); and

WHEREAS, the total amount expensed as of December 2018 for the GPE contract is Five Hundred Seventy-Five Thousand Three Hundred Forty-Five Dollars ($575,345.00) for Submersible Cables; and

WHEREAS, the amount required to extend the GPE contract and purchase additional submersible cables is Four Hundred Eighty Thousand One Hundred Sixty Dollars ($480,160.00) for the additional 2-year contract extension (see Exhibit G), and a ten percent (10%) contingency of Forty-Eight Thousand Sixteen Dollars ($48,016.00). The projected total contract amount for GPE with the two (2) year extension will be One Million One Hundred Three Thousand Five Hundred Twenty-One Dollars ($1,103,521); and

WHEREAS, the total amount expensed as of December 2018 for the JMI contract is One Hundred Thirty-Nine Thousand Two Hundred Fifty-Six Dollars and Twenty-Nine Cents ($139,256.29) for the 2HP booster pump and motors; and

WHEREAS, the amount required to extend the JMI contract and purchase additional 2HP booster pump motors are One Hundred Twelve Thousand Seven Hundred Forty-Four Dollars ($112,744.00) for the additional 2-year contract extension (see Exhibit H); and a ten percent (10%) contingency in the amount of Eleven Thousand Two Hundred Seventy-Four Dollars and Forty Cents ($11,274.40). The projected total contract amount for JMI with the two (2) year contract extension will now be Two Hundred Sixty-Three Thousand Two Hundred Seventy-Four Dollars and Sixty-Nine Cents ($263,274.69); and

WHEREAS, the source of funding for the additional submersible cable and 2HP booster pump motor purchase will be Revenue Funds; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes the management of GWA to proceed with the two (2) year extensions for both the GPE and JMI contracts based on the renewal provisions of IFB 2015-08.
3. The CCU hereby authorizes the management of GWA to purchase submersible cables and temperature sensors from GPE in the amount of Four Hundred Eighty Thousand One Hundred Sixty Dollars ($480,160.00) (see Exhibit F1) plus a ten percent (10%) contingency of Forty-Eight Thousand Sixteen Dollars ($48,016.00) for a total of Five Hundred Twenty-Eight Thousand One Hundred Seventy-Six Dollars ($528,176.00).
4. The CCU hereby authorizes the management of GWA to purchase 2 HP booster pump motors from JMI in the amount of One Hundred Twelve Thousand Seven Hundred Forty Four Dollars ($112,744.00) (see Exhibit F2), plus a ten percent (10%) contingency in the amount of Eleven Thousand Two

Hundred Seventy-Four Dollars and Forty Cents ($11,274.40) for a total of One Hundred Twenty-Four Eighteen Dollars and Forty Cents ($124,018.40).

5. The CCU hereby further authorizes the management of GWA to seek PUC Approval as required by Docket 00-04.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

///

///

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

EXHIBIT A

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-08
Ref: Submersible Cables/Booster Pump/Temperature Sensor

Invitation for Bid No: GWA 2015-08 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on August 27, 2015 and open as scheduled on October 09, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. JMI Edison
2. Nidhi Computers
3. G4S Security Systems
4. Guam Pacific Enterprises
5. Matrix Design Group
6. Canton Construction
7. AECOM
8. Utilities Service Specialties
9. HFP Industrial Products
10. Damon Harper
11. ADDS

Of the eleven (11), two (2) submitted their bid package, namely:

- JMI Edison
- Guam Pacific Enterprises

An evaluation committee was formally assembled and met on October 12, 2015 @ 10:00 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

The committee members reviewed both bid proposal and have determined GPE Enterprises submitted a fair and lowest cost on Item NO: 1.0, 1.1, 3.0, 3.1and 3.2 and with JMI Edison respectfully submitted a fair and lowest cost on Item NO: 2.0 are as followed:

Guam Pacific Enterprises (GPE) submitted cost:

ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	TOTAL COST
1.0	Temperature Sensor 6"	10 EA	$695.00	$6,950.00
1.1	Temperature Sensor 8"	10 EA	$695.00	$6,950.00
3.0	SUBMERSIBLE ELECTRICAL CABLE # 4 AWG CU, 4-WIRE (NOTE: TO BE USED ON 50/60 HP SUBMERSIBLE MOTORS)	10,000 FT	$11.21	$112,100.00
3.1	SUBMERSIBLE ELECTRICAL CABLE # 1 AWG CU, 4-WIRE (NOTE: TO BE USED ON 75/100 HP SUBMERSIBLE MOTORS)	4,000 FT	$22.22	$88,880.00
3.2	SUBMERSIBLE ELECTRICAL CABLE # 2/0 AWG CU, 4-WIRE (NOTE: TO BE USED ON 125/150 HP SUBMERSIBLE MOTORS)	3,000 FT	$26.59	$79,770.00

JMI Edison submitted cost:

ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	TOTAL COST
2.0	BOOSTER PUMP AND MOTOR (GRUNDFOS)	35 EA	$1,409.30	$49,325.50

After a thorough evaluation the committee members agreed and accepted both bid offer from Guam Pacific Enterprises and JMI Edison for each of the bid items listed and has determined they complied with all specifications and requirements and are deem as a responsive and responsible bidder set forth in the IFB.

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

Karen Cheryl O. Grape, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

GREG P. CRUZ, ACTING GENERAL MANGER

Guam
Waterworks
Authority

facsimile transmittal

EXHIBIT B

To: Guam Pacific Enterprises **Fax:** 649-6988

Inc. **PH:** 649-6997

Attn: Sedfrey

From: Tony Camacho **Date:** December 10, 2015

300-6030 (PH)

649-3750 (FX)

Re: Notice of Conditional Award **Pages: 3**

CC:

xx Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Sedfrey,

Please see attached, Notice of Conditional Award for IFB- 2015-08. Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

Transmission Report

Date/Time	12-10-2015	03:44:21 p.m.	Transmit Header Text	
Local ID 1	6716493750		Local Name 1	GWA Procurement Supply

This document : Confirmed
(reduced sample and details below)
Document size : 8.5"x11"

Guam
Waterworks
Authority

facsimile transmittal

To: Guam Pacific Enterprises Inc. Fax: 649-6986
PH: 649-6997
Attn: Sedfrey

From: Tony Camacho Date: December 10, 2015
300-6030 (PH)
649-3750 (FX)

Re: Notice of Conditional Award Pages: 3

cc:

[X] Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Sedfrey,

Please see attached, Notice of Conditional Award for IFB- 2015-08.
Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

Total Pages Scanned : 3 Total Pages Confirmed : 3

No.	Job	Remote Station	Start Time	Duration	Pages	Line	Mode	Job Type	Results
001	489	6496988	03:25:20 p.m. 12-10-2015	00:00:58	3/3	1	EC	HS	CP26400

Abbreviations:
HS: Host send
HR: Host receive
WS: Waiting send
PL: Polled local
PR: Polled remote
MS: Mailbox save
MP: Mailbox print
RP: Report
FF: Fax Forward
CP: Completed
FA: Fail
TU: Terminated by user
TS: Terminated by system
G3: Group 3
EC: Error Correct

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

Date: December 07, 2015

Guam Pacific Enterprises Inc.
P.O. Box 23128
GMF, Guam 96921
Phone: 649-6997
Fax: 649-6988

Re: Invitation for Bid Number: IFB 2015-08 Submersible Cables/Booster Pump/ Temperature Sensor

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by- Guam Pacific Enterprises Inc. for the above described reference in response to its Advertisement for Bids dated **August 27, 2015** and you are hereby notified that the submitted bid cost for **Item No. 1.0**, Temperature Sensor 6", **Item No. 1.1**, Temperature Sensor 8", **Item No. 3.0** Submersible Electrical Cable 10,000 feet, **Item No. 3.1**, Submersible Electrical Cable 4,000 feet, **Item No. 3.2**, Submersible Electrical Cable, 3,000 feet has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

/

/

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the

Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By:_____ Title:_____
Signature (please print)

Dated this ____ day of _____, 2015.

* * * * * * * * END OF CONDITIONAL NOTICE OF AWARD * * * * * * *

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the

Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By: _____ Title: President
Signature (please print)

Dated this 10th day of December, 2015.

******* END OF CONDITIONAL NOTICE OF AWARD *******

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building
688 Route 15, Mangilao GU, 96913

NOTICE OF CONDITIONAL AWARD

EXHIBIT C

Date: December 07, 2015

JMI-Edison
P.O Box 6577
Tamuning, Guam 96931
Phone: 646-6400
Fax: 649-4835

Re: Invitation for Bid Number: IFB 2015-08 Submersible Cables/Booster Pump/ Temperature Sensor

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by- JMI-Edison for the above described reference in response to its Advertisement for Bids dated **August 27, 2015** and you are hereby notified that the submitted bid cost for **Item No. 2.0**, Booster Pump and Motors (Grundfos) has been accepted by GWA. Please be advised that you must now deliver all other documents required by the bid, including, but not limited to, proof of insurance and the Performance and Payment Bond (which must remain in full force and effect until all performance has ended, which includes all warranty periods).

You are also advised that any obligation incurred by your firm prior to execution of the contract is entirely at your own risk and GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over $250,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed $1M. Also, award is conditional upon providing any documents such as proof of licensure, proof of insurance or other documents required to be submitted to GWA under the Bid or Guam law.

/

/

Ref: IFB 2015-08 Submersible Cables / Booster Pump / Temperature Sensor

You are required to return an acknowledged copy of this Conditional Notice of Award to the Procurement & Supply Administrator.

Sincerely,

Greg P. Cruz
Acting General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB No. 2015-08 is hereby acknowledged

By: Jeffrey Baeste
Signature

Title: Operations Manager
(please print)

Dated this 10th day of December, 2015.

* * * * * * * * END OF CONDITIONAL NOTICE OF AWARD * * * * * * *

Guam
Waterworks
Authority

facsimile transmittal

To: JMI-Edison Fax: 649-4835

Attn: Jeff PH: 646-6400

From: Tony Camacho Date: December 10, 2015

300-6030 (PH)

649-3750 (FX)

Re: Notice of Conditional Award Pages: 3

CC:

xx Urgent ☐ For Review ☐ Please Comment [X] Please Reply ☐ Please Recycle

Good afternoon Jeff,

Please see attached, Notice of Conditional Award for IFB- 2015-08. Please sign upon receipt of the documentation, and forward to Guam Waterworks as soon as completed.

Thank You,
Antonio C. Camacho

EXHIBIT D

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

JAN 0 4 2016

NOTICE TO PROCEED

Mr. Sedfrey Linsangan
P.O. Box 23128
GMF, Guam 96921

Telephone: 649-6994/6997
Facsimile: 649-6988

Project No: GWA IFB 2015-08
Project Name: Cables, Submersible Pumps/Temperature Sensors

Dear Mr. Linsangan

You are hereby notified to commence work in accordance with the contract dated 10th day of December 2015. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-08 Cables, Booster Pumps & Temperature Sensors

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 4th day of January 2016.

Contractor: GPE INC.

Print Name & Title: Sedfrey M Linsangan President

Signature: [signature]

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

JAN 0 4 2016

NOTICE TO PROCEED

EXHIBIT E

Mr. Jeff Paeste
P.O. Box 6577
Tamuning, Guam 96931

Telephone: 646-6400
Facsimile: 649-4835

Project No: GWA IFB 2015-08
Project Name: Cables/Booster Pumps/Temperature Sensors

Dear Paeste,

You are hereby notified to commence work in accordance with the contract dated **10th** day of **December 2015**. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-08 Cables, Booster Pumps & Temperature Sensors

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 4TH day of January, 2016.

Contractor: JMI Edison

Print Name & Title: JEFF PAESTE, Operations Manager

Signature:

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

EXHIBIT F - 1

GUAM PACIFIC ENTERPRISE

Estimated Purchase Quantity and Cost for 2 Year Contract Renewal

Guam Pacific Enterprise	Description	Unit Cost	2 Year Est Qty	Est 2 year Cost
3.1	Submersible Electrical Cable #2/0 AWG CU, 4 Wire (Note: to be used on 125/150 HP Submersible Motors)	$26.59	8000	$212,720.00
3.2	Submersible Electrical Cable #4 AWG CU, 4 Wire (Note: to be used on 50/60 HP Submersible Motors)	$11.21	8000	$89,680.00
3.3	Submersible Electrical Cable #1 AWG CU, 4 Wire (Note: to be used on 75/100 HP Submersible Motors)	$22.22	8000	$177,760.00
Guam Pacific Enterprise 2 Year Estimated Cost				**$480,160.00**
Contingency 10%				$48,016.00
Total Requested Funding				**$528,176.00**

Guam Pacific Enterprise IFB 2015-08 Date Acknowledgements

IFB 2015-08	Guam Pacific Enterprise
Notice of Conditional Award	Dec 15, 2015
Notice to Proceed	Jan 4, 2016
3 Year Contract	Jan 4, 2019
2 Year Contract Renewal	Jan 29, 2019

GUAM WATERWORKS AUTHORITY
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Tel: (671) 300-6846

EXHIBIT F - 2

JMI EDISON

Estimated Purchase Quantity and Cost for 2 Year Contract Renewal

JMI Edison	JMI Edison	Unit Cost	2 Year Est Qty	Est 2 year Cost
2.0	2HP BPM	$ 1,409.30	80	$112,744.00
Contingency 10 %				$11,274.40
Total Requested Funding				$124,018.40

JMI - Edison IFB 2015-08 Date Acknowledgements

IFB 2015-08	JMI Edison
Notice of Conditional Award	Dec. 15, 2015
Notice to Proceed	Jan. 4, 2016
3 Year Contract	Jan 4, 2019
2 Year Contract Renewal	Jan 29, 2019

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

EXHIBIT G

Guam Pacific Enterprises
P.O. Box 23128
Tamuning, Guam 96931
GMF, Guam 96921
Ph: 649-6994/6997 Fax: 649-6988

Project No: GWA IFB 2015-08
Project Name: Cable/Booster Pumps/Temperature Sensors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Linsangan,

We would like to inform you IFB 2015-08 Cable/Booster Pumps/Temperature Sensors bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If GPE agrees to renew this contract, please acknowledge by signing below;

Date: 1/29/19

Sedfrey Linsangan,
President.

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

EXHIBIT H

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-08
Project Name: Cable/Booster Pumps/Temperature Sensors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-08 Cable/Booster Pumps/Temperature Sensors bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

Date: 1/29/19

Romeo Oriondo,
Operations Manager.

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

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

RESOLUTION NO. 22–FY2019

RELATIVE TO APPROVAL OF FUND INCREASE TO THE AGAT/SANTA RITA WASTEWATER TREATMENT PLANT CONSTRUCTION PROJECT

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical Court Order ("CO") projects including a complete evaluation of the Agat Santa Rita WWTP to determine what improvements are necessary at the plant to achieve compliance with the WWTP's NDPES permit and eliminate by-passes at the plant, as stated in Paragraph 10 of the 2011 Court Order; and

WHEREAS, the system evaluation report prepared in December of 2013 by EA Engineering, a sub-consultant to GWA's Program Management Office, resulted in a recommendation to GWA and the USEPA that the existing Agat Santa Rita WWTP needs to be replaced; and

WHEREAS, in March of 2014 GWA began the procurement process to find a consulting engineering team to design the new WWTP and via Resolution 34-FY14, approved by the CCU in August of 2014, GWA management was authorized to enter into a contract with Duenas Camacho and Associates to design the new wastewater treatment plant on property already designated for WWTP use and located adjacent to the Tipalao Sewer Pump Station; and

WHEREAS, GWA has determined that the most expedient process to meeting the Court Order Paragraph 11 deadline of December 31, 2016 was to break the construction activities into

two phases with Phase I for Clearing and Grading and Phase II for all vertical and plant process construction; and

WHEREAS, GWA management obtained CCU and PUC approval via Resolution 28-FY15 and PUC Order 15-06, respectively, to reallocate 2013 bonds proceeds in the amount of $48,200,000.00 to the CIP line Item WW 11-08 "Agat/Santa Rita STP Replacement" as means of ensuring GWA will have sufficient funding to enter into a contract with the lowest responsible and responsive bidder for the Phase II construction project; and

WHEREAS, Resolution 10-FY2016 was approved by the CCU on December 10, 2015, which authorizes a funding total in an amount not to exceed Fifty-Nine Million Ten Thousand Dollars ($59,010,000); and

WHEREAS, GWA executed the construction contract with SMCC on January 8, 2016, as GWA Project No. S14-007-BND, in the amount of Fifty-Six Million Two Hundred Thousand Dollars ($56,200,000); and

WHEREAS, GWA has executed multiple Change Orders to the project's scope of work (SOW) which has increased the construction contract value to Fifty-Eight Million Two Hundred Ninety-Three Thousand Seven Hundred Ninety-Two Dollars and Eighty-Three Cents ($58,293,792.83); and

WHEREAS, GWA anticipates further change orders will be forthcoming to address a variety of construction issues, including additional paving, electrical system enhancements, and miscellaneous modifications, and as such GWA management seeks CCU approval to increase the funding authority an additional Five Hundred Forty Thousand Dollars ($540,000.00) to bring the total funding authorization to Fifty-Nine Million Five Hundred Fifty Thousand Dollars ($59,550,000); and

WHEREAS, funding for this project will be from the Bond Funds under the line items CIP WW 11-08 "Agat/Santa Rita STP Replacement", System Development Charges, Internally Funded CIP, if applicable; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
3. The CCU hereby approves the increase in funding authorization an additional Five Hundred Forty Thousand Dollars ($540,000.00) to bring the total authorized funding for the project to Fifty-Nine Million Five Hundred Fifty Thousand Dollars ($59,550,000).
4. The CCU hereby further approves funding for this project to be from the Bond Funds under the line items CIP WW 11-08, System Development Charges and Internally Funded CIP, if applicable.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

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

RESOLUTION NO. 23-FY2019

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 8 FOR THE AGAT SANTA RITA WASTEWATER TREATMENT PLANT UPGRADE CONSTRUCTION MANAGEMENTCONTRACT

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical Court Order ("CO") projects including work required at the Agat Santa Rita Wastewater Treatment Plant that is necessary for the plant to achieve compliance with the WWTP's NDPES permit, eliminate by-passes at the plant, ensure that solids generated by the WWTP are adequately stabilized and dewatered, and to comply with sludge and biosolids requirements 40 C.F.R. Part 503 as stated in Paragraph 11 of the 2011 Court Order; and

WHEREAS, GWA executed contracts with Sumitomo Mitsui Construction Company (SMCC) to construct the new WWTP and with GHD, Inc. to provide construction management services; and

WHEREAS, the construction activities have been delayed and completion of all construction activities by SMCC is now expected to extend through June 2019; and

WHEREAS, the CM Services have been extended only through April 30, 2019, as per Change Order No. 7 which was authorized via Resolution No. 17-FY2018, and

WHEREAS, with the new anticipated construction completion moving to the end of June 2019 GWA estimates additional CM services being provided on a time & material basis would not exceed One Hundred Twenty-Five Thousand Dollars ($125,000.00) per month, based on scope and effort estimates which GWA is currently finalizing with GHD; and

WHEREAS, GWA management seeks CCU approval to increase the funding authorization an additional amount not to exceed Two Hundred Fifty Thousand Dollars ($250,000) to compensate GHD for CM services through June 30, 2019; and

WHEREAS, approval of the funding authorization increase and subsequent Change Order will result in a total contract amount for CM services to be Six Million Three Hundred Fifty Thousand Eight Hundred Ten Dollars ($6,350,810.00); and

WHEREAS, funding for this project will be from the bond funds under the line item - WW 11-08 "Agat/ Sta Rita STP Replacement", System Development Charges, Internally Funded CIP, as well as Liquidated Damages of $5,000 per day from the contractor beginning September 15, 2018, where applicable; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the conditions set by GWA relative to commencement of subsequent work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
3. The CCU hereby approves an increased funding authorization to an amount not to exceed of Two Hundred Fifty Thousand Dollars ($250,000).
4. The CCU hereby further approves GWA management execute a Change Order with GHD for additional CM services to bring the total contract amount to Six Million Three Hundred Fifty Thousand Eight Hundred Ten Dollars ($6,350,810.00).

5. The source of funding for the additional CM services will be from the bond funds under the line item - WW 11-08 "Agat/ Sta Rita STP Replacement", System Development Charges, Internally Funded CIP, as well as Liquidated Damages of $5,000 per day from the contractor beginning September 15, 2018.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

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

RESOLUTION NO. 26-FY2019

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 2 FOR ASAN SPRINGS WATER SUPPLY FACILITIES

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA is currently working to revitalize the Asan Springs facility to distribute the source water to the surrounding customers; and to reduce or eliminate the water purchased from the Navy; and

WHEREAS, the CCU has approved Resolution No. 46-FY2016 in July 2016 that authorizes GWA to enter into contract with HDR for design services related to Asan Springs Rehabilitation project for an amount of Three Hundred Seventy-Four Thousand Four Hundred Seventy Dollars ($374,470.00); and

WHEREAS, the CCU also approved a ten percent (10%) contingency of Thirty-Seven Thousand Four Hundred Forty-Seven Dollars ($37,447.00) to bring the total authorized funding amount to Four Hundred Eleven Thousand Nine Hundred Seventeen Dollars ($411,917.00) for the design services; and

WHEREAS, the design services HDR is already required to perform for Asan Springs Rehabilitation includes:

(1) site investigations, and system evaluations of the existing Asan Springs Water Facility, and

(2) development of design plans and specifications for repairing historical damage to a 100,000-gallon spring water impoundment, booster station upgrades, instrumentation and control upgrades, control valve upgrades, pipe upgrades, installation of new disinfection equipment and other general site and system upgrades; and

WHEREAS, GWA issued Change Order No. 1 to HDR in January 2019 in the amount of Thirty-Five Thousand Five Hundred Ninety-Nine Dollars ($35,599.00) for additional services required for land acquisition and federal permitting needs in which the total value of the Contract was increased to Four Hundred Ten Thousand Sixty-Nine Dollars ($410,069.00); and

WHEREAS, GWA engineering has further determined, through the course of the design work with the engineering consultant, that additional water distribution system improvements associated with the work noted above require increased detailed design as well as additional environmental work needed to address NEPA requirements due to federal property ownership, thus expanding the designer's scope of work; and

WHEREAS, GWA management finds that the design of the necessary water distribution system improvements and related environmental work would be best handled by the current design consultant given the alternative solutions were provided by them; and

WHEREAS GWA management expects the final design to be completed expeditiously and that savings in consulting costs would be realized in using the existing consultant, as opposed to issuing a whole new Request for Proposal for the necessary design and consulting work; and

WHEREAS, GWA is requesting for additional environmental and design work which includes the following:

(1) a National Environmental Policy Act (NEPA) Environmental Assessment with associated planning and agency coordination,

(2) additional coordination with USACE to confirm that no Clean Water Act Section 404 permitting is required,

(3) additional documentation and coordination for compliance with the Coastal Zone Management Act,

(4) federal biological resources investigation and biological assessment of the site to address the possibility of newly listed endangered species being present on the Asan Springs site and assess the potential impacts to those species,

(5) and possible translocation and monitoring of the endangered species, should any be found

WHEREAS, GWA engineering and HDR are in negotiations for the price for the services to be provided, and the current proposal is in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00) (Exhibit A – Scope of Work and Fees); and

WHEREAS, GWA Management is seeking CCU approval of a not-to-exceed amount as outlined in the current fee proposal relative to Change Order No. 2 in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00) to fund the additional design and environmental services; and

WHEREAS, GWA Management further seeks CCU approval of the total fund authorization for the design contract with HDR for a not-to-exceed amount of Seven Hundred Ninety-Four Thousand Five Hundred Twelve Dollars ($794,512.00); and

WHEREAS, funding for this project will be from 2010 Bond Funds under CIP line item PW 05-15 Rehabilitation of Asan Springs; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the fee proposal submitted by HDR are fair and reasonable.

3. The CCU finds that the terms of the conditions set by GWA relative to the commencement of subsequent work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
4. The CCU hereby authorizes GWA management to execute a Change Order with HDR (Exhibit A) in the amount of Three Hundred Eighty-Two Thousand Five Hundred Ninety-Five Dollars ($382,595.00).
5. The CCU hereby further approves the funding authorization to an amount of Seven Hundred Ninety-Four Thousand Five Hundred Twelve Dollars ($794,512.00).
6. The CCU hereby further approves the funding will be Bond Funds under the CIP line items PW 05-15 "Rehabilitation of Asan Springs".

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

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Exhibit A

February 1, 2019

Mr. Brett Railey, PE
Senior Engineering Supervisor
The Guam Waterworks Authority
Engineering Division
Gloria B. Nelson Public Service Building
688 Rt. 15
Mangilao, Guam 96913

SUBJECT: Engineering Design Services – Change Order #2-Revised, Asan Springs Rehabilitation Project
RFP-11-ENG-2015, GWA Project No. W11-003-BND

Dear Mr. Railey,

HDR appreciates the opportunity that we have had to provide design services in relation to this project. As our work has progressed and continues to progress, we have identified areas that have exceeded what our original scope of work and proposal fee had included. We have detailed these below:

Task 5 – Detailed Design

a. The original scope of work was prepared based upon our initial review of the site and anticipated effort prior to conducting any detailed condition assessment of the site. In our initial estimate for the construction drawings, we had estimated approximately 25 sheets to be prepared by HDR, which included a combination of general information, process flow, civil, minor structural, electrical and instrumentation sheets. Additionally, approximately 4 sheets were planned to be produced by our subconsultant, Coffman Engineers, for the mechanical design for the project to bring a total sheet count to approximately 30 sheets.

   The design has resulted in our total sheet count to increase by approximately 28 sheets for a total sheet count of 58 sheets, excluding sheets that were prepared in association with the new chlorination building. These new sheets have included additional sheets needed for the drainage, concrete ditch, additional structural sheets needed for the impoundment repairs after a structural investigation was performed on the interior and exterior of the structure, additional electrical/instrumentation for the chlorination building and SCADA requirements, and lastly additional detail sheets.

hdrinc.com

134 W Soledad AvenueSuite 404Hagåtña, GU 96910-5079
(671) 989-5558

Total Task 5a Additional Fee: $83,555 (Excluding GRT)

New Task 8 – Environmental Services

Subtask 8.1 – National Environmental Policy Act (NEPA) – Environmental Assessment

It is anticipate that a categorical exclusion is not the appropriate level of NEPA for construction activity associated with restoring the Asan Springs Water Supply Facility (ASWSF) to full production capacity. Therefore, HDR believes that an Environmental Assessment (EA) is the appropriate level of impact assessment for this project. It is anticipated that the National Park Service (NPS) will be identified as the lead federal agency for preparing this document, therefore the remaining scope is prepared with the assumption that NPS is the lead federal agency and all work products will be developed under the supervision of NPS.

HDR will develop an EA in compliance with the Council on Environmental Quality (CEQ) regulations implementing the National Environmental Policy Act (NEPA) at 40 CFR 1500-1508, the NPS NEPA compliance guidance handbook (Director's Order [DO]-12, *Conservation Planning, Environmental Impact Analysis, and Decision-making*), and the recent Department of Interior (DOI) Secretarial Order regarding streamlining NEPA (SO 3355).

This task will include conducting the following:

Subtask 8.1a – Planning and Agency Coordination

- HDR will begin the development of the EA by setting up an Administrative Record (AR) with an index system from the outset. In keeping with NEPA's implementing regulations, the AR will consist of any documents and materials that will directly or indirectly be considered by the NPS, regardless of whether such documents or materials are supportive or contrary to the final agency action. HDR will prepare the AR in accordance with Federal Administrative Record Guidelines. We have developed a system for receiving, organizing, archiving, and making all Administrative Record documents available to the entire project team - including HDR and client team members - using SharePoint sites. All electronic Administrative Record documents and an updated index would be accessible to NPS throughout the duration of the project.

Subtask 8.1b – Kickoff Meeting and Scoping

- Following the implementation of this change order, HDR's NEPA Project Manager will collaboratively facilitate and organize the project kick-off meeting. Inclusion of all major involved resource leads in the kick-off meeting would allow consensus and confirmation of the roles and responsibilities of each party; early identification and understanding of critical points in the process ahead, and establishment of communication and work flow protocols would facilitate efficiency and collaboration throughout the remainder of the NEPA process.
- HDR's NEPA Project Manager will also refine the project schedule and internally distribute the document template and guidelines. HDR will utilize existing data, whenever available, to develop the associated EA in accordance with NPS policies. HDR will work with NPS to define the Purpose and Need and Description of the Proposed Action. In coordination with NPS and as part of the scoping process, we will determine which environmental resource topics should be included for detailed analysis and which should be dismissed from further consideration in the EA to ensure a streamlined and focused document. Key resource areas anticipated for consideration in the EA include water, soils, vegetation, wildlife, noise, land use, cultural resources, aesthetics, park operations, and socioeconomics.
- Our environmental resource leads will identify and analyze the environmental impacts of the proposed action and no action alternative. This may include, but not necessarily be limited to: conducting literature searches; preparing graphs, maps, charts and tables; calculating; interviewing experts; and documenting such research, analyses, or use of professional judgment in the absence of preexisting information. We will utilize GIS for any needed data analysis and mapping. GIS data will be compiled from existing sources. If available, aerial photography will be used as a backdrop for much of the GIS in the desktop evaluation and in maps and figures. Data deliverables will comply with the standards established by the Spatial Data Standards for Facilities, Infrastructure, and Environment, as well as a Federal Geographic Data Committee, and other data standards as needed.

Subtask 8.1c – NEPA Preliminary Draft EA

- Prepare a preliminary draft EA analyzing the proposed action and no action alternative.

Subtask 8.1d – NEPA Draft EA

- Prepare a public draft EA after receiving and addressing comments from both GWA and the National Park Service.

- Conduct the required 30 day public review of the draft EA.

Subtask 8.1e – NEPA Final EA

- Prepare a final EA after receiving and addressing public comments. HDR will also prepare a draft Findings of No Significant Impacts (FONSI), if determined to be appropriate.

Deliverables:

- One (1) Electronic copy of kickoff meeting materials and minutes.
- One (1) Electronic copy of mailing list
- One (1) Electronic copy of scoping notices and stakeholder letters
- Two (2) Scoping Notice Placements in local newspapers or record and mailing of letters
- One (1) Electronic copy of scoping report
- Two (2) Hard copies and electronic copies of Preliminary Draft EA to GWA and NPS.
- Two (2) Electronic copies of Draft EA to GWA and NPS.
- Six (6) Hard copies, six (6) electronic copies of Draft EA to repositories.
- One (1) Electronic copy of notice of availability and stakeholder letters
- Two (2) Notice of Availability placed in local newspaper of record and mailing of letters
- One (1) Electronic copy of public comment report
- Two (2) Hard copies and two (2) electronic copies of Final EA to GWA and NPS each.
- One (1) Electronic copy of Administrative Record.

Total Task 8.1a Additional Fee: $15,100 (Excluding GRT)

Total Task 8.1b Additional Fee: $23,080 (Excluding GRT)

Total Task 8.1c Additional Fee: $49,355 (Excluding GRT)

Total Task 8.1d Additional Fee: $29,755 (Excluding GRT)

Total Task 8.1e Additional Fee: $29,955 (Excluding GRT)

Subtask 8.2 – Clean Water Act 404 Permitting

- United State Army Corps of Engineers (USACE) has made a preliminary determination that the existing site is part of the Waters of the Territory and under USACE jurisdiction, however, there are no anticipated activities that will be placing fill or dredged material within the Waters of the Territory. Because of this, no Individual Permit or Nationwide Permit Applications are required.

- HDR proposes to prepare a letter to USACE outlining the basis for why no CWA Section 404 permit is required and requesting that USACE provide GWA a "No permit required" letter in response. This letter will involve listing out in detail the individual construction activities that will occur on the site.

- This task also includes additional coordination, as required, with USACE.

Deliverable: One (1) hard copy and one (1) electronic copy of the letter.

Total Task 8.2 Additional Fee: $2,850 (Excluding GRT)

Subtask 8.3 – Bureau of Statistics and Plans – Guam Coastal Management Program - Federal Consistency Permit

In compliance with the Coastal Zone Management Act, any project that affects any land use, water use or natural resource of the coastal zone must comply with the Guam Costal Management Program. HDR will assist GWA and/or the Federal agency responsible for the submission by providing the supporting documentation and coordination, as needed.

Total Task 8.3 Additional Fee: $9,280 (Excluding GRT)

Subtask 8.4 – Federal Biological Resources Investigation and Biological Assessment

Because of the newly listed endangered species that became effective on November 1, 2015 and the letter received by GWA on October 12, 2018, from the United States Fish and Wildlife Service (USFWS), HDR is proposing a biological resources site visit and investigation to determine the presence of any endangered species on the site or the habitat to support the endangered species.

It is highly anticipated that the endangered Partula radiolata (Guam tree snail) will be found within the affected area of the site, therefore it is anticipated that a translocation will be

required. This work has also been included within this scope, along with anticipated monitoring requirements. Final requirements will have to be determined after consultation with USFWS.

This task would include performing the following:

Subtask 8.4a – Federal Biological Resources Site Visit & Investigation

- Pre-Construction Federally Listed Snail Survey and Report – A pre-construction survey will be conducted by a USFWS approved biologist to identify if any federally listed snails are found within the project area as shown on Exhibit 1 included in this proposal. It is estimated that the fieldwork can be conducted within three (3) days. It is anticipated that USFWS will require this work to be conducted during the wet season of the year.

Subtask 8.4b – Federal Biological Resources Mapping and Biological Assessment

- Findings will be presented in a biological assessment with appropriate mapping indicating locations of any findings of federally listed species. The biological assessment will also analyze the potential impacts to any federally listed species that have the potential to occur in the project area.

  Deliverable: One (1) hard copy and one (1) electronic copy of the biological assessment.

Subtask 8.4c - Federally Listed Snail Translocation

- Should federally listed snails be identified within the project area, a snail translocation will be performed in coordination with the USFWS to a location approved by USFWS. The translocation assumes that no more than two (2) separate day visits will be required to locations where snails had been recorded in the project area to perform translocation and assumes that three (3) separate day visits with negative finds will be required to satisfy USFWS that all snails have been translocated. Additionally, the translocation assumes that no more than 50 listed snails are located within the project area to be relocated. It is anticipated that USFWS will require this work to be conducted during the wet season of the year.

Subtask 8.4d - Federally Listed Snail Translocation Monitoring and Final Report

- A one (1) year, bi-weekly monitoring will be conducted for snails that were translocated under Task 8.4c. A final report summarizing the results of the translocation and monitoring efforts, data sheets and geospatial data will be developed.

Deliverable: One (1) hard copy and one (1) electronic copy of the field report.

Total Task 8.4a Additional Fee: $17,640 (Excluding GRT)

Total Task 8.4b Additional Fee: $21,830 (Excluding GRT)

Total Task 8.4c Additional Fee: $28,670 (Excluding GRT), as applicable

Total Task 8.4d Additional Fee: $49,060 (Excluding GRT), as applicable

Exclusions/Assumptions:

- An EA is the appropriate level of NEPA documentation.
- NPS will be the lead federal agency.
- Only the Proposed Action and No Action Alternative will be assessed in full.
- Visual simulations will not be required as part of the scope.
- No public meetings are anticipated to be required, therefore they have been excluded from this scope.
- No cultural resource surveys are included in this scope.
- No US Archaeological Resources Protection Act (ARPA) permits are included in this scope to be prepared.
- No other environmental permits are included in this scope to be prepared.

Schedule

It is proposed that services for Task 8.1a to 8.4b will be performed over a time period not to exceed six (6) months from the receipt of this change order. Services for Task 8.4c and 8.4d are dependent on the requirements of USFWS, but are not expected to exceed twelve (12) months of monitoring with an additional one (1) month for preparation of the final monitoring report.

Compensation

It is proposed that services for Task 5 and Task 8.3a be performed on a lump sum basis and all other tasks be performed on a time and materials basis.

The table below summarizes the total change order fee for the services as outlined in Task 5 and new Tasks 8.1a through 8.4d. Since Tasks 8.4c & 8.4d are dependent on the outcome of Task 8.4a, these have been listed separately as optional additional fees as shown in the table below. All fees listed in the table are inclusive of GRT.

Total Contracted Fee ***(Inclusive of Change Order #1)***	**$410,069**
Total Change Order Fee (Task 5 & 8.4a)	$105,412
Total Change Order Fee (Task 8.1a - 8.1e, 8.2, 8.3 & 8.4b)	$196,213
Total Change Order Fee (Task 8.4c) (Optional)	$29,865
Total Change Order Fee (Task 8.4d) (Optional)	$51,104
Subtotal of Change Order #2	**$382,595**
Total Revised HDR Fee	**$792,664**

A summary of the change order fee in the requested GWA format is attached to this letter.

Sincerely,
HDR Engineering, Inc.

Clifford P. Lum, P.E.
Water Business Group Manager

Design Services for Asan Springs Water Treatment Facility
GWA Project No. W11-003-BND
Change Order #2
Lump Sum Fee Worksheet

		HDR														
Task Number	Task Description	Principal Engineer	Project Manager	QA/QC	Senior Water Process Engineer	Senior Engineer - Structural	Senior Engineer - Electrical	Project Engineer	Senior Biologist	Biologist	GIS Analyst	Technical Editor	CAD	Accounting	Clerical	Sum Total
	Hourly Labor Rates/Unit Prices	$255	$195	$255	$255	$205	$205	$145	$165	$125	$125	$100	$140	$115	$75	
5.0	**Detailed Design**															
5.27	Additional Drawings	0	24	14	16	16	92	65	0	0	0	0	230	0	0	$76,095
5.28	Additional Specifications	0	4	4	8	4	8	8	0	0	0	0	0	0	0	$7,460
	SUBTOTAL	0	28	18	24	20	100	73	0	0	0	0	230	0	0	**$83,555**
8.0	**Environmental Services**															
8.4a	Federally Listed Biological Resources Investigation - Fieldwork	0	0	0	0	0	0	0	50	24	8	0	0	8	0	$13,170
	SUBTOTAL	0	0	0	0	0	0	0	50	24	8	0	0	8	0	**$13,170**

Airfare	$2,500
Hotel/Rental Car	$1,500
Per Diem	$350
Mileage Reimbursement	$0
Printing, Scanning and Binding	$0
Field Supplies, Misc.	$120

HDR SUBTOTAL (Tasks 1-8)	**$101,195**
Total Subcontractor Subtotal	$0
Subconsultant Markup (10%)	$0
Total Subtotal Fee (Task 1-8)	$101,195
GUAM GRT TAX (4.167%)	$4,217
TOTAL LUMP SUM FEE (Task 1-8)	**$105,412**

Last Updated: 1/31/2019

		HDR																		Subconsultants	
																				Search	
Task Number	Task Description	Principal Engineer	Project Manager	Technical Advisor - QA/QC	Senior Water Process Engineer	Senior Engineer - Structural	Senior Engineer - Electrical	Environmental Scientist	Project Engineer	NEPA Project Manager	Senior NEPA Specialist	NEPA Analyst	Senior Biologist	Biologist	GIS Analyst	Technical Editor	CAD	Accounting	Clerical		Sum Total
	Hourly Labor Rates/Unit Prices	$255	$195	$255	$255	$205	$205	$125	$145	$195	$170	$125	$165	$125	$125	$110	$140	$115	$75	-	
8.0	**Environmental Services**																				
8.1a	NEPA Planning, Agency Coordination	0	24	0	0	0	0	0	0	40	10	0	0	0	0	0	0	8	0		$15,100
8.1b	NEPA Kickoff and Scoping	0	10	0	0	0	0	0	0	40	20	40	0	0	30	0	0	0	8		$22,500
8.1c	NEPA Preliminary Draft EA	0	2	16	0	0	0	0	0	80	40	60	60	0	40	24	0	0	0		$51,910
8.1d	NEPA Draft EA	0	2	0	0	0	0	0	0	40	40	40	40	0	20	20	0	0	0		$31,290
8.1e	NEPA Final EA	0	2	16	0	0	0	0	0	40	40	40	20	0	20	20	0	0	0		$32,070
8.2	CWA 404 Agency Letter	0	8	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0		$2,850
8.3	CZMA Support	0	4	0	0	0	0	0	0	10	0	0	30	0	8	6	0	0	0		$9,340
8.4b	Federally Listed Biological Resources Investigation - Biological Assessment	0	24	0	0	0	0	8	0	0	0	0	60	32	12	6	0	0	0		$21,740
8.4c	Federally Listed Snail Translocation	0	8	0	0	0	0	0	0	0	0	0	72	56	12	0	0	16	0		$23,780
8.4d	Federally Listed Snail Monitoring and Report	0	48	2	0	0	0	0	0	0	0	0	26	240	36	0	0	0	0		$48,660
	SUBTOTAL	0	132	36	0	0	0	8	0	254	150	180	308	328	178	76	0	24	8	$0	**$259,240**

Airfare	$2,500
Hotel/Rental Car	$1,800
Per Diem	$490
ileage Reimbursemer	$300
ing, Scanning and Bin	$605
Mailing, Newspaper Ads, Misc.	$1,160

HDR SUBTOTAL	**$266,095**
Total Subcontractor Subtotal	$0
Subconsultant Markup (10%)	$0
Total Subtotal Fee	$266,095
GUAM GRT TAX (4.167%)	$11,088
TOTAL TIME AND MATERIALS FEE	$277,183
TOTAL LUMP SUM FEE (FROM PAGE 2)	$105,412
GRAND TOTAL FEE	**$382,595**

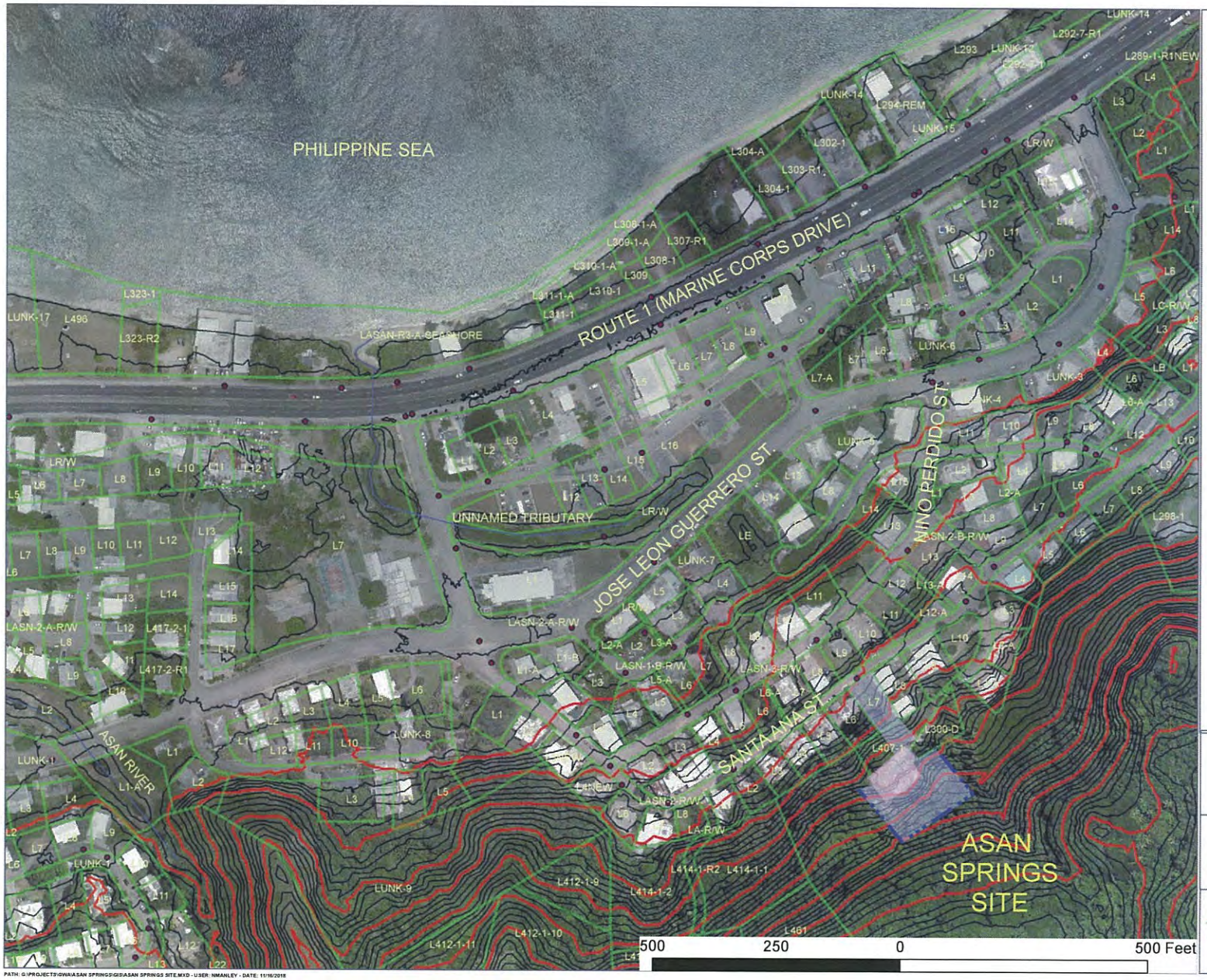
Category	Assigned Hourly Rate
Principal Engineer	$255
Technical Advisor/QAQC	$255
Project Manager	$195
Senior Water Process Engineer	$255
Senior Engineer (Structural/Electrical)	$205
NEPA Project Manager	$195
Senior NEPA Specialist	$170
NEPA Analyst	$125
Environmental Scientist	$125
Senior Biologist	$165
Mechanical Engineer (Coffman)	$155
Electrical Engineer (Coffman)	$155
Project Engineer	$145
NEPA Analyst	$140
Biologist	$140
CAD Designer	$140
GIS Analyst	$125
Archaeological Monitor (SEARCH)	$125
Technical Editor	$100
Accounting	$110
Administration	$75

Reimbursable Expenses:

Printing	
22"x34" Large Format Print	$1/sheet
Scanning	
22"x34" Large Format Scan	$1/sheet
Report Binding	
8.5"x11" Report Size	Actual rate of binding for each report deliverable
Mileage	Reimbursed at the effective IRS allowable rate (Currently $0.58/mile)
Airfare	Reimbursed at actual cost (Estimated at $2500 round trip)
Hotel	Reimbursed at actual cost (Estimated at $200/night)
Car	Reimbursed at actual rental cost + fuel cost (Estimated at $100/day)
Per Diem	$70/day (Includes travel days)
Newspaper Ads	Actual rate of advertisement for each printed newspaper

Compensation for services shall be at the hourly billing rates identified in the schedule above. If additional labor categories are used on the project, they and their billing rates will be submitted to GWA for approval. Billing rates are subject to annual adjustments for changes in salary. In addition to compensation for labor, the CONSULTANT shall be reimbursed for subcontractor costs and other direct costs associated with the project.

1. Subconsultants are charged at cost plus ten percent (10%).
1. The Guam Revenue Tax (GRT) in effect at the time of billing will be applied to each monthly invoice total for work.



Legend

- Asan Springs Waterways
- NPS Lease Area
- Asan Springs Site Area
- Asan Springs Biological Survey Area
- Land Parcels
- Contour
- Index Contour

ASAN SPRINGS REHABILITATION

SITE LOCATION MAP

GUAM WATERWORKS AUTHORITY

HDR

FIGURE 1

PATH: G:\PROJECTS\GWA\ASAN SPRINGS\GIS\ASAN SPRINGS SITE.MXD - USER: NMANLEY - DATE: 11/16/2018

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

GWA RESOLUTION NO. 27-FY2019

RELATIVE TO THE RE-EVALUATION AND IMPLEMENTATION OF THE REVISED GUAM WATERWORKS AUTHORITY (GWA) DRUG AND ALOCOHOL-FREE WORKPLACE POLICY

WHEREAS, under 12 G.C.A. §. 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, it is the policy of the Guam Waterworks Authority to provide a safe, healthy and secure work environment for all employees. It is also the policy of GWA to ensure that all employees perform their job duties in a safe, efficient and productive manner; and

WHEREAS, the GPWA Drug and Alcohol-Free Workplace Policy was approved by the CCU on 26 September 2017 for implementation on 01 October 2017. On 10 October 2017, GWA Legal Counsel received Attorney General's Opinion Memorandum, dated 06 October 2017 stated, random drug testing for *all government of Guam employees* without regard to the nature of the employee's duties and specific violation intended to be addressed will offend constitutional protections against warrantless searches; and

WHEREAS, GWA Management conducted research and found that a supporting opinion of the Authority's Legal Counsel is sufficient in determining inclusion of safety-sensitive positions to its current list of Testing Designated Position(s) (TDP). This guidance is stated on the Substance Abuse and Mental Health Services Administration's (SAMHSA) 2013 Guide for Selection of TDPs, dated 06 May 2013; and

WHEREAS, GWA Legal Counsel has reviewed and updated the list of safety-sensitive TDP to be used for determining which employees are subject to random drug testing. The list includes 110 different positions comprised of 287 employees or approximately 77% of the current GWA workforce; and

WHEREAS, the 35th Guam Legislature passed Bill No. 32-35, also known as the Guam Cannabis Industry Act of 2019, relative to the use, production and law enforcement of recreational marijuana, and to legalize the use, production and sale of cannabis by creating a regulated industry. The GWA revised policy maintains the drug testing on its prohibited list of substances, including Marijuana/Cannabinoids (THC), consistent with the Drug-Free Workplace Act of 1988. On April 4, 2019, the Guam Cannabis Industry Act of 2019 was enacted into law, therefore legalizing the possession of, growing, using and purchasing cannabis infused products. GWA still prohibits the use of cannabis by employees in the Drug and Alcohol-Free Workplace Policy; and

WHEREAS, Title 9 GCA, Chapter 67 Guam Controlled Substance Act, Article 1, Definitions (t) lists and defines Marijuana as a controlled substance; and

WHEREAS, since it is now a Public Law, it is GPWA's request to move forward and implement its Revised GWA Drug and Alcohol-Free Workplace Policy and to authorize the legal counsel through documented support to add, delete and/or revise its TDP list as necessary, to effectively implement its Drug and Alcohol-Free Workplace Policy. Therefore, GWA further requests for the CCU's support and approval to transition on its own (away from the DOA process) to seek drug testing, laboratory and medical review officer services to effectively implement the GWA Drug and Alcohol-Free Workplace Policy; and

WHEREAS, the estimated annual cost to implement the GWA Drug and Alcohol-Free Workplace Policy for the GWA is Thirty-One Thousand Dollars ($31,000.00).

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

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The GWA's request to move forward and implement its Revised GWA Drug and Alcohol-Free Workplace Policy and to authorize the legal counsel through documented support to add, delete and/or revise its TDP list as necessary, to effectively implement its Drug and Alcohol-Free Workplace Policy is hereby approved.
3. GWA is further authorized and approved to transition on its own (away from the DOA process) to seek drug testing, laboratory and medical review officer services to effectively implement the GWA Drug and Alcohol-Free Workplace Policy.
4. The Drug and Alcohol-Free Workplace full implementation will take effect 01 October 2019.
5. This policy shall be effective for the Guam Waterworks Authority.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of April, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the 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: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0



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

RESOLUTION NO. 2019-05

RELATIVE TO INCREASING GPA'S RENEWABLE PORTFOLIO STANDARD (RPS) TO 50% BY 2035

WHEREAS, Guam Public Law 29-62 established Guam's Renewable Portfolio Standard (RPS) with the ultimate RPS goal of 25% of GPA net sales to come from renewable energy by 2035; and,

WHEREAS, GPA will attain and surpass this RPS goal by 2021; and,

WHEREAS, GPA has completed its Renewable Integration Study supporting the technical feasibility of integrating 50% of renewable energy into GPA's grid once the recommended infrastructure projects are completed; and,

WHEREAS, GPA has begun developing its implementation plan and Phase IV Renewable Energy Acquisition multi-step bid procurement documents; and,

WHEREAS, GPA intends to seek the approvals of the Consolidated Commission on Utilities (CCU) and the Guam Public Utilities Commission (PUC) in 2019 to pursue additional renewables which may be as much as 200 MW; and,

WHEREAS, Bill No. 80-35 (COR) sponsored by Senators Amanda Shelton and Clynt Ridgell seeks to increase the Guam RPS from 25% to 50% of GPA net electricity sales by 2035; and,

WHEREAS, GPA has recommended a move to 50% renewables in internal and publicly held meetings; and,

WHEREAS, GPA management recommends supporting Bill No. 80-35 (COR).

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

1. The CCU supports the intent of Bill No. 80-35 (COR) to set the RPS at 50% by 2035.

2. The General Manager is directed to continue to work expeditiously to provide CCU the infrastructure upgrades necessary and the renewable projects it recommends would attain 50% renewables.

3. The General Manager is authorized to support Bill No. 80-35 (COR).

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

DULY and REGULARY ADOPTED this 25th day of APRIL 2019.

Certified by:	**Attested by:**
JOSEPH T. DUENAS	**MICHAEL T. LIMTIACO**
CHAIRMAN	**SECRETARY**

SECRETARY'S CERTIFICATE

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

Ayes: 5

Nays: 0

Absent: 0

Abstain: 0

