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Messages and Communications

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Mon, Apr 2, 2018 at 4:09 PM

CCU MTG MC 1707.pdf

Hafa adai Clerk's: Attached is the consolidated CCU Meeting packet for CCU Meeting of 3/27/18 and CCU Meeting Minutes & GPA/GWA Resolutions ratified at the CCU Meeting of 3/27/18 Please note that the audio file from the CCU Meeting is attached.

04/02/18	04/02/18	Consolidate Commission on Utilities	CCU Minutes for Tuesday March 27, 2018.*	34-18-1707

CCU 3.27.18.MP3

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OFFICE OF SPEAKER BENJAMIN J.F. CRUZ

Committee on Appropriations and Adjudication

I Mina'trentai Kuattro na Liheslaturan Guåhan

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GL# 34-18-170

Speaker Benjamin J.F. Cruz

APR 02 2018

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1707

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 27, 2018

MINUTES

CALL TO ORDER

The Chairman called the CCU regular meeting of February 27, 2018 to order at 5:30 p.m. He said (4) Commissioners are present, Comm. Santos is running late and that there was a quorum. The Chairman said the Agenda will be modified and GPA will go first because GM Benavente has to be at another event.

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis Santos	CCU Vice Chairman
George Bamba	CCU Secretary
Judith P. Guthertz	CCU Treasurer
Simon A. Sanchez	CCU Member

Executive Mgmt.:

John Benavente	GM / GPA
Thomas Cruz	GM (A) / GWA
Melinda Mafnas	GM (A) / GPA
John Cruz	AGMET / GPA
Tricee Limtiaco	AGMA / GPA
John Kim	CFO / GPA
Greg Cruz	CFO / GWA
Graham Botha	Staff Attorney / GPA
Kelly Clark	Staff Attorney / GWA

Management & Staff:

Paul Kemp	AGM Compliance&Safety / GWA
Zina Charfaurous	Personnel Admin / GWA
Vincent Pangelinan	GWA
Dave Fletcher	Waste Water Operations / GWA
Ron Topasna	GWA
Vangie Lujan	Compliance & Safety / GWA
Patti Diego	PIO / GPA
Heidi Ballendorf	PIO / GWA

Doc. No. 34GL-18-1707.*

Joyce Sayama	Mgmt. Analyst / GPA Ex. Office
Ann Borja	Mgmt. Analyst / GWA Ex. Office
Lou Sablan	Board Secretary / CCU

Guest:

Bill Gilman	Brown & Caldwell
Annmarie Muna	AM Insurance
Angela Perez	AM Insurance
Michael White	CDM Smith
Andrew Park	PEC

APPROVAL OF MINUTES

Minutes of January 23, 2018 was presented for approval. Comm. Bamba motioned to approve the Minutes and second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

COMMUNICATIONS

Public Comments (2-minutes per person)

There was no public comment

NEW BUSINESS

GWA

GM REPORT UPDATE

GM Bordallo gave his usual GM Report Update to include graphs and charts not included here.

Operational Issues

- 28 additional trades helpers started work this month:
  - Production – 9
  - Distribution – 8
  - WW Collection – 10
  - WW Treatment - 1
- GWA Employees continue to apply for and take computer-based certification testing conducted as a joint effort between GEPA, GWA, UOG and the Western Pacific Subsection of AWWA. So far, over 40 individuals have participated in the certification testing at various certification levels, with 10 receiving passing scores.

- Deployment of new light and medium duty fleet this month

Production & Distribution

- Leak repair
  - backlog has been significantly cleared; less than 60 pending repairs
  - pending IFB for leak repair services
  - pending for advanced remote leak detection services pending
- General Counsel working on letter to chlorine supply vendor regarding maintenance of minimum inventory levels per our contract.
- Ugum WTP – assessment of existing SCADA system completed; report and recommendations pending.
- GAC Treatment Systems for wells affected by PFOS
  - NAS-1
    - Permanent modifications to NAS-1 GAC Treatment System pending – confirmed for summer break;
    - Replacement Carbon being ordered
  - A-23/A-25:
    - existing GAC canisters for re-use have been isolated from the system and are being cleaned;
    - GWA evaluating potential to re-program DOI grant funding to expedite this work.
  - GIAA System: GIAA advised to provide replacement GAC
- 2018 Pump/Motor order – released on February 16, 2018
- GWA Crane Repair –parts have arrived, installation completed but error codes persist; vendor consulting manufacturers technician.

Wastewater Collection & Treatment

- CCTV:
  - Crews completed approximately 3 miles in January; work schedule impacted by smoke testing and inspections for I&I affecting Barrigada/Mangilao area, and maintenance of critical lines serving Route 16 SPS
  - Planning and Ops have initiated conversion of older (2012) CCTV data for compatibility with current condition assessment protocols
- Pump station facility maintenance efforts to begin shortly
- FOG Program
  - Comments received from US EPA, Program Manual being finalized
  - 2nd Residential Collection Program being coordinated for Central service area
- Agana WWTP outfall pump repairs being prioritized

- Northern District WWTP drying beds and digesters being cleared to facilitate design work for plant upgrade

Marbo (Andy-South) Wells – Status

- Governor's Counsel provided recommended modifications to re-conveyance document to GSA
- GSA has not accepted the proposed changes
- GWA waiting for feedback from GSA

One Guam Update

- Tumon Maui Well:
  - GWA's Consultant B& C are working to develop a plan to address the Leaks from the vent shaft. GWA will determine the course of action to remedy the problem.
- Santa Rosa Tank:
  - MOU for Santa Rosa Tank – in progress. Changes are being made to the location of the valves.
  - B&C did a presentation on the modelling results on the appropriate levels for the tanks to ensure that neither party will be negatively impacted.
- Agat Santa Rita WWTP:
  - For the in-kind, Cynthia Blas is waiting on the final the response from NBG PWD on the easement will be transferred to GWA. The letter will be finalized on 2/16/18.
  - The DOD's Real Estate office determined that the value of the easement is $16,700. The in-kind contribution needs to match that amount.
- Distribution Systems:
  - GWA continues to work with DOD to resolve wastewater line issues in the Leon Guerrero area.
- DOD determined that they will not be able to connect to the new sewer line. However, they are interested in looking at future projects for further collaboration.

OEA Grant Summary

- NDWWTP Upgrades
  - Technical memoranda / design workshops for solids processes expected in March
  - USEPA NEPA Document preparation on-going; 30% Design Submittal is next major milestone
- Outfall Diffuser:
  - IFB has been issued (1/16/18);
  - Pre-bid meeting 1/26/18;
  - Bids due 2/23/18 (extended)
- Sewer Line Interceptor Design-Build
  - Multi-Step IFB has been issued.
  - Technical Proposal Due 3/8/18
  - Price Proposal Due 4/12/18
- NGLA Observation wells – Design work on-going

NRW – Update

- Water Audit update on-going
    - Production rates are being reviewed for accuracy and refined
    - Unmetered, Authorized uses are being quantified
    - Meter and billing inaccuracies are being reviewed and refined

FINANCIAL UPDATE – Not discussed

Resolution 17-FY2018 Change Order No. 4 for the Agat-Santa Rita WWTP Upgrade Construction Management Contract

The objective of the Change Order is to continue construction management services at the Agat Santa Rita WWTP construction project until such time the contractor has completed all required work. GWA has executed an extension to the contractor's contract completion date to March 2018, and has adjusted the CM's contract accordingly. The contractor, Sumitomo Mitsui Construction Corp (SMCC), recently presented a proposed construction schedule that extends the current contract completion date. GWA is currently assessing the contractual implications of the Contractor's failure to meet the current construction schedule that notwithstanding, CM services will be required on the project until all work is completed. The completion of the construction work is the responsibility of SMCC however, GWA must ensure that CM services also continues, and thus the resolution before the CCU is to approve a Change Order that will extend the required CM services possibly to July or August of 2018 and will necessarily increase the authorized CM contract amount.

The Change order would also cover work related to construction activities associated with the installation of the 21-inch diameter gravity sewer line on the A-SR WWTP site that is part of the Baza Gardens Pumping and Conveyance project but which is not currently contracted out for installation.

GWA management seeks CCU approval of Change Order No. 4 with GHD, Inc. in an amount not-to-exceed Eight Hundred Eighty-Two Thousand Six Hundred Thirty-One Dollars ($882,631.00). The change order will be negotiated to an appropriate amount and expended on a Time and Materials basis.

The anticipated completion of the construction activities by the contractor is May 2018 however the Change Order covers additional services up unto August 2018.

Funding for the Change Order will be from the bond funds under the line item - WW 11-08 "Agat/ Sta Rita STP Replacement" and/or funds derived from Liquidated Damages assessed the Contractor and will be applied to pay CM services.

Comm. Sanchez motioned to approve Resolution 17-FY2018 and was second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

Resolution 18-FY2018 2010 Bond Proceeds Reallocation

The objective of the resolution is to give GWA management the authority to reallocate unspent or unused monies from completed CIP projects funded by the 2010 bond proceeds (such as unused contingencies, or negotiated cost savings) to other CIP line items that are on-going and for which there exists a current and greater need for funding, thereby improving management's ability to encumber the fund balance.

The on-going CIP line items that would have unobligated 2010 Bond proceeds reallocated to them are PW 05-07 "Meter Replacement Program", PW 05-12 "Brigade II (Ugum Lift) BPS Upgrade", PW 05-15 "Rehabilitation of Asan Springs", PW 09-09 "Water "Reservoir Internal/External" and WW 11-03 "Baza Gardens STP Replacement".

The bond proceeds that will be affected by the reallocation is Eight Hundred Eighty-Six Thousand Four Hundred Thirty-One Dollars ($886,431.00)

The goal of reallocating the 2010 bond proceeds is to encumber all bond proceeds by December 2018.

Comm. Guthertz motioned to approve Resolution 18-FY2018; Second by Comm. Bamba. There was no further discussion or objection and the motion passed.

Resolution 19-FY2018 Contract for the NDWWTP Outfall Effluent Diffuser Installation Project

This resolution was tabled.

GPA

GM REPORT UPDATE

GM Benavente gave brief highlights to his GM report which included various graphs and charts not included here.

Generation System Update: The following summarizes the expected generation capacity situation for March 2018. The peak demand for March is estimated at 248 MW. GPA plans to do chemical cleaning of both Cabras 1 & 2 steam units in March thru early April. The cleaning is necessary in order to improve plant availability and reliability.

March 2018 Capacity Available:	**332 MW**
March 2018 Projected Demand	**248 MW**
Available Reserve Margin	**84 M**

Re Net Metering customers the past year is about 250- about 20 per month. The first 18 months was about 1100 customers. He said he would provide Comm. Sanchez his requested report at the next meeting

ACTION: Net Metering report requested by Comm. Sanchez (Due Date: 03/26/2018)

Renewable Energy Production Summary Thru January 2018:

Energy Renewable production averted $15M in fuel cost.

Comm.Bamba commented on net metering based on a couple of constituent calls about his opinion re solar companies. They offered her solar system for $49k and they are only charging her $15 per month. He recommended that GPA implement something an outreach perhaps on the website that helps to explain the renewable program currently being offered, how it works and the impact to ratepayers / customers so when approached by independent renewable solar companies, they can make an informed decision. Comm. Guthertz said there a real need in the community for a consumer person to focus on these types of inquiries. There is no formal mechanism in place to respond to people's inquiries and management should look into this as part of our mission.

ACTION: GPA to implement outreach program to help consumers understand the current solar system programs in the market place (No due date mentioned)

Phase II Renewables: The PUC is expected to deliberate the approval of the KEPCO-LG 60 MW Power Purchase Agreement at its February 22nd Meeting. The HANWHA 60 MW PPA contract is before the CCU for approval this month. If CCU approves, the PUC may approve the project in their March 2018 meeting.

Phase III Renewables Bid: The bid has been issued. The bid request is for about 40MW of solar PV renewables to be constructed on Navy leased land. The energy produced would be stored in batteries during the day and released at nighttime to meet peak time load. The bid price opening date for acceptable proposals is set for April 17, 2018.

PUC Agenda :

- **GPA Docket 18-06, Petition to Approve Phase II Renewable Award to KEPCO-LG CNS Consortium**
- **GPA Docket 18-07, Petition to Approve Piti Substation GIS Maintenance Award to AYM International**
- **Both were passed and approved by PUC on February 22, 2018**

New Power Plant Procurement:

- The rezoning effort for the land for the new power plant continues. Senator Ada held a public hearing on Bill-223-34 on February 9th. He has noted he will introduce the bill to be deliberated in the Legislature's February session.
-

Employees Briefings: We conducted employee briefings on February 19th and 20th. Twice a year we update our employees/team on the progress of the utility and where we are heading.

Key Performance Indicators: The following pages provide updated information thru January 2018.

FINANCIAL UPDATE

CFO Kim gave a brief overview of finances for period Dec. 31, 2017. Revenue budget was 13.6k and actuals were 13.9k; KWh sales budget was 133.6k and actual was 138.5k; fuel cost is budgeted at 20.5 and actual is 16k; all customer categories - residential, commercial, government, streetlights and navy trends upward for 1Q2018; O&M budget is 6.4k and actual spend was 4.7k; debt service coverage is 2.19 and LEAC under recovery is $16.8M

Resolution 2018-02 Bond Refinancing Utilization

Guam Power Authority's (GPA) Bond Refinancing Program will result in a 2018 to 2021 cumulative debt service reduction of $1,639,189 and as per Guam PL 34-69, Section 2(h), GPA must notify I Liheslatura within sixty (60) days of refinancing of its intent and plan regarding the savings achieved from refinancing. Savings beginning 2022 will be utilized to offset the annual debt service cost of the new 180 MW power plant.

GPA desires to reserve part of the savings (from 2018-2021) for the benefit of the community by assisting the Guam Department of Education (GDOE) with its energy goals. The seed funding for the BEST Program is estimated at $500,000. GPA proposes to use the Bond Refinancing Program savings towards replenishing GPA's DSM rebate program funding and developing and executing GPA's proposed DSM program: *Bringing Energy Savings to (BEST) Schools Program.* The BEST Schools Program goals include:

- Supporting GDOE to achieve their legislative mandate to deploy and utilize renewable energy systems;
- Incentivizing GDOE to reduce their energy use and expenditures;
- Modernizing GDOE facilities infrastructure and extending GDOE equipment life with enhanced, proactive maintenance;
- Partnering up with GDOE under the UESC Program to execute the above;
- Ensuring GDOE continues to contribute to the O&M and capital investments for the GPA Power System.

Additionally, GPA will use the remainder of the Bond Refinancing Program savings of $1,139,189 towards replenishing GPA's Demand-Side Management (DSM) Rebate Program.

Average Annual Cash Savings: $501,236.00 (Strategic Investments Option

GM reported calculated savings of 2018 to 2021 bond refinancing is 1.639M gross. Plan is to use the $500K per year savings beyond 2021 to offset the debt service of the new power plant. Mgmt. has to report to Legislature / PUC the plan for utilization. Mgmt. proposes to 1) replenish the DSM program and 2) invest into the GDOE school system to bring energy savings to the schools. It involves to incentivize them to reduce energy consumption, modernize their infrastructure and partner with DOE under USEC program. GPA would conduct analysis of all the school, determine the potential energy efficiency upgrades, how much solar pv can be accommodated per school and determine current inventory status. In addition fund make one school a pilot as a model to help get federal grants/ public-private partnership. and have to report back to the legislature what management plans to do with these savings. One idea is to replenish the DSM program and the other is related to assisting DOE for renewable initiates and upgrades. GPA will conduct analysis of all the schools, determine what the current needs are beginning with using one of schools as model. Plan is to utilize $500k savings to do the analysis to identify and create a pilot and work with them long term.

Comm.Sanchez motioned to approve resolution; Comm. Bamba seconded.

Comm. Sanchez how management determined how to implement this program, what are we paying for and is it going to be outsourced or done in house. GM responded he would work with Siemans to help with the analysis. They have been working with the Navy and are currently employed by GPA already and will expand their scope of work. Will $500 achieve all these plans; GM said there's more than enough money to achieve these plans.

Comm. Sanchez recommended to amend line 38 after word of add words "up to" 500k to implement best schools program and any savings balance will go toward the DSM program; Second by Comm. Bamba.

Comm. Sanchez would like more detail on the program

ACTION: Comm. Simon wants a better understanding of management's plan re DOE - wants more detail (Assignee: John Benavente; Due Date: 03/26/2018)

There was discussion about the GM authority to transfer? The GM said that this request is just for this particular fund.

Comm. Guthertz asked if Doe entered into any agreement for solar panels; GM said there's one that GPA reviewed and it is compliant with the law but understanding is it is still at the AG's office. There is 1 bid that GPA helped to reshape but not sure what the final deal is. Comm. Bamba said that the deal that is stuck at the AG's is a higher kwh hour than one that GPA can offer as a utility and he is concerned that DOE will be tied into a higher renewable cost. The point he is making is if GPA does the pilot program and can offer 8.5 cents it is a big savings for doe.

Comm. Sanchez said he does not want to move forward with a $500k study that does not go anywhere. Even with the pilot project is GPA's ratepayer going to front the cost.

Comm. Duenas validated what GM mentioned he would do a study of all the schools - to use one school as model, to upgrade to energy efficient equipment and to come back to CCU with details. He mentioned he is In favor of resolution.

Comm. Santos said that the CCU is beating up a promise made to the senators; DOE pays $12M for power and they cannot afford it.

Comm. Sanchez said the motion is to approve this resolution. His question is what is the rule of engagement when we do this.

GM Benavente -confirmed he is dealing with the superintendent. GM said he will provide the scope of work when done to the Commission further explained his plan - to get the analysis done see the potential. Work with the superintendent as resident engineer to obtain grants or bring in private-public partnership. Will get back to the Commission after more thought

There was more discussion on the 1st amendment and new amendment stated is on Line 38-39 program savings of $1,639,189 shall be used to provide up to $500,000 to implement the BEST Schools Program and any balance remaining thereafter shall be transferred to the GPA DSM Rebate Program; Seconded by Comm. Bamba.

Comm. Sanchez wanted clarification that the GM is appending a summary of scope of work, that none of us have seen and CCU is approving GM to spend $500k of it. This is not usual.

Chairman said he wants to reiterate for the record we have a reso that we are thinking of adopting, GM will give CCU supplemental information. CCU giving authority to spend up to $500k and balance to replenish DSM and GM will come back to CCU with full scope of work for further guidance.

Benavente - already have to scope of work and wants CCU authority so he can proceed to complete this within the month; scope of work will be appended to the amended resolution.

Duenas - that proposes a problem because CCU is approving something that is not before the Commission. We can table this until you give the scope of work to CCU

Comm. Sanchez said we can approve he mix of the spend so we can tell the legislature the intent - DSM and trying to help DOE This is the rare occasion that we don't have the scope in front of us in order to move this forward we could

Comm. Duenas said the resolution gives the GM spending authority now and what we need to see is the detail which can be given to the Commission later.

Comm. Santos brought up spending authority of 750k; Duenas said that the spending authority for items already budgeted; this is a new fund - received in savings due to the bonds.

Comm. Duenas mentioned what we are doing now is to satisfy the legislature

On the amendment - no further discussion - all in favor
On the main motion - resolution approved - all in favor. The motion passed.

Resolution 2018-04 Power Purchase Agreement Phase II Renewables - HANWHA

This is for the 2nd of 60MW of renewable energy. GPA intends to meet its 2008 IRP goals and comply with Public Law 29-62 which sets renewable goals under the Renewable Portfolio Standards (RPS) with the Phase II projects. In January 2017 GPA obtained the price bids for GPA Multi-Step Bid No: GPA- 070-16 for 60MW of Renewable

Energy Resource capacity with ESS for ramp control. Hanwha Energy Corporation is one of the two (2) lowest responsive bidders (KEPCO-LG CNS Mangilao Solar, LLC., is the other one) with having two proposals for 30MW solar PV projects totaling 60 MW of solar PV capacity with ESS for ramp control. GPA and Hanwha Energy Corporation have completed and agreed to commercial terms and conditions of the Power Purchase Agreements (PPA). GPA seeks approval to submit Hanwha Energy Corporation's PPA to the PUC for their approval.

The Hanwha Energy Corporation 2x30MW solar projects are located at Dandan, Inarajan and the agreement is for 25 years. The funding source will be LEAC

HANWHA ENERGY CORPORATION Price Proposals

Contract Year	Proposal 1			Proposal 2		
	Annual Price ($/MWH)	Guaranteed Net Annual Generation (MWH/YR)	MicroGrid Operations Fixed Annual Fee	Annual Price ($/MWH)	Guaranteed Net Annual Generation (MWH/YR)	MicroGrid Operations Fixed Annual Fee
1	$ 62.45	72,005.00	$ 1,287,082	$ 65.99	72,005.00	$ 1,287,082
2	$ 63.08	71,831.00	$ 1,264,710	$ 66.65	71,831.00	$ 1,264,710
3	$ 63.71	71,245.00	$ 1,244,969	$ 67.32	71,245.00	$ 1,244,969
4	$ 64.35	70,865.00	$ 1,225,229	$ 67.99	70,865.00	$ 1,225,229
5	$ 64.99	70,485.00	$ 1,206,804	$ 68.67	70,485.00	$ 1,206,804
6	$ 65.64	70,306.00	$ 1,188,380	$ 69.36	70,306.00	$ 1,188,380
7	$ 66.30	69,724.00	$ 1,171,271	$ 70.05	69,724.00	$ 1,171,271
8	$ 66.96	69,344.00	$ 1,155,479	$ 70.75	69,344.00	$ 1,155,479
9	$ 67.63	68,693.00	$ 1,139,686	$ 71.46	68,693.00	$ 1,139,686
10	$ 68.31	68,780.00	$ 1,123,894	$ 72.17	68,780.00	$ 1,123,894
11	$ 68.99	68,202.00	$ 1,108,101	$ 72.89	68,202.00	$ 1,108,101
12	$ 69.68	67,821.00	$ 1,093,625	$ 73.62	67,821.00	$ 1,093,625
13	$ 70.37	67,440.00	$ 1,079,149	$ 74.36	67,440.00	$ 1,079,149
14	$ 71.08	67,252.00	$ 1,064,672	$ 75.10	67,252.00	$ 1,064,672
15	$ 71.79	66,678.00	$ 1,051,512	$ 75.85	66,678.00	$ 1,051,512
16	$ 72.51	66,296.00	$ 1,038,352	$ 76.61	66,296.00	$ 1,038,352
17	$ 73.23	65,915.00	$ 1,025,191	$ 77.38	65,915.00	$ 1,025,191
18	$ 73.96	65,722.00	$ 1,012,031	$ 78.15	65,722.00	$ 1,012,031
19	$ 74.70	65,151.00	$ 998,871	$ 78.93	65,151.00	$ 998,871
20	$ 75.45	64,770.00	$ 987,026	$ 79.72	64,770.00	$ 987,026
21	$ 76.21	64,388.00	$ 975,182	$ 80.52	64,388.00	$ 975,182
22	$ 76.97	64,190.00	$ 963,338	$ 81.33	64,190.00	$ 963,338
23	$ 77.74	63,623.00	$ 951,493	$ 82.14	63,623.00	$ 951,493
24	$ 78.52	63,241.00	$ 939,649	$ 82.96	63,241.00	$ 939,649
25	$ 79.30	62,859.00	$ 927,805	$ 83.79	62,859.00	$ 927,805

Comm..Bamba motioned to approve Resolution 2018-04; Second by Comm. Guthertz

GM Benavente said tis project will come on line in 2020 as projected in road show this will start to levalize our fuel cost. Comm. Sanchez asked what is estimated cost of investment ? The GM responded almost a billion dollars of direct and indirect investment on island for renewables.

On the motion - all in favor and the motion passed.

Resolution 2018-05 Increase of Engineering, Procurement & Construction Mgmt. Contract

Stanley Consultants was contracted in March 2017 through GPA RFP-17-001 as the Engineering, Procurement and Construction Management (EPCM) Contractor for the New 120-180 MW Power Plant in March 2017. As the EPCM, Stanley is providing the technical and contractual support in the new IPP procurement development and will support procurement activities including contract negotiations. The increase in contract cost will cover services through September 2018.

The new power plant proposed siting is adjacent to the Harmon Substation. GPA is requesting a $650,000 increase for technical services to develop procurement documents and support procurement activities. Additional costs are for services through September 2018. The contract has a term of 5 years from March 2017 and will be funded with CIP funds.

For the record, Commissioners Sanchez and Bamba abstained from this matter,

Comm. Santos motioned to approve the resolution for discussion; Second by Comm. Guthertz.

There was discussion on all the parties involved in the contract, SCI, JK, Pon, EA and Rim and if they are licensed to do business on Guam. GM Benavente said these are subcontractors working with Stanley Consultants who is licensed but not sure re subcontractors.

There was no further discussion and the motion passed with 3 ayes and 2 abstentions.

OLD BUSINESS

ANNOUNCEMENTS

The Chairman announced that the next CCU meeting would be a GWA work session on March 20; a GPA work session on March 22 and a CCU meeting on March 27

At this time the Chairman announced that per Legal counsel's advice there are two (2) items for discussion in Executive Session pertaining to personnel and litigation matters. He called for a recess before moving the meeting to executive session. It was 6:37 p.m.

EXECUTIVE SESSION

Executive Session started at 7 p.m.

Personnel Matter - This matter was discussed.

Litigation Matter - This matter was discussed.

The meeting moved back to Regular Session @ 7:15. The Chairman asked if there was any further business

Comm. Bamba motioned to approve Resolution 20-FY2018, a claim filed by Mr. Paul Terlaje for damages to his home due to sewage back up in the amount of $4690.62.; Second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

For the record, the claim and CCU action noted above is documented in GWA Resolution 20-FY2018. The resolution, while not listed on the Agenda, was part of Executive Session discussion and publicly ratified by the Commission per above notation, making it an official GWA resolution and part of the record of the CCU meeting of February 27, 2018.

ADJOURNMENT

With no further business to discuss, the meeting adjourned at 7:25 p.m.

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Attested:

JOSEPH T. DUENAS, Chairman

J. GEORGE BAMBA, Secretary

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., March 27, 2018

AGENDA

1. CALL TO ORDER

2. APPROVAL OF MINUTES

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

4. NEW BUSINESS
   - 4.1 GPA
   - 4.1.1 GM Report Update
   - 4.1.2 Financials
   - 4.1.3 Resolution 2018-06 Relative to Procuring Property Insurance
   - 4.1.4 Resolution 2018-07 Piti 8&9 Contract
   - 4.2.5 Resolution 2018-08 Relative to Adoption & Implementation of Unified Ex.Officer Evaluation Policy for GPA and GWA

   - 4.2 GWA
   - 4.2.1 GM Report Update
   - 4.2.2 Financials
   - 4.2.3 Resolution 21-FY018 Relative to Adoption & Implementation of Unified Ex.Office Evaluation Policy for GPA and GWA
   - 4.2.4 Resolution 22-FY2018 Relative to Addition of Utility Payroll Clerk Series of Positions to CTP List
   - 4.2.5 Resolution 23-FY2018 Relative to Amendment of Asst.GM of Admin & Support (Unclass) Job Standard
   - 4.2.6 Resolution 24-FY2018 Approval of Badger Meter Contract for Additional Purchase of Water Meters
   - 4.2.7 Resolution 25-FY2018 Approval of Total Chemicals & JMI Edison Contract for Additional Purchase of Water Treatment Chemicals

5. OLD BUSINESS

6. ANNOUNCEMENTS
   - 6.1 Next CCU Meetings: GWA Work Session – April 17; GPA Work Session –April 19; CCU Meeting – April 20

7. EXECUTIVE SESSION
   - 7.1 Personnel Matter
   - 7.2 Litigation Matter

8. 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 27, 2018

MINUTES

CALL TO ORDER
The Chairman called the CCU regular meeting of February 27, 2018 to order at 5:30 p.m. He said (4) Commissioners are present, Comm. Santos is running late and that there was a quorum. The Chairman said the Agenda will be modified and GPA will go first because GM Benavente has to be at another event.

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis Santos	CCU Vice Chairman
George Bamba	CCU Secretary
Judith P. Guthertz	CCU Treasurer
Simon A. Sanchez	CCU Member

Executive Mgmt.:

John Benavente	GM / GPA
Thomas Cruz	GM (A) / GWA
Melinda Mafnas	GM (A) / GPA
John Cruz	AGMET / GPA
Tricee Limtiaco	AGMA / GPA
John Kim	CFO / GPA
Greg Cruz	CFO / GWA
Graham Botha	Staff Attorney / GPA
Kelly Clark	Staff Attorney / GWA

Management & Staff:

Paul Kemp	AGM Compliance&Safety / GWA
Zina Charfaurous	Personnel Admin / GWA
Vincent Pangelinan	GWA
Dave Fletcher	Waste Water Operations / GWA
Ron Topasna	GWA
Vangie Lujan	Compliance & Safety / GWA
Patti Diego	PIO / GPA
Heidi Ballendorf	PIO / GWA

Joyce Sayama	Mgmt. Analyst / GPA Ex. Office
Ann Borja	Mgmt. Analyst / GWA Ex. Office
Lou Sablan	Board Secretary / CCU

Guest:

Bill Gilman	Brown & Caldwell
Annmarie Muna	AM Insurance
Angela Perez	AM Insurance
Michael White	CDM Smith
Andrew Park	PEC

APPROVAL OF MINUTES

Minutes of January 23, 2018 was presented for approval. Comm. Bamba motioned to approve the Minutes and second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

COMMUNICATIONS

Public Comments (2-minutes per person)

There was no public comment

NEW BUSINESS

GWA

GM REPORT UPDATE

GM Bordallo gave his usual GM Report Update to include graphs and charts not included here.

Operational Issues

- 28 additional trades helpers started work this month:
  - Production – 9
  - Distribution – 8
  - WW Collection – 10
  - WW Treatment - 1
- GWA Employees continue to apply for and take computer-based certification testing conducted as a joint effort between GEPA, GWA, UOG and the Western Pacific Subsection of AWWA. So far, over 40 individuals have participated in the certification testing at various certification levels, with 10 receiving passing scores.

- Deployment of new light and medium duty fleet this month

Production & Distribution

- Leak repair
    - backlog has been significantly cleared; less than 60 pending repairs
    - pending IFB for leak repair services
    - pending for advanced remote leak detection services pending
- General Counsel working on letter to chlorine supply vendor regarding maintenance of minimum inventory levels per our contract.
- Ugum WTP – assessment of existing SCADA system completed; report and recommendations pending.
- GAC Treatment Systems for wells affected by PFOS
    - NAS-1
        - Permanent modifications to NAS-1 GAC Treatment System pending – confirmed for summer break;
        - Replacement Carbon being ordered
    - A-23/A-25:
        - existing GAC canisters for re-use have been isolated from the system and are being cleaned;
        - GWA evaluating potential to re-program DOI grant funding to expedite this work.
    - GIAA System: GIAA advised to provide replacement GAC
- 2018 Pump/Motor order – released on February 16, 2018
- GWA Crane Repair –parts have arrived, installation completed but error codes persist; vendor consulting manufacturers technician.

Wastewater Collection & Treatment

- CCTV:
    - Crews completed approximately 3 miles in January; work schedule impacted by smoke testing and inspections for I&I affecting Barrigada/Mangilao area, and maintenance of critical lines serving Route 16 SPS
    - Planning and Ops have initiated conversion of older (2012) CCTV data for compatibility with current condition assessment protocols
- Pump station facility maintenance efforts to begin shortly
- FOG Program
    - Comments received from US EPA, Program Manual being finalized
    - 2nd Residential Collection Program being coordinated for Central service area
- Agana WWTP outfall pump repairs being prioritized

- Northern District WWTP drying beds and digesters being cleared to facilitate design work for plant upgrade

Marbo (Andy-South) Wells – Status

- Governor's Counsel provided recommended modifications to re-conveyance document to GSA
- GSA has not accepted the proposed changes
- GWA waiting for feedback from GSA

One Guam Update

- Tumon Maui Well:
  - GWA's Consultant B& C are working to develop a plan to address the Leaks from the vent shaft. GWA will determine the course of action to remedy the problem.
- Santa Rosa Tank:
  - MOU for Santa Rosa Tank – in progress. Changes are being made to the location of the valves.
  - B&C did a presentation on the modelling results on the appropriate levels for the tanks to ensure that neither party will be negatively impacted.
- Agat Santa Rita WWTP:
  - For the in-kind, Cynthia Blas is waiting on the final the response from NBG PWD on the easement will be transferred to GWA. The letter will be finalized on 2/16/18.
  - The DOD's Real Estate office determined that the value of the easement is $16,700. The in-kind contribution needs to match that amount.
- Distribution Systems:
  - GWA continues to work with DOD to resolve wastewater line issues in the Leon Guerrero area.
- DOD determined that they will not be able to connect to the new sewer line. However, they are interested in looking at future projects for further collaboration.

OEA Grant Summary

- NDWWTP Upgrades
  - Technical memoranda / design workshops for solids processes expected in March
  - USEPA NEPA Document preparation on-going; 30% Design Submittal is next major milestone
- Outfall Diffuser:
  - IFB has been issued (1/16/18);
  - Pre-bid meeting 1/26/18;
  - Bids due 2/23/18 (extended)
- Sewer Line Interceptor Design-Build
  - Multi-Step IFB has been issued.
  - Technical Proposal Due 3/8/18
  - Price Proposal Due 4/12/18
- NGLA Observation wells – Design work on-going

NRW – Update

- Water Audit update on-going
    - Production rates are being reviewed for accuracy and refined
    - Unmetered, Authorized uses are being quantified
    - Meter and billing inaccuracies are being reviewed and refined

FINANCIAL UPDATE – Not discussed

Resolution 17-FY2018 Change Order No. 4 for the Agat-Santa Rita WWTP Upgrade Construction Management Contract

The objective of the Change Order is to continue construction management services at the Agat Santa Rita WWTP construction project until such time the contractor has completed all required work. GWA has executed an extension to the contractor's contract completion date to March 2018, and has adjusted the CM's contract accordingly. The contractor, Sumitomo Mitsui Construction Corp (SMCC), recently presented a proposed construction schedule that extends the current contract completion date. GWA is currently assessing the contractual implications of the Contractor's failure to meet the current construction schedule that notwithstanding, CM services will be required on the project until all work is completed. The completion of the construction work is the responsibility of SMCC however, GWA must ensure that CM services also continues, and thus the resolution before the CCU is to approve a Change Order that will extend the required CM services possibly to July or August of 2018 and will necessarily increase the authorized CM contract amount.

The Change order would also cover work related to construction activities associated with the installation of the 21-inch diameter gravity sewer line on the A-SR WWTP site that is part of the Baza Gardens Pumping and Conveyance project but which is not currently contracted out for installation.

GWA management seeks CCU approval of Change Order No. 4 with GHD, Inc. in an amount not-to-exceed Eight Hundred Eighty-Two Thousand Six Hundred Thirty-One Dollars ($882,631.00). The change order will be negotiated to an appropriate amount and expended on a Time and Materials basis.

The anticipated completion of the construction activities by the contractor is May 2018 however the Change Order covers additional services up unto August 2018.

Funding for the Change Order will be from the bond funds under the line item - WW 11-08 "Agat/ Sta Rita STP Replacement" and/or funds derived from Liquidated Damages assessed the Contractor and will be applied to pay CM services.

Comm. Sanchez motioned to approve Resolution 17-FY2018 and was second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

Resolution 18-FY2018 2010 Bond Proceeds Reallocation

The objective of the resolution is to give GWA management the authority to reallocate unspent or unused monies from completed CIP projects funded by the 2010 bond proceeds (such as unused contingencies, or negotiated cost savings) to other CIP line items that are on-going and for which there exists a current and greater need for funding, thereby improving management's ability to encumber the fund balance.

The on-going CIP line items that would have unobligated 2010 Bond proceeds reallocated to them are PW 05-07 "Meter Replacement Program", PW 05-12 "Brigade II (Ugum Lift) BPS Upgrade", PW 05-15 "Rehabilitation of Asan Springs", PW 09-09 "Water "Reservoir Internal/External" and WW 11-03 "Baza Gardens STP Replacement".

The bond proceeds that will be affected by the reallocation is Eight Hundred Eighty-Six Thousand Four Hundred Thirty-One Dollars ($886,431.00)

The goal of reallocating the 2010 bond proceeds is to encumber all bond proceeds by December 2018.

Comm. Guthertz motioned to approve Resolution 18-FY2018; Second by Comm. Bamba. There was no further discussion or objection and the motion passed.

Resolution 19-FY2018 Contract for the NDWWTP Outfall Effluent Diffuser Installation Project

This resolution was tabled.

GPA

GM REPORT UPDATE

GM Benavente gave brief highlights to his GM report which included various graphs and charts not included here.

Generation System Update: The following summarizes the expected generation capacity situation for March 2018. The peak demand for March is estimated at 248 MW. GPA plans to do chemical cleaning of both Cabras 1 & 2 steam units in March thru early April. The cleaning is necessary in order to improve plant availability and reliability.

March 2018 Capacity Available:	**332 MW**
March 2018 Projected Demand	**248 MW**
Available Reserve Margin	**84 M**

Re Net Metering customers the past year is about 250- about 20 per month. The first 18 months was about 1100 customers. He said he would provide Comm. Sanchez his requested report at the next meeting

ACTION: Net Metering report requested by Comm. Sanchez (Due Date: 03/26/2018)

Renewable Energy Production Summary Thru January 2018:

Energy Renewable production averted $15M in fuel cost.

Comm.Bamba commented on net metering based on a couple of constituent calls about his opinion re solar companies. They offered her solar system for $49k and they are only charging her $15 per month. He recommended that GPA implement something an outreach perhaps on the website that helps to explain the renewable program currently being offered, how it works and the impact to ratepayers / customers so when approached by independent renewable solar companies, they can make an informed decision. Comm. Guthertz said there a real need in the community for a consumer person to focus on these types of inquiries. There is no formal mechanism in place to respond to people's inquiries and management should look into this as part of our mission.

ACTION: GPA to implement outreach program to help consumers understand the current solar system programs in the market place (No due date mentioned)

Phase II Renewables: The PUC is expected to deliberate the approval of the KEPCO-LG 60 MW Power Purchase Agreement at its February 22nd Meeting. The HANWHA 60 MW PPA contract is before the CCU for approval this month. If CCU approves, the PUC may approve the project in their March 2018 meeting.

Phase III Renewables Bid: The bid has been issued. The bid request is for about 40MW of solar PV renewables to be constructed on Navy leased land. The energy produced would be stored in batteries during the day and released at nighttime to meet peak time load. The bid price opening date for acceptable proposals is set for April 17, 2018.

PUC Agenda :

- **GPA Docket 18-06, Petition to Approve Phase II Renewable Award to KEPCO-LG CNS Consortium**
- **GPA Docket 18-07, Petition to Approve Piti Substation GIS Maintenance Award to AYM International**
- **Both were passed and approved by PUC on February 22, 2018**

New Power Plant Procurement:

- The rezoning effort for the land for the new power plant continues. Senator Ada held a public hearing on Bill-223-34 on February 9th. He has noted he will introduce the bill to be deliberated in the Legislature's February session.
-

Employees Briefings: We conducted employee briefings on February 19th and 20th. Twice a year we update our employees/team on the progress of the utility and where we are heading.

Key Performance Indicators: The following pages provide updated information thru January 2018.

FINANCIAL UPDATE

CFO Kim gave a brief overview of finances for period Dec. 31, 2017. Revenue budget was 13.6k and actuals were 13.9k; KWh sales budget was 133.6k and actual was 138.5k; fuel cost is budgeted at 20.5 and actual is 16k; all customer categories - residential, commercial, government, streetlights and navy trends upward for 1Q2018; O&M budget is 6.4k and actual spend was 4.7k; debt service coverage is 2.19 and LEAC under recovery is $16.8M

Resolution 2018-02 Bond Refinancing Utilization

Guam Power Authority's (GPA) Bond Refinancing Program will result in a 2018 to 2021 cumulative debt service reduction of $1,639,189 and as per Guam PL 34-69, Section 2(h), GPA must notify I Liheslatura within sixty (60) days of refinancing of its intent and plan regarding the savings achieved from refinancing. Savings beginning 2022 will be utilized to offset the annual debt service cost of the new 180 MW power plant.

GPA desires to reserve part of the savings (from 2018-2021) for the benefit of the community by assisting the Guam Department of Education (GDOE) with its energy goals. The seed funding for the BEST Program is estimated at $500,000. GPA proposes to use the Bond Refinancing Program savings towards replenishing GPA's DSM rebate program funding and developing and executing GPA's proposed DSM program: *Bringing Energy Savings to (BEST) Schools Program.* The BEST Schools Program goals include:

- Supporting GDOE to achieve their legislative mandate to deploy and utilize renewable energy systems;
- Incentivizing GDOE to reduce their energy use and expenditures;
- Modernizing GDOE facilities infrastructure and extending GDOE equipment life with enhanced, proactive maintenance;
- Partnering up with GDOE under the UESC Program to execute the above;
- Ensuring GDOE continues to contribute to the O&M and capital investments for the GPA Power System.

Additionally, GPA will use the remainder of the Bond Refinancing Program savings of $1,139,189 towards replenishing GPA's Demand-Side Management (DSM) Rebate Program.

Average Annual Cash Savings: $501,236.00 (Strategic Investments Option

GM reported calculated savings of 2018 to 2021 bond refinancing is 1.639M gross. Plan is to use the $500K per year savings beyond 2021 to offset the debt service of the new power plant. Mgmt. has to report to Legislature / PUC the plan for utilization. Mgmt. proposes to 1) replenish the DSM program and 2) invest into the GDOE school system to bring energy savings to the schools. It involves to incentivize them to reduce energy consumption, modernize their infrastructure and partner with DOE under USEC program. GPA would conduct analysis of all the school, determine the potential energy efficiency upgrades, how much solar pv can be accommodated per school and determine current inventory status. In addition fund make one school a pilot as a model to help get federal grants/ public-private partnership. and have to report back to the legislature what management plans to do with these savings. One idea is to replenish the DSM program and the other is related to assisting DOE for renewable initiates and upgrades. GPA will conduct analysis of all the schools, determine what the current needs are beginning with using one of schools as model. Plan is to utilize $500k savings to do the analysis to identify and create a pilot and work with them long term.

Comm.Sanchez motioned to approve resolution; Comm. Bamba seconded.

Comm. Sanchez how management determined how to implement this program, what are we paying for and is it going to be outsourced or done in house. GM responded he would work with Siemans to help with the analysis. They have been working with the Navy and are currently employed by GPA already and will expand their scope of work. Will $500 achieve all these plans; GM said there's more than enough money to achieve these plans.

Comm. Sanchez recommended to amend line 38 after word of add words "up to" 500k to implement best schools program and any savings balance will go toward the DSM program; Second by Comm. Bamba.

Comm. Sanchez would like more detail on the program

ACTION: Comm. Simon wants a better understanding of management's plan re DOE - wants more detail (Assignee: John Benavente; Due Date: 03/26/2018)

There was discussion about the GM authority to transfer? The GM said that this request is just for this particular fund.

Comm. Guthertz asked if Doe entered into any agreement for solar panels; GM said there's one that GPA reviewed and it is compliant with the law but understanding is it is still at the AG's office. There is 1 bid that GPA helped to reshape but not sure what the final deal is. Comm. Bamba said that the deal that is stuck at the AG's is a higher kwh hour than one that GPA can offer as a utility and he is concerned that DOE will be tied into a higher renewable cost. The point he is making is if GPA does the pilot program and can offer 8.5 cents it is a big savings for doe.

Comm. Sanchez said he does not want to move forward with a $500k study that does not go anywhere. Even with the pilot project is GPA's ratepayer going to front the cost.

Comm. Duenas validated what GM mentioned he would do a study of all the schools - to use one school as model, to upgrade to energy efficient equipment and to come back to CCU with details. He mentioned he is In favor of resolution.

Comm. Santos said that the CCU is beating up a promise made to the senators; DOE pays $12M for power and they cannot afford it.

Comm. Sanchez said the motion is to approve this resolution. His question is what is the rule of engagement when we do this.

GM Benavente -confirmed he is dealing with the superintendent. GM said he will provide the scope of work when done to the Commission further explained his plan - to get the analysis done see the potential. Work with the superintendent as resident engineer to obtain grants or bring in private-public partnership. Will get back to the Commission after more thought

There was more discussion on the 1st amendment and new amendment stated is on Line 38-39 program savings of $1,639,189 shall be used to provide up to $500,000 to implement the BEST Schools Program and any balance remaining thereafter shall be transferred to the GPA DSM Rebate Program; Seconded by Comm. Bamba.

Comm. Sanchez wanted clarification that the GM is appending a summary of scope of work, that none of us have seen and CCU is approving GM to spend $500k of it. This is not usual.

Chairman said he wants to reiterate for the record we have a reso that we are thinking of adopting, GM will give CCU supplemental information. CCU giving authority to spend up to $500k and balance to replenish DSM and GM will come back to CCU with full scope of work for further guidance.

Benavente - already have to scope of work and wants CCU authority so he can proceed to complete this within the month; scope of work will be appended to the amended resolution.

Duenas - that proposes a problem because CCU is approving something that is not before the Commission. We can table this until you give the scope of work to CCU

Comm. Sanchez said we can approve he mix of the spend so we can tell the legislature the intent - DSM and trying to help DOE This is the rare occasion that we don't have the scope in front of us in order to move this forward we could

Comm. Duenas said the resolution gives the GM spending authority now and what we need to see is the detail which can be given to the Commission later.

Comm. Santos brought up spending authority of 750k; Duenas said that the spending authority for items already budgeted; this is a new fund - received in savings due to the bonds.

Comm. Duenas mentioned what we are doing now is to satisfy the legislature

On the amendment - no further discussion - all in favor
On the main motion - resolution approved - all in favor. The motion passed.

Resolution 2018-04 Power Purchase Agreement Phase II Renewables - HANWHA

This is for the 2nd of 60MW of renewable energy. GPA intends to meet its 2008 IRP goals and comply with Public Law 29-62 which sets renewable goals under the Renewable Portfolio Standards (RPS) with the Phase II projects. In January 2017 GPA obtained the price bids for GPA Multi-Step Bid No: GPA- 070-16 for 60MW of Renewable

Energy Resource capacity with ESS for ramp control. Hanwha Energy Corporation is one of the two (2) lowest responsive bidders (KEPCO-LG CNS Mangilao Solar, LLC., is the other one) with having two proposals for 30MW solar PV projects totaling 60 MW of solar PV capacity with ESS for ramp control. GPA and Hanwha Energy Corporation have completed and agreed to commercial terms and conditions of the Power Purchase Agreements (PPA). GPA seeks approval to submit Hanwha Energy Corporation's PPA to the PUC for their approval.

The Hanwha Energy Corporation 2x30MW solar projects are located at Dandan, Inarajan and the agreement is for 25 years. The funding source will be LEAC

HANWHA ENERGY CORPORATION Price Proposals

Contract Year	Proposal 1			Proposal 2		
	Annual Price ($/MWH)	Guaranteed Net Annual Generation (MWH/YR)	MicroGrid Operations Fixed Annual Fee	Annual Price ($/MWH)	Guaranteed Net Annual Generation (MWH/YR)	MicroGrid Operations Fixed Annual Fee
1	$ 62.45	72,005.00	$ 1,287,082	$ 65.99	72,005.00	$ 1,287,082
2	$ 63.08	71,831.00	$ 1,264,710	$ 66.65	71,831.00	$ 1,264,710
3	$ 63.71	71,245.00	$ 1,244,969	$ 67.32	71,245.00	$ 1,244,969
4	$ 64.35	70,865.00	$ 1,225,229	$ 67.99	70,865.00	$ 1,225,229
5	$ 64.99	70,485.00	$ 1,206,804	$ 68.67	70,485.00	$ 1,206,804
6	$ 65.64	70,306.00	$ 1,188,380	$ 69.36	70,306.00	$ 1,188,380
7	$ 66.30	69,724.00	$ 1,171,271	$ 70.05	69,724.00	$ 1,171,271
8	$ 66.96	69,344.00	$ 1,155,479	$ 70.75	69,344.00	$ 1,155,479
9	$ 67.63	68,693.00	$ 1,139,686	$ 71.46	68,693.00	$ 1,139,686
10	$ 68.31	68,780.00	$ 1,123,894	$ 72.17	68,780.00	$ 1,123,894
11	$ 68.99	68,202.00	$ 1,108,101	$ 72.89	68,202.00	$ 1,108,101
12	$ 69.68	67,821.00	$ 1,093,625	$ 73.62	67,821.00	$ 1,093,625
13	$ 70.37	67,440.00	$ 1,079,149	$ 74.36	67,440.00	$ 1,079,149
14	$ 71.08	67,252.00	$ 1,064,672	$ 75.10	67,252.00	$ 1,064,672
15	$ 71.79	66,678.00	$ 1,051,512	$ 75.85	66,678.00	$ 1,051,512
16	$ 72.51	66,296.00	$ 1,038,352	$ 76.61	66,296.00	$ 1,038,352
17	$ 73.23	65,915.00	$ 1,025,191	$ 77.38	65,915.00	$ 1,025,191
18	$ 73.96	65,722.00	$ 1,012,031	$ 78.15	65,722.00	$ 1,012,031
19	$ 74.70	65,151.00	$ 998,871	$ 78.93	65,151.00	$ 998,871
20	$ 75.45	64,770.00	$ 987,026	$ 79.72	64,770.00	$ 987,026
21	$ 76.21	64,388.00	$ 975,182	$ 80.52	64,388.00	$ 975,182
22	$ 76.97	64,190.00	$ 963,338	$ 81.33	64,190.00	$ 963,338
23	$ 77.74	63,623.00	$ 951,493	$ 82.14	63,623.00	$ 951,493
24	$ 78.52	63,241.00	$ 939,649	$ 82.96	63,241.00	$ 939,649
25	$ 79.30	62,859.00	$ 927,805	$ 83.79	62,859.00	$ 927,805

Comm..Bamba motioned to approve Resolution 2018-04; Second by Comm. Guthertz

GM Benavente said tis project will come on line in 2020 as projected in road show this will start to levalize our fuel cost. Comm. Sanchez asked what is estimated cost of investment ? The GM responded almost a billion dollars of direct and indirect investment on island for renewables.

On the motion - all in favor and the motion passed.

Resolution 2018-05 Increase of Engineering, Procurement & Construction Mgmt. Contract

Stanley Consultants was contracted in March 2017 through GPA RFP-17-001 as the Engineering, Procurement and Construction Management (EPCM) Contractor for the New 120-180 MW Power Plant in March 2017. As the EPCM, Stanley is providing the technical and contractual support in the new IPP procurement development and will support procurement activities including contract negotiations. The increase in contract cost will cover services through September 2018.

The new power plant proposed siting is adjacent to the Harmon Substation. GPA is requesting a $650,000 increase for technical services to develop procurement documents and support procurement activities. Additional costs are for services through September 2018. The contract has a term of 5 years from March 2017 and will be funded with CIP funds.

For the record, Commissioners Sanchez and Bamba abstained from this matter,

Comm. Santos motioned to approve the resolution for discussion; Second by Comm. Guthertz.

There was discussion on all the parties involved in the contract, SCI, JK, Pon, EA and Rim and if they are licensed to do business on Guam. GM Benavente said these are subcontractors working with Stanley Consultants who is licensed but not sure re subcontractors.

There was no further discussion and the motion passed with 3 ayes and 2 abstentions.

OLD BUSINESS

ANNOUNCEMENTS

The Chairman announced that the next CCU meeting would be a GWA work session on March 20; a GPA work session on March 22 and a CCU meeting on March 27

At this time the Chairman announced that per Legal counsel's advice there are two (2) items for discussion in Executive Session pertaining to personnel and litigation matters. He called for a recess before moving the meeting to executive session. It was 6:37 p.m.

EXECUTIVE SESSION

Executive Session started at 7 p.m.

Personnel Matter - This matter was discussed.

Litigation Matter - This matter was discussed.

The meeting moved back to Regular Session @ 7:15. The Chairman asked if there was any further business

Comm. Bamba motioned to approve Resolution 20-FY2018, a claim filed by Mr. Paul Terlaje for damages to his home due to sewage back up in the amount of $4690.62.; Second by Comm. Guthertz. There was no further discussion or objection and the motion passed.

For the record, the claim and CCU action noted above is documented in GWA Resolution 20-FY2018. The resolution, while not listed on the Agenda, was part of Executive Session discussion and publicly ratified by the Commission per above notation, making it an official GWA resolution and part of the record of the CCU meeting of February 27, 2018.

ADJOURNMENT

With no further business to discuss, the meeting adjourned at 7:25 p.m.

\\s\\

bls

Attested:

_____	_____
JOSEPH T. DUENAS, Chairman	J. GEORGE BAMBA, Secretary

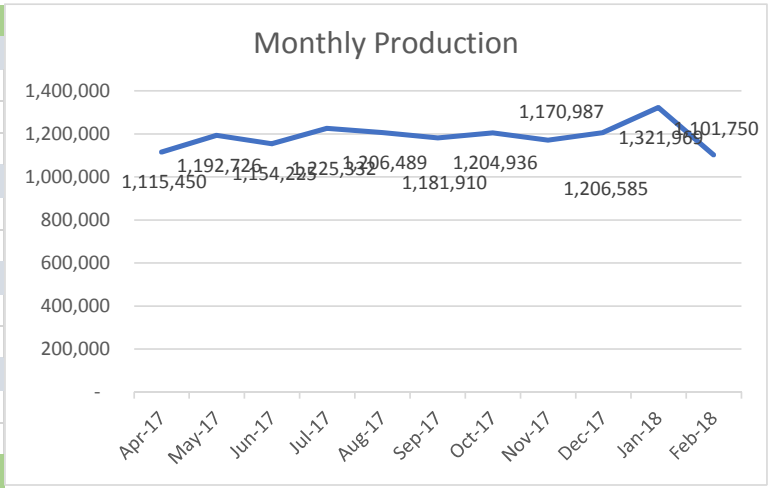
GUAM WATERWORKS AUTHORITY

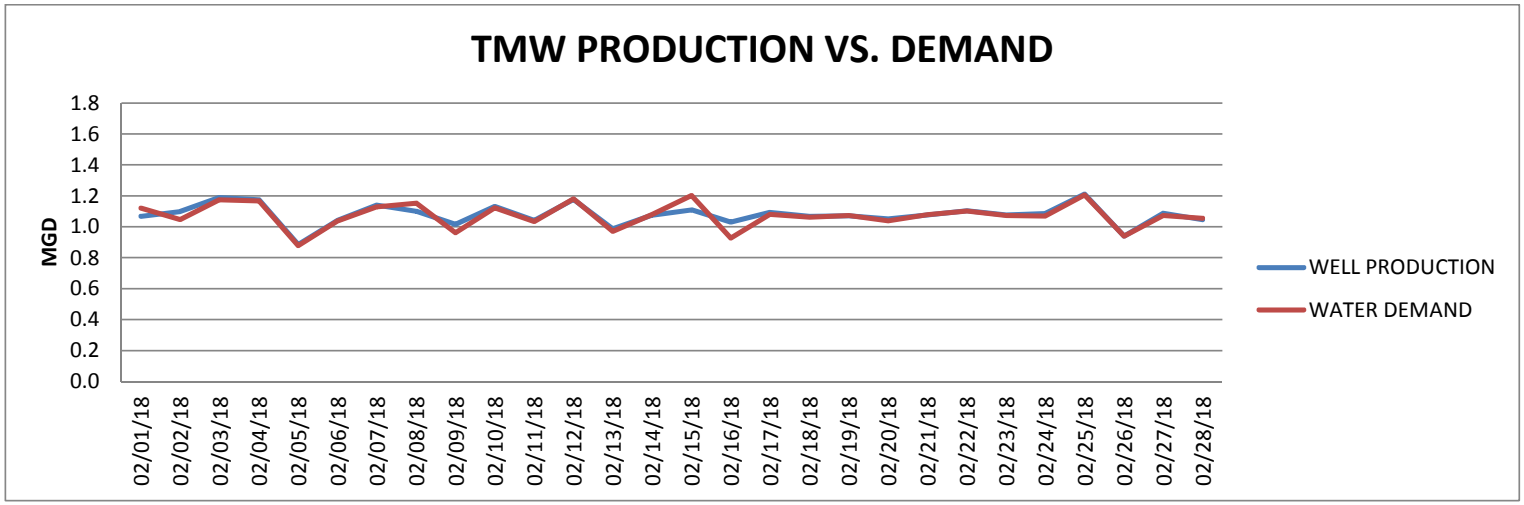
General Manager's Report
GPWA CCU Board Meeting, March 27, 2018

Operations Update

Production

Monthly Production Summary - February 2018					
Deep Wells				32.6	MGD
	Active wells =	97	of 120		
	Avg days in operation =	28.00	days		
	Total Production =	1,011,304	Kgals		
Springs				0.00	MGD
	Avg days in operation =	0	days	*placed on standby	
	Total Production =	0	Kgals		
Ugum Surface Water Plant				1.9	MGD
	Avg days in operation =	28	days		
	Total Production =	60,285	Kgals		
Tumon Maui Well				0.97	MGD
	Avg days in operation =	28	days		
	Total Production =	30,161	Kgals		
		1,101,750	Kgals	35.5	MGD

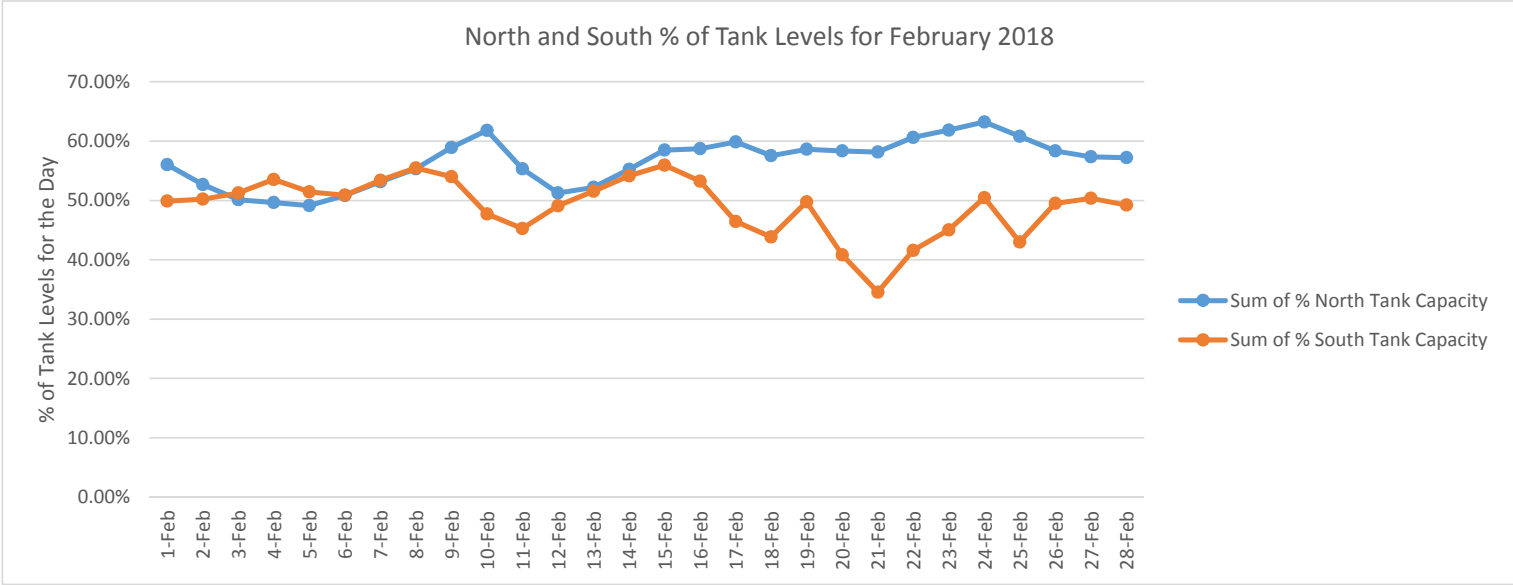




Distribution

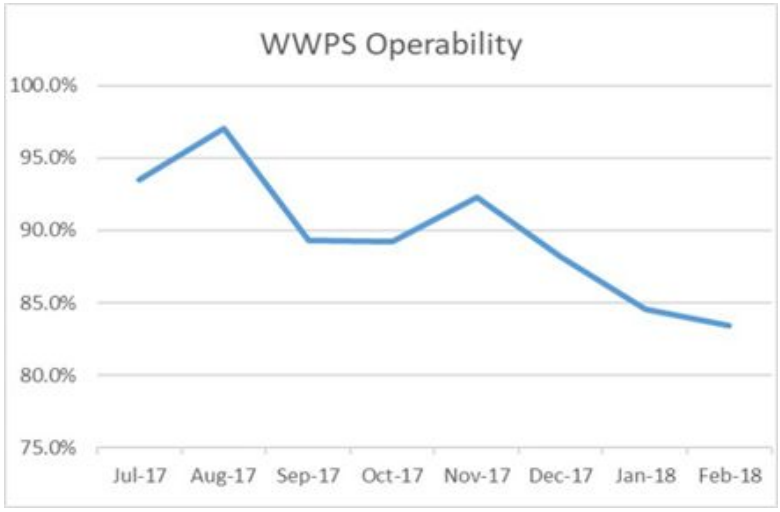
Monthly Distribution Summary - February 2018					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	21	18	85.7%
	Central	7	16	16	100.0%
	Southern	7	16	16	100.0%
		25	53	50	94.3%





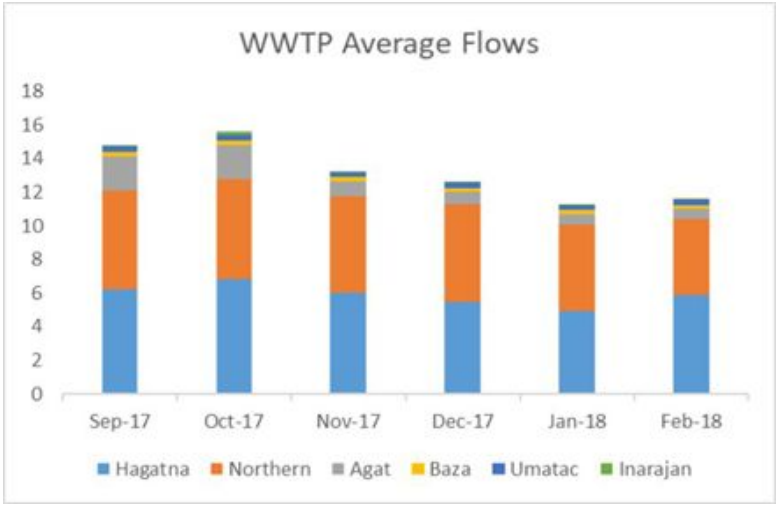
Wastewater Collections

Monthly Collections Summary -February 2018					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	52	82.5%
	Southern	27	54	42	77.8%
		78	169	141	83.4%

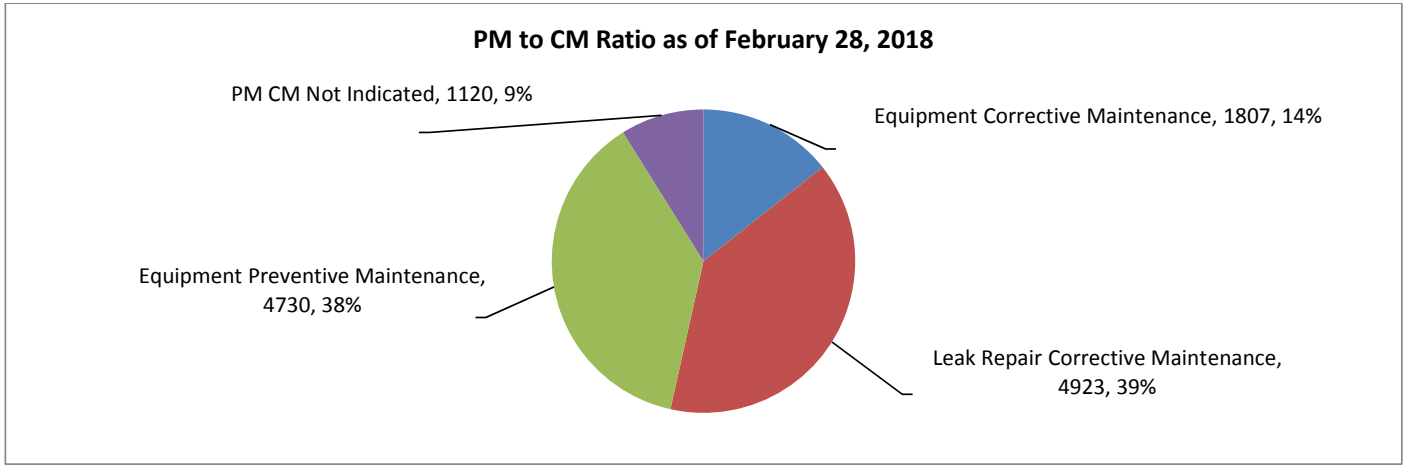


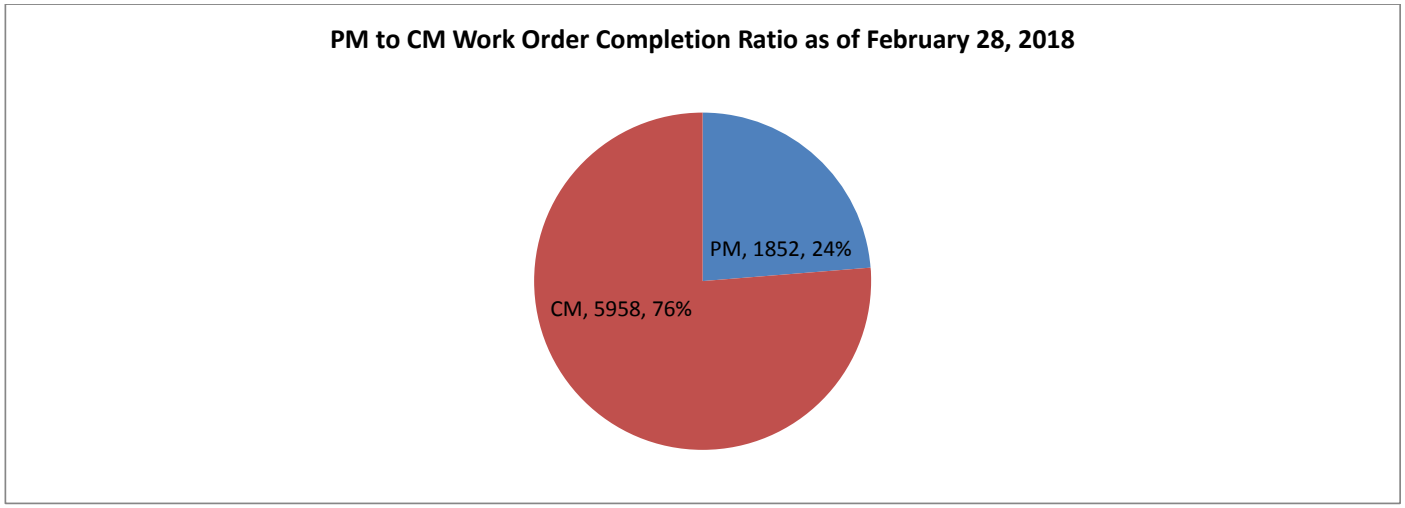
Wastewater Treatment

Monthly Wastewater Treatment Summary - February 2018				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	5.90	792,880	$ 71,359
	Northern	4.51	1,210,220	$ 108,920
	Agat	0.58		
	Baza	0.25		
	Umatac	0.30		
	Inarajan	0.05		
		11.59	2,003,100	$ 180,279



Asset Management





Operational Issues

- Update to water audit being conducted
- AWWA Benchmarking Survey being conducted
- USEPA Inspections of WWTPs conducted and reports issued
    - NDWWTP – inspection results were good
    - Hagatna WWTP – several issues identified in report; have been addressed.
        - Effluent pump was down – repair on one pump completed, critical spare motor in procurement
        - Digester mixer was down – repairs in progress
        - Floc chamber mixers down – repairs have been completed
        - Centrifuge was down – repairs underway
        - Safety issue – motor guards not in place during operation; were removed for refurbishment (corrosion); have been reinstalled.

Production & Distribution

- Leak repair
    - backlog has been significantly cleared; less than 60 pending repairs, less than 20 backhoe required repairs
    - pending IFB for leak repair services
    - pending for advanced remote leak detection services pending
- Ugum WTP – assessment of existing SCADA system completed; meeting to discuss potential scope additions on basis of findings.
- GAC Treatment Systems for wells affected by PFOS
    - NAS-1
        - Permanent modifications to NAS-1 GAC Treatment System pending – confirmed for summer break;
        - Replacement Carbon being ordered
    - A-23/A-25:
        - existing GAC canisters for re-use have been isolated from the system and are being cleaned;
        - GWA evaluating potential to re-program DOI grant funding to expedite this work.
    - GIAA System: GIAA advised to provide replacement GAC
- 2018 Pump/Motor order – released on February 16, 2018
- GWA Crane Repair –repairs have been made and unit is finally working; last error code being investigated; anticipate release this month
- Well Maintenance Rig – received; staff has been trained; deployment being planned

Wastewater Collection & Treatment

- CCTV:
  - Crews completed approximately 5 miles in February; work schedule impacted by smoke testing and inspections cross connections to storm drainage system in Hagatna per USEPA request.
  - Additional training for software and equipment maintenance being planned.
- Pump station facility maintenance efforts underway – more than 50% complete for initial in-house efforts.
- FOG Program
  - Program Manual revisions completed
  - 2nd Residential Collection Program being coordinated for Central service area
- Agana WWTP outfall pump repairs completed; mixer motors for floc basin repairs completed.

Meters

COMPLETED FIELD ACTIVITY JAN 2017 THRU FEB 2018 (POSTED IN CIS)	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	TOTAL:	FEB 2018 COMPLETED FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Test Meter	30	9	9	371	745	87	393	743	1000	1007	434	378	750	969	6925	459
GWA - Meter Exchange	393	179	220	276	482	353	501	807	1526	1039	452	259	239	1086	7812	516
GWA - Verify Zero Report	30	124	114	94	96	402	261	199	550	89	82	169	356	106	2672	140
GWA - Verify Low Usage	0	0	0	2	37	36	196	488	657	202	127	612	858	1122	4337	1392
TOTAL:	453	312	343	743	1360	878	1351	2237	3733	2337	1095	1418	2203	3283	21746	2507

# OF METERS TESTED AS PER METER TEST FACILITY REPORTS:	345	350	144	252	305	210	302	397	1013	1130	927	704	721	1041	7841	
# OF BACKBILLINGS APPLIED AS PER FINANCE REPORTS:	0	0	0	20	122	84	29	111	219	80	77	4	136	23	905	$ 708,341.40

# OF FIELD CREW PERFORMING CHANGE OUTS:	19	10	13	9	21	21	14	24	35	28	28*	28*	5	13
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CIS:	7	4	5	6	9	9	10	13	15	15	13	13	8	11
# OF SUPPLY STAFF TO ISSUE MATERIALS AND PROGRAM NEW METERS:	2	2	2	2	2	2	2	2	2	2	2	2	2	4
# OF TEST FACILITY PERSONNEL TESTING METERS:	2	2	2	3	3	3	3	3	3	3	3	3	3	2
# OF ACCOUNTANTS CALCULATING BACK BILLS:	0	0	0	2	3	2	2	3	3	2	2	2	2	2
TOTAL:	30	18	22	22	38	37	31	45	58	50	48	48	20	32

*Project overtime on hold Nov 18, 2017 thru Dec 16, 2017. During this period, 4 personnel performed work on this project during the regular work day with a majority of the work completed during Nov and Dec month occuring before and after the OT moratorium.

Marbo (Andy-South) Wells – Status

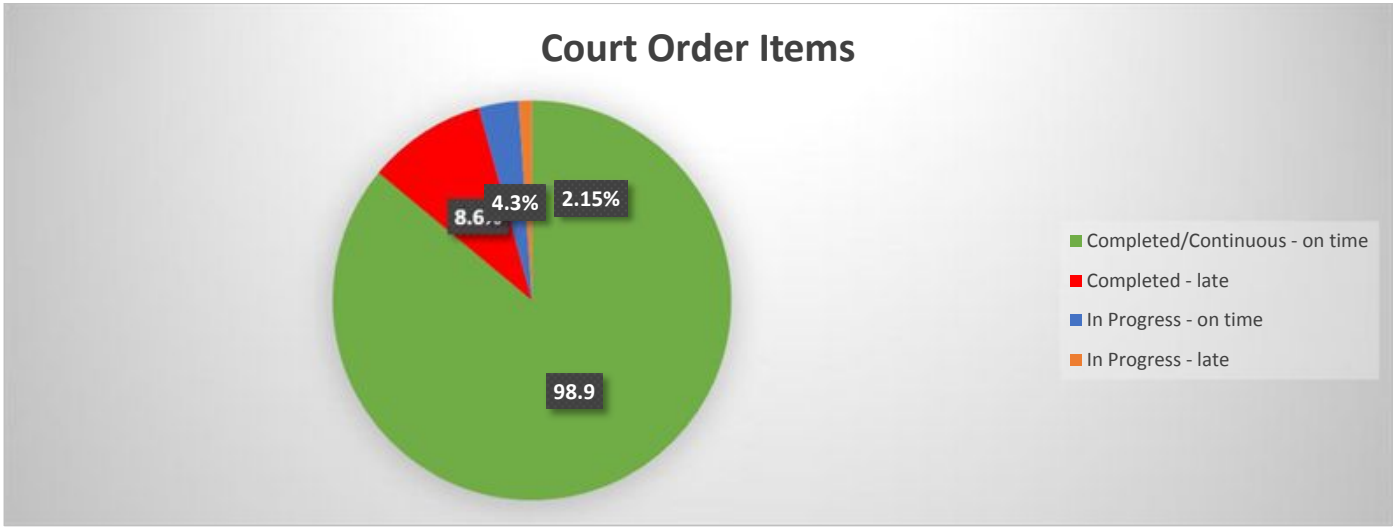
- Governor's Counsel provided recommended modifications to re-conveyance document to GSA
- GSA has not accepted the proposed changes
- Involuntary reversion appears imminent; GWA Counsel transmitted draft easement documents to GSA for consideration with DoD

One Guam Update

- Tumon Maui Well:
  - GWA's Consultant B&C are working to develop a plan to address the Leaks from the vent shaft, it is difficult to determine the extent of the problem until we have heavier rains, a plan of action will be developed once we are able to determine the extent of the problem.
- Santa Rosa Tank:
  - B&C did a presentation on the modelling results on the appropriate levels for the tanks to ensure that neither party will be negatively impacted.
  - GWA has worked through design issues with DoD; changes are in progress.
- Agat Santa Rita WWTP:
  - Navy heard there was an ordnance found on the site. NFM would like to know where it was found, on GWA's property or Navy's with GWA's easement. GWA will email the GPS coordinates
- Distribution Systems:
  - GWA continues to work with DOD to resolve wastewater line issues in the Leon Guerrero area.

Court Order

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance %
Court order total	93	80	1	9	3	98.9%



Status Information

- 1 item delayed
  - Meters
- Final Date to complete all Court Order items is December 31, 2020.
- Overflow or Bypass events reported to USEPA:
  - No new spills.

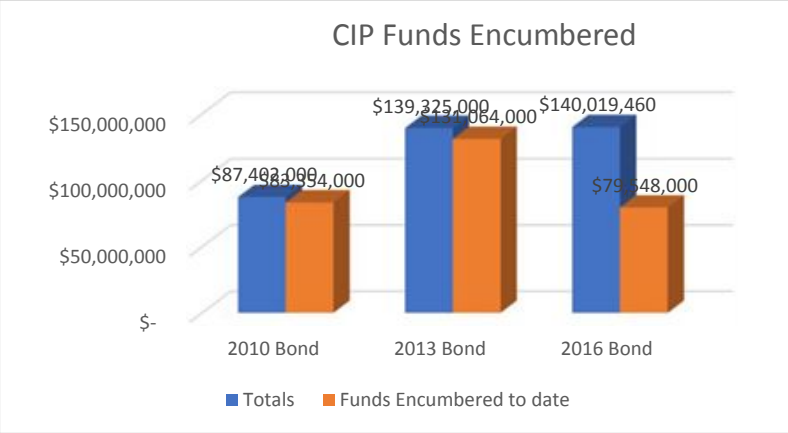
CIP Summary

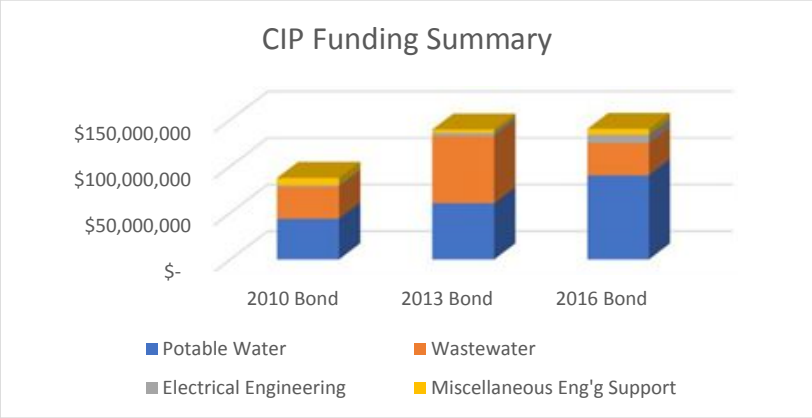
CIP Summary - Project Encumbrance

	2010 Bond		2013 Bond		2016 Bond			
	Funded	Complete	Funded	Complete	Funded	Complete	Total CIP Projects	%
Potable Water	28	17	21	7	20	0	35	49%
Wastewater	16	13	7	3	8	1	22	31%
Electrical Engineering	5	5	6	1	5	0	10	14%
Miscellaneous Eng'g Support	2	0	3	1	4	1	4	6%
Totals	51	35	37	12	37	2	71	100%
% of Total CIP by Fund Source	72%		52%		52%			

CIP Summary - Project Amounts

	2010 Bond		2013 Bond		2016 Bond			
	Funded	%	Funded	%	Funded	%	Total CIP Projects	%
Potable Water	$ 41,903,305	48%	$ 58,317,117	42%	$ 64,647,830	46%	$ 164,868,252	45%
Wastewater	$ 36,009,577	41%	$ 73,837,883	53%	$ 60,227,170	43%	$ 170,074,630	46%
Electrical Engineering	$ 1,748,118	2%	$ 3,395,000	2%	$ 8,750,000	6%	$ 13,893,118	4%
Miscellaneous Eng'g Support	$ 7,741,000	9%	$ 3,775,000	3%	$ 6,394,460	5%	$ 17,910,460	5%
Totals	$ 87,402,000	100%	$ 139,325,000	100%	$ 140,019,460	100%	$ 366,746,460	100%
Funds Encumbered to date	$ 83,354,000	95%	$ 131,064,000	94%	$ 79,548,000	57%		
% of Total CIP Funding	23.8%		38.0%		38.2%			

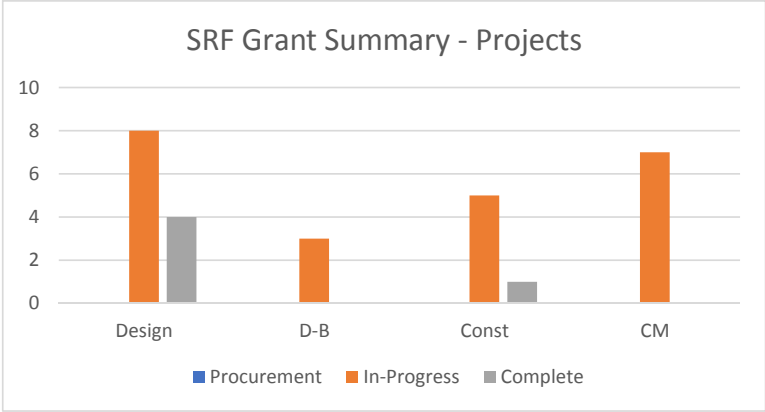




SRF Grant Summary

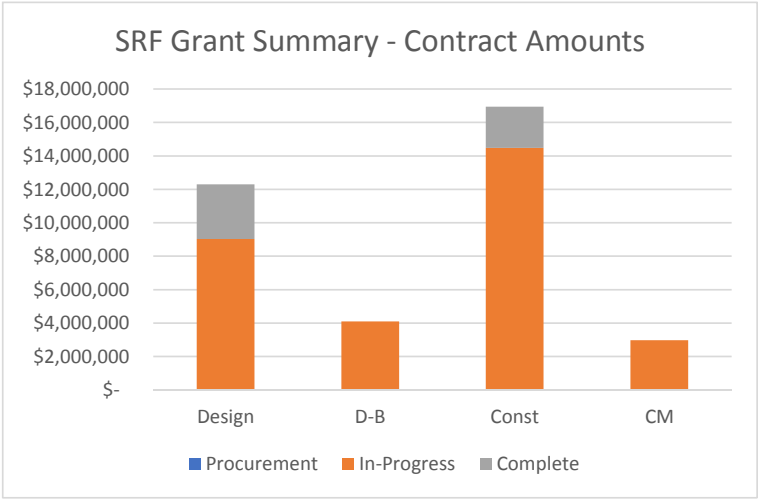
SRF Grant Summary - Projects

	Procurement	In-Progress	Complete	Totals	%
Design	0	8	4	12	43%
D-B	0	3	0	3	11%
Const	0	5	1	6	21%
CM	0	7	0	7	25%
Totals	0	23	5	28	
%	0%	82%	18%		



SRF Grant Summary - Contract Amounts

	Procurement	In-Progress	Complete	Totals	%
Design	$ -	$ 9,025,796	$ 3,279,629	$ 12,305,425	34%
D-B	$ -	$ 4,096,694		$ 4,096,694	11%
Const	$ -	$ 14,480,091	$ 2,470,658	$ 16,950,749	47%
CM	$ -	$ 2,977,793	$ -	$ 2,977,793	8%
Totals	$ -	$ 30,580,374	$ 5,750,287	$ 36,330,661	
%	0%	84%	16%		



OEA Grant Summary

- NDWWTP Upgrades
  - Design workshops for solids processes completed in early March; process and facility decisions finalized to allow design to proceed
  - USEPA NEPA Document preparation on-going; 30% Design Submittal is next major milestone
- Outfall Diffuser:
  - IFB has been issued (1/16/18);
  - Pre-bid meeting 1/26/18;
  - One bid received 2/23/18 – bid was rejected; GWA soliciting input to improve bid package; re-bid intended in coming months.
- Sewer Line Interceptor Design-Build
  - Multi-Step IFB has been issued.
  - Technical Proposal Due 3/15/18.
  - Several packages received and will be scored and evaluated.
  - Price Proposal Due 4/12/18.
  - B&C are preparing TFI documents to wave the MEC requirements.
  - GWA made the payment for the Right of Entry in the amount of $3,425.
- NGLA Observation wells – Design work on-going
  - There are no issues with the observation wells right now. Awaiting if the ROM (rough order of magnitude) is still pending from the DOD.

Action Item	Date (Target)	Date (Actual)	Status	Remarks
Project Funds Available	July-16	AUG-30-16	Completed	
Land Acquisition	Jan-17	Jan-17 (Compensation Pending)	Pending	Survey complete, appraisals complete – under review
Procure PM/CM Firm	Jan-17	Jan-17 (NTP Issued Feb 10th)	Completed	
Procure Design Firm	Jul-17		Completed	Contract issued; kickoff pending
Design -- 30/60/90/Final -- Review	Jun-18		On-target	Project design schedule under review by PM/CM
NEPA Analysis and Determination	Feb-17		Delayed	USEPA work on-going; procurement of contractor completed
Procure Construction Firm	Dec-18		On-target	
Construction Complete/Commence Operations	Nov-21		On-target	
Sewer line connection from MCB to GWA infrastructure	Jul-19		On-target	
MCB Initial Operating Capability	Jul-22		On-target	

Land Acquisition Summary

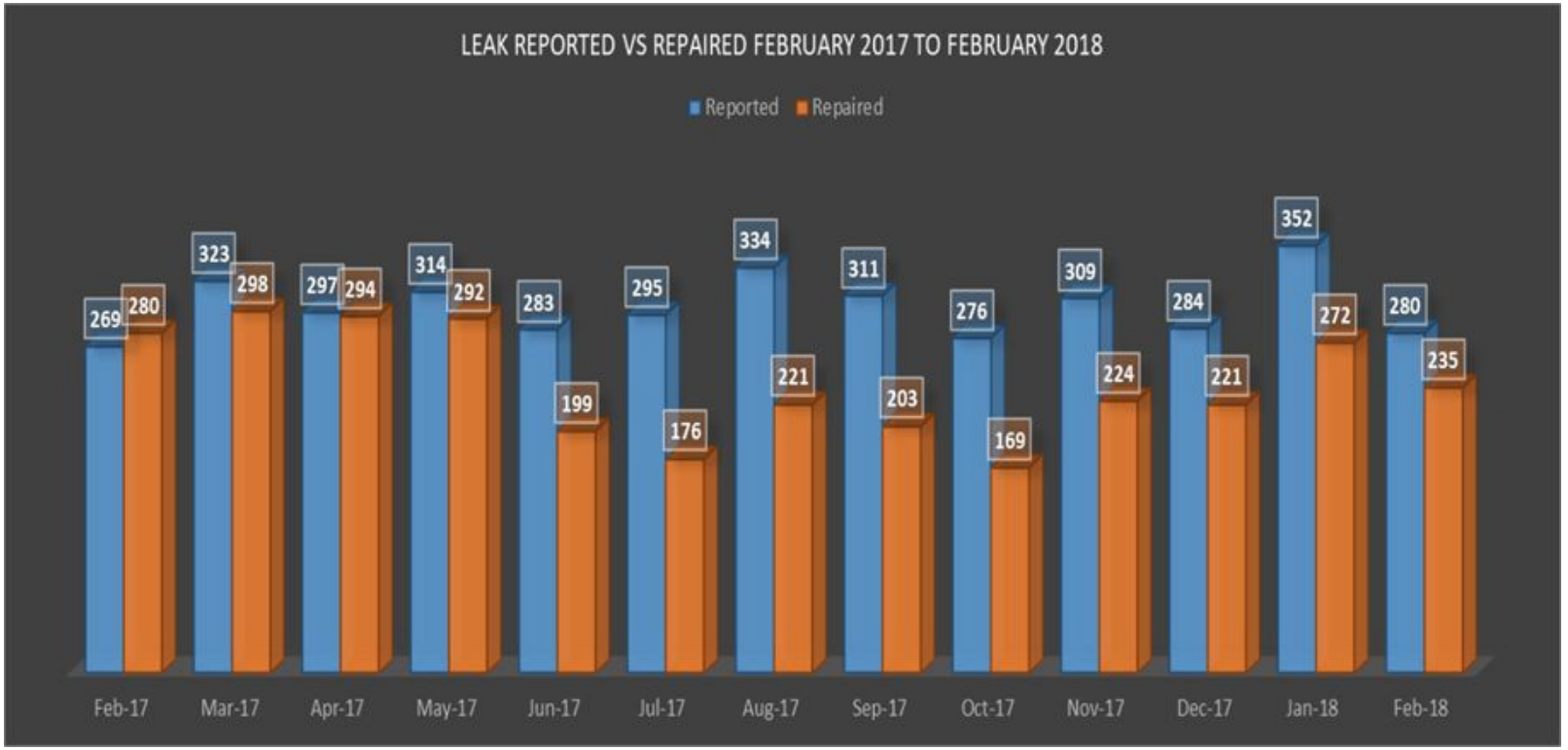
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Ugum	Private	TGE to draft Letter of Decision for private property owners 11/09/17
	Astumbo	Gov't. - CLTC	GWA and DoLM working together on Land Registration process. Pending Notification of surrounding lot owner information from DLM
	Piti	Private	Letters of Intent letters received from private property owner to authorize GWA to begin preliminary geotechnical investigation and archaeological investigation 2/27/18
Expansion of the Northern District Wastewater Treatment Plant (NDWWTP)	Dededo	Gov't - GALC	Funding Approval Request Sent to Finance 11/30/17; DoLM to draft Grant Deed 02/28/18. Title & Escrow Company have acknowledged underwriter approval of land acquisition 03/06/18
Deep Well	A-12	Private	Property ownership vested in GWA 10/16/17
	AG-12	Dept. of Agriculture/Manhita Farms	DCA doing as built verification survey work 03/12/18
	Y-8	Gov't. - CLTC	Parceling Map recorded and filed at DoLM on 02/06/2018
Booster Pump Station	Agfayan	Private	2nd follow up Letter of Intent will be hand delivered to private property owner on 03/14/18
Sewer Pump Stations	Property adjacent to Southern Link	Private	GWA started acquisition process on 12/23/2016. Property ownership vested in GWA 08/11/2017

NRW – Update

- Water Audit update on-going
  - Production rates are being reviewed for accuracy and refined
  - Unmetered, Authorized uses are being quantified
  - Meter and billing inaccuracies are being reviewed and refined

Leak Repair Summary



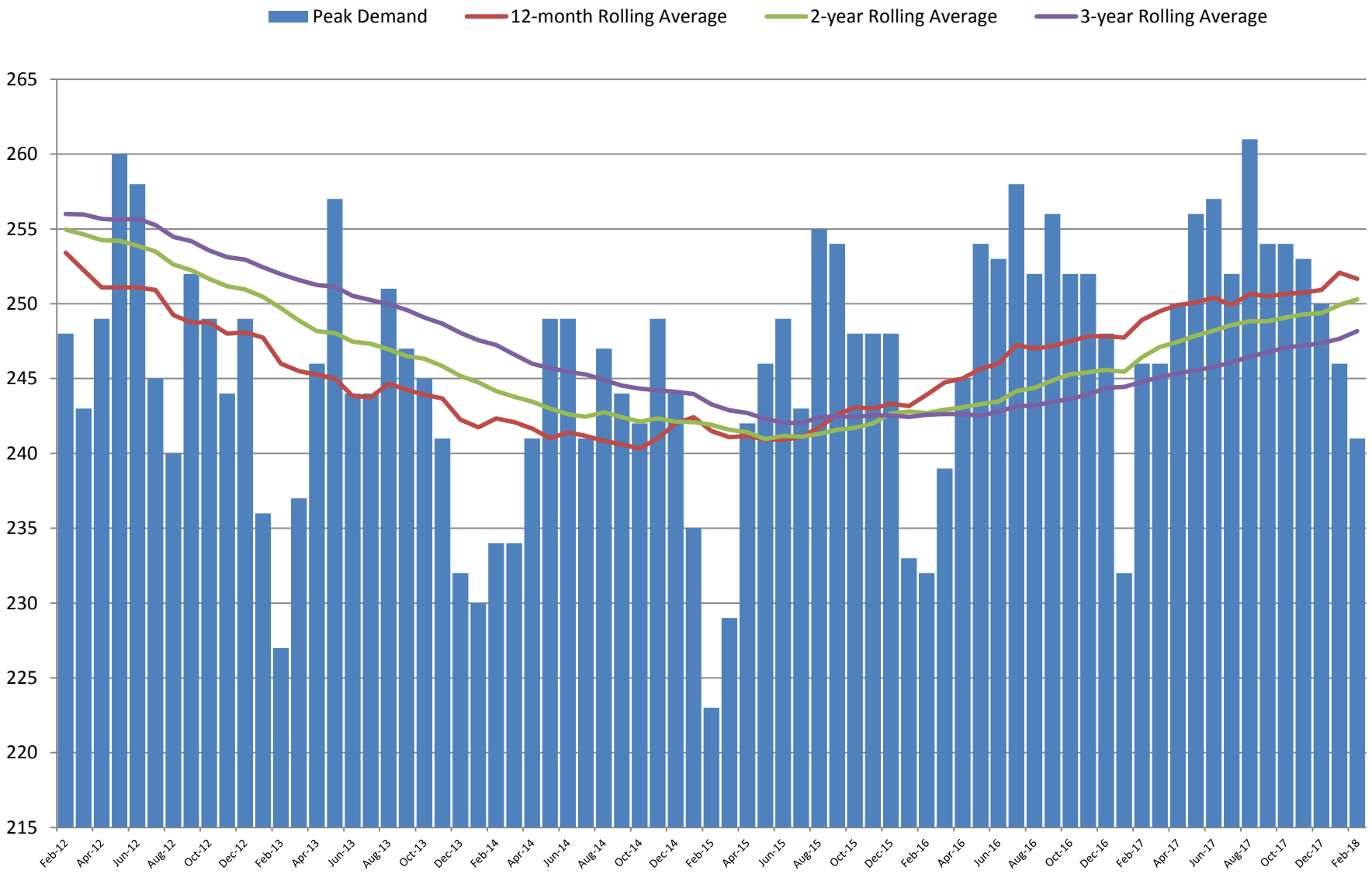

LEAK REPORTED VS REPAIRED FEBRUARY 2017 TO FEBRUARY 2018
Reported
Repaired
269
280
323
298
297
294
314
292
283
199
295
176
334
221
311
203
276
169
309
224
284
221
352
272
280
235
Feb-17
Mar-17
Apr-17
May-17
Jun-17
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18



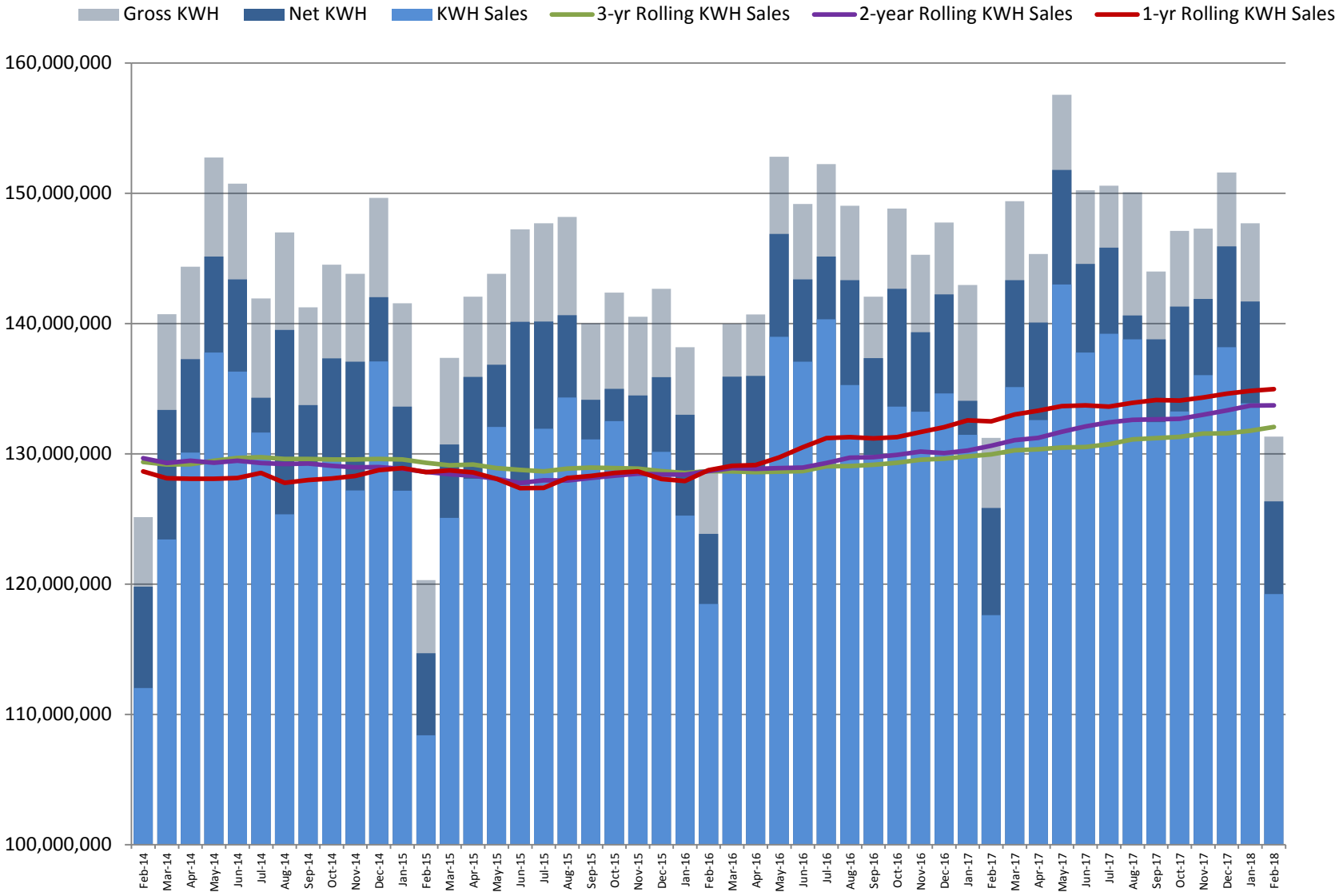
Assumptions:

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

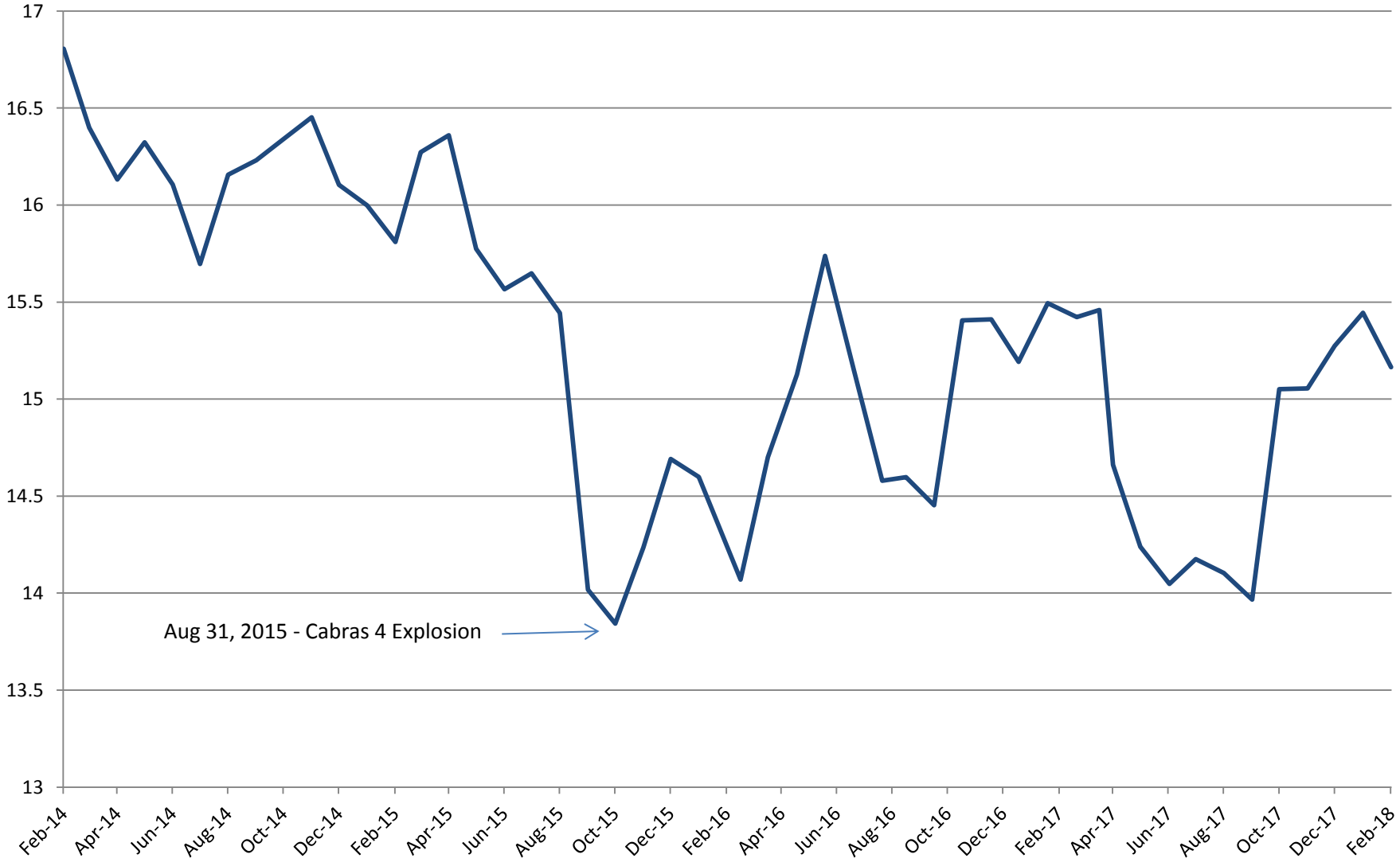
Historical Monthly Peak Demand
February 2012 - February 2018



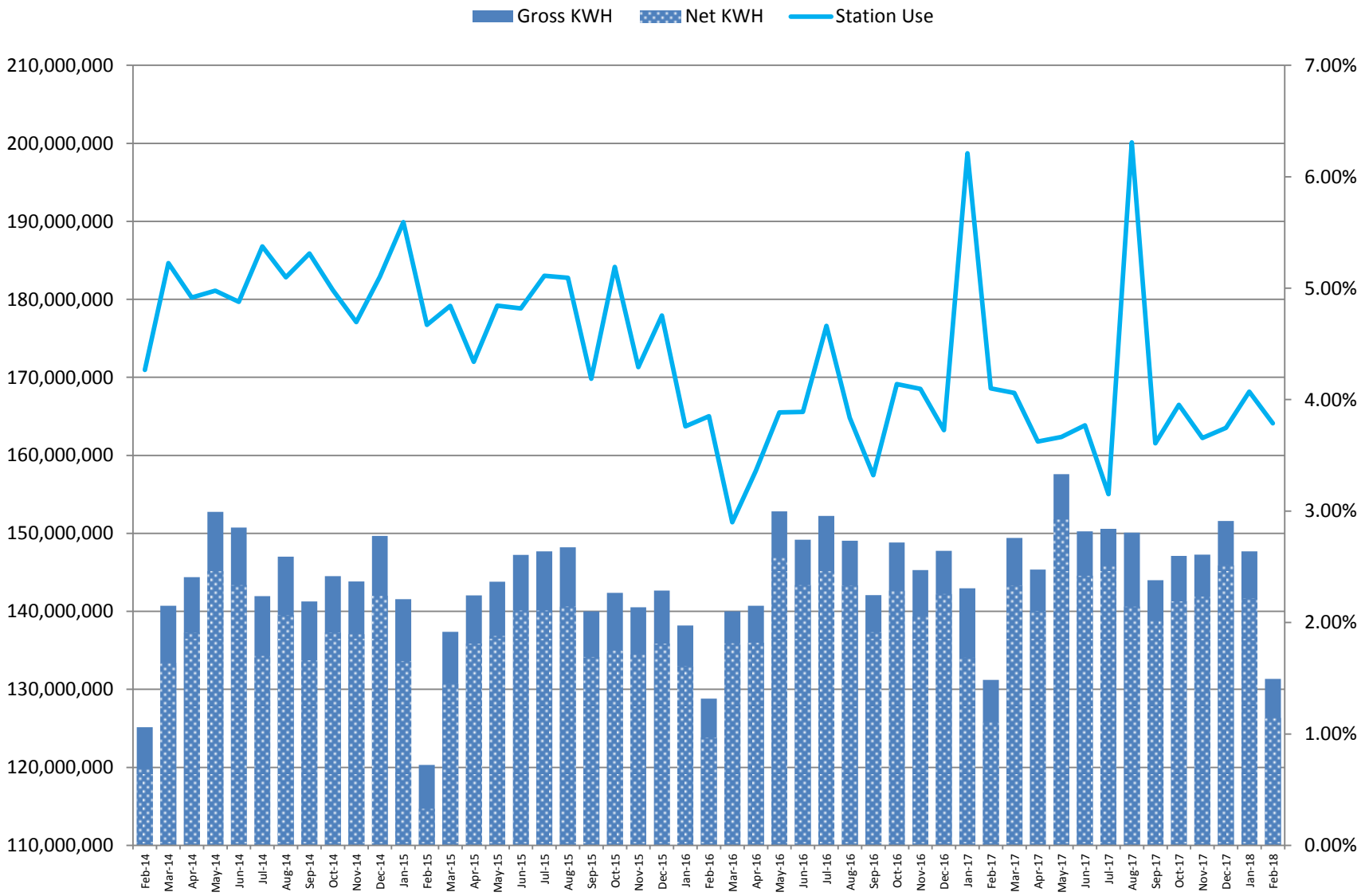
Historical KWH Sales
February 2014 - February 2018



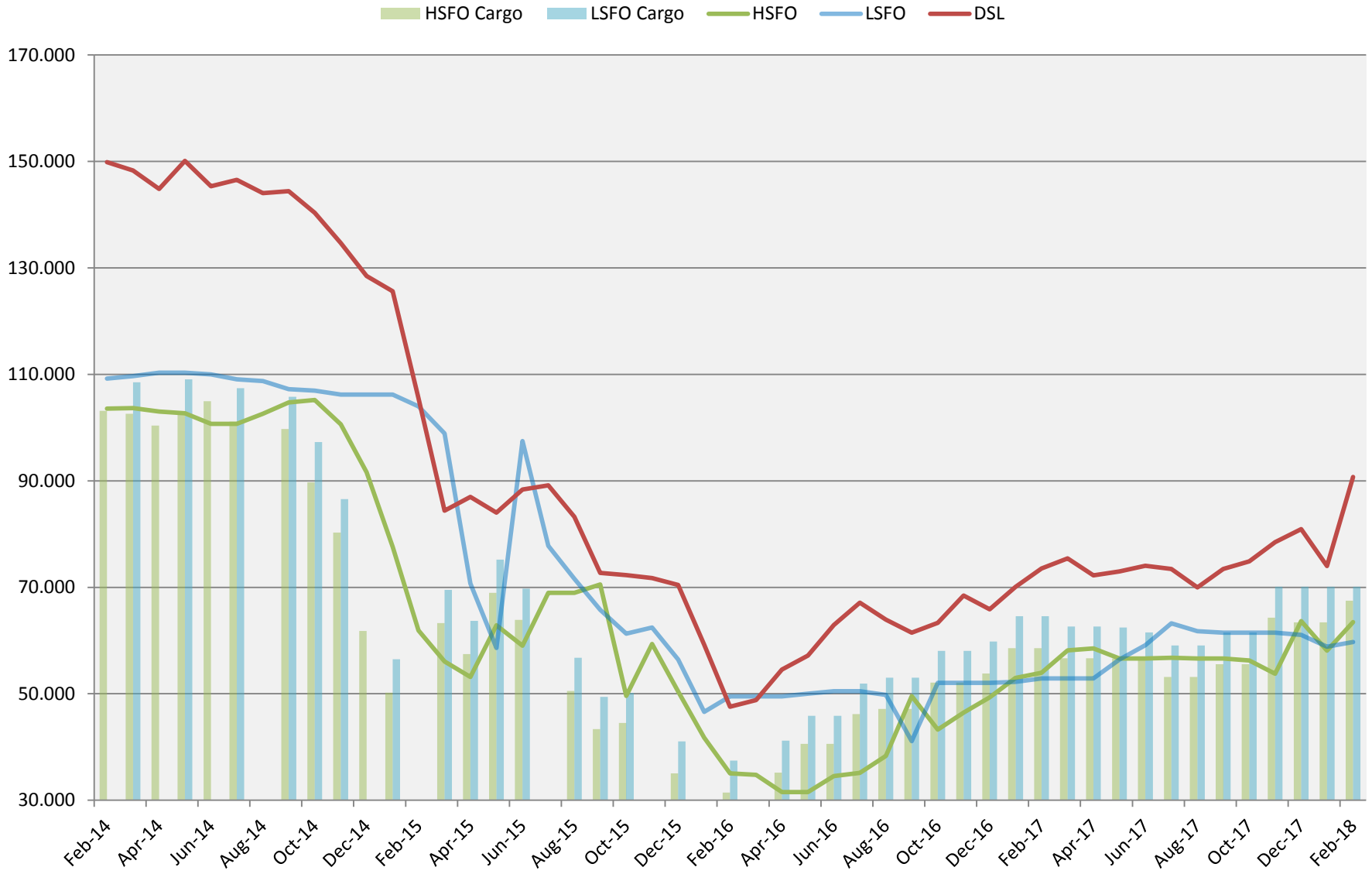
SYSTEM GROSS HEAT RATE
(KWH/Gal)
January 2014 - January 2017



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



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

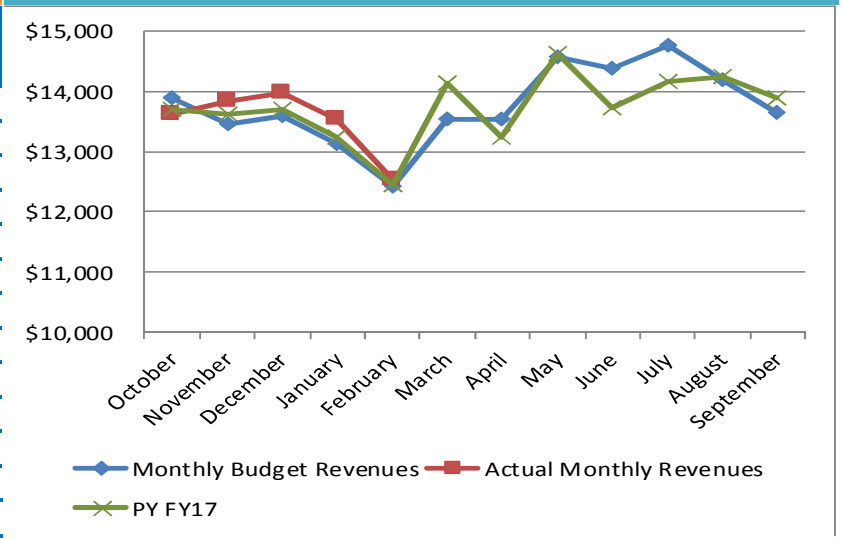


February 2018 Monthly Financial Highlight

Base Through February 28, 2018

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

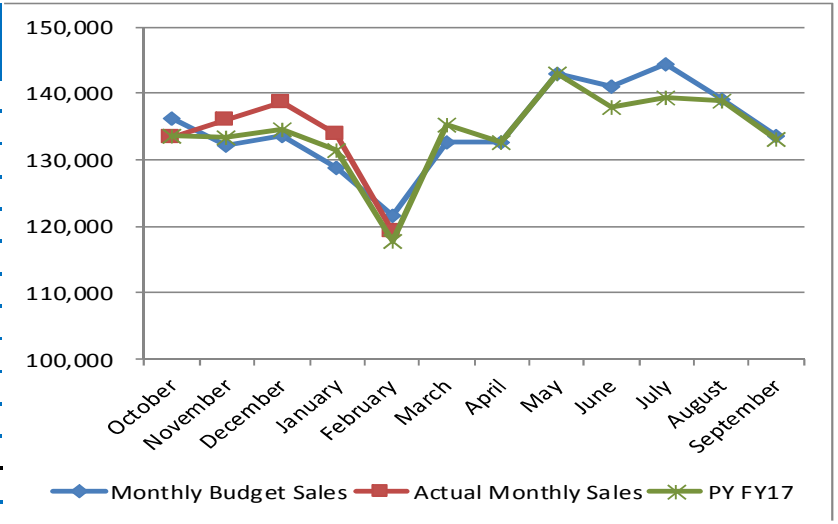
Base Rate Revenue $000



MWH Sales Through February 28, 2018

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

MWh Sales

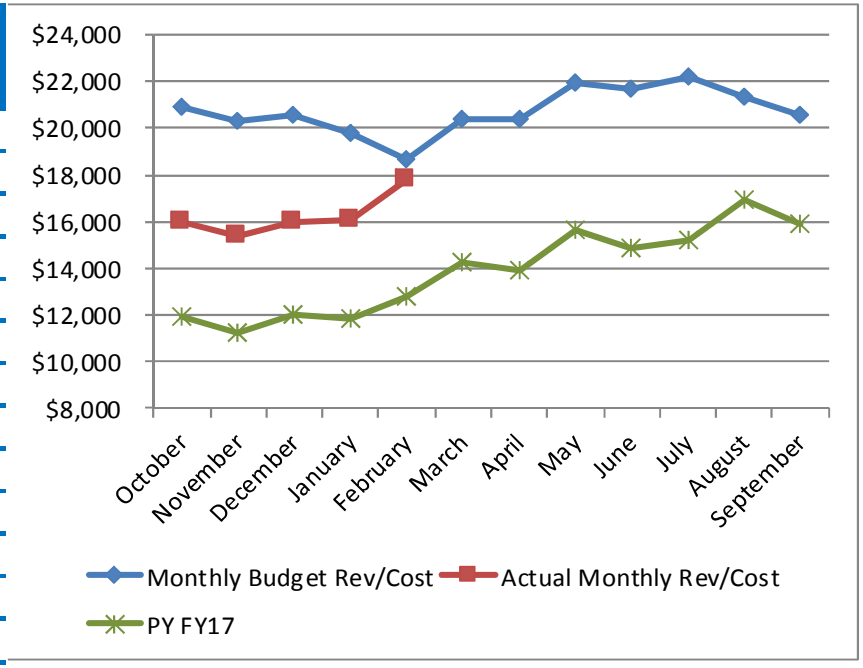


February 2018 Monthly Financial Highlight (Continued)

Fuel Revenue Through February 28, 2018

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

Fuel Revenue/ Cost $000



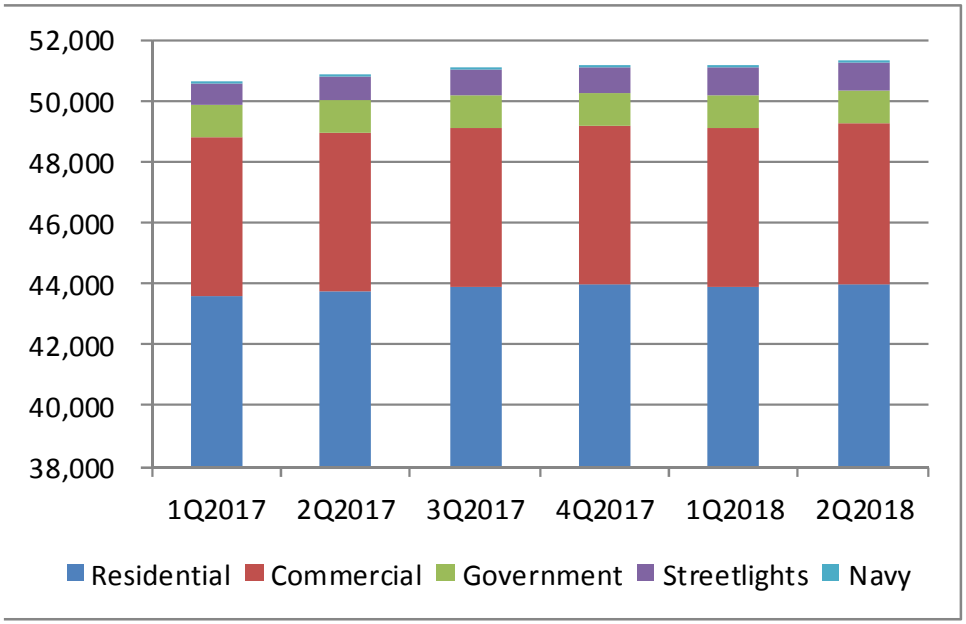
- Under recovery of LEAC - $14.4 million

February 2018 Monthly Financial Highlight (Continued)

Through February 28, 2018

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

Number of Customers

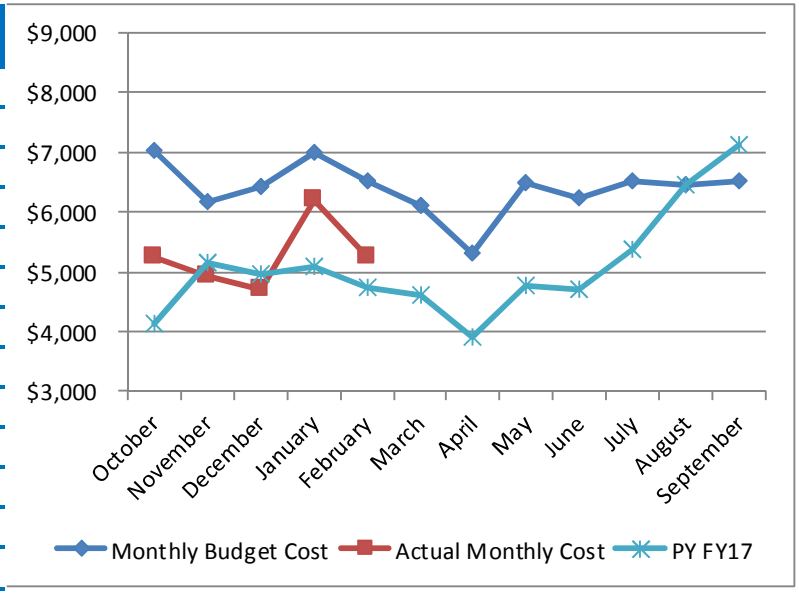


February 2018 Monthly Financial Highlight (Continued)

O&M CostThrough February 28, 2018

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

O&M Cost $000



- DSC greater than target of 1.75

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

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

GUAM POWER AUTHORITY
FINANCIAL STATEMENT OVERVIEW
January 2018

Attached are the financial statements and supporting schedules for the month and fiscal year ended January 31, 2018.

Summary
The increase in net assets for the month ended was $1.5 million as compared to the anticipated net decrease of $1.1 million projected at the beginning of the year. The total kWh sales for the month were 4.02% more than projected and non-fuel revenues were $0.4 million more than the estimated amount. O & M expenses for the month were $6.1 million which was $0.8 million under our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to $3.5 million, which was $0.5 million less than the projected amount. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	1.78	2.05	2
Days in Receivables	41	39	52
Days in Payables	35	25	30
LEAC (Over)/Under Recovery Balance -YTD	$16,797,412	$16,775,982	$17,405,751
T&D Losses	4.90%	5.00%	<7.00%
Debt Service Coverage	2.19	2.05	1.75
Long-term equity ratio	13%	13%	30 – 40%
Days in Cash	154	152	60

The Quick Ratio has been a challenge for GPA historically. However, over the last two fiscal years, the influx of cash has continued to improve this ratio. GPA has current obligations of approximately $73 million and approximately $149 million in cash and current receivables. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statement
January 2018
Significant Assumptions

The significant assumptions in the financial statements are as follows:

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

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

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Net Position
January 31, 2018 and September 30, 2017

	Unaudited January 2018	Unaudited September 2017	Change from Sept 30 2017
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	$ 9,985,667	$ 18,061,879	$ (8,076,212)
Bond indenture funds	53,962,429	56,907,535	(2,945,106)
Held by Guam Power Authority:			
Bond indenture funds	111,516,876	132,579,889	(21,063,013)
Self insurance fund-restricted	19,253,724	19,251,372	2,352
Energy sense fund	706,897	1,074,491	(367,594)
Total cash and cash equivalents	195,425,593	227,875,166	(32,449,573)
Accounts receivable, net	35,903,114	35,603,289	299,825
Total current receivables	35,903,114	35,603,289	299,825
Materials and supplies inventory	12,673,023	11,989,745	683,278
Fuel inventory	43,896,055	52,387,369	(8,491,314)
Prepaid expenses	6,701,394	682,814	6,018,580
Total current assets	294,599,179	328,538,383	(33,939,204)
Utility plant, at cost:			
Electric plant in service	1,040,481,418	1,037,419,517	3,061,901
Construction work in progress	22,176,691	18,382,414	3,794,277
Total	1,062,658,109	1,055,801,931	6,856,178
Less: Accumulated depreciation	(578,324,678)	(565,144,900)	(13,179,778)
Total utility plant	484,333,431	490,657,031	(6,323,600)
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,506,149	48,576,863	(70,714)
Unamortized debt issuance costs	2,692,784	4,267,305	(1,574,521)
Total other non-current assets	51,198,933	52,844,168	(1,645,235)
Total assets	830,131,543	872,039,582	(41,908,039)
Deferred outflow of resources:			
Deferred fuel revenue	16,775,982	16,751,048	24,934
Unamortized loss on debt refunding	28,926,964	11,076,064	17,850,900
Pension	8,168,718	8,168,718	0
Unamortized forward delivery contract costs	584,238	637,358	(53,120)
Total deferred outflows of resources	54,455,902	36,633,188	17,822,714
	$ 884,587,445	$ 908,672,770	$ (24,085,325)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statement of Net Position, Continued
January 31, 2018 and September 30, 2017

	Unaudited January 2018	Unaudited September 2017	Change from Sept 30 2017
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	$ 1,630,000	$ 1,780,000	$ (150,000)
Current obligations under capital leases	16,949,416	16,949,416	0
Accounts payable			
Operations	28,039,118	56,671,898	(28,632,781)
Others	5,230,383	5,425,336	(194,952)
Accrued payroll and employees' benefits	1,587,736	1,546,860	40,876
Current portion of employees' annual leave	2,408,801	2,324,895	83,906
Interest payable	8,197,614	15,065,830	(6,868,216)
Customer deposits	8,449,512	8,503,783	(54,271)
Total current liabilities	72,492,580	108,268,018	(35,775,438)
Regulatory liabilities:			
Provision for self insurance	19,550,977	19,550,977	0
Total regulatory liabilities	19,550,977	19,550,977	0
Long term debt, net of current maturities	607,378,997	590,568,862	16,810,135
Obligations under capital leases, net of current portion	22,568,383	30,343,708	(7,775,325)
Net Pension liability	62,843,334	64,596,253	(1,752,919)
DCRS sick leave liability	4,008,397	4,008,397	0
Employees' annual leave net of current portion	806,762	806,762	0
Customer advances for construction	375,436	369,180	6,256
Total liabilities	790,024,866	818,512,157	(28,487,291)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	2,141,398	2,336,071	(194,673)
Pension	732,788	732,788	0
Total deferred inflows of resources	2,874,186	3,068,859	(194,673)
Commitments and contigencies			
Net Position:			
Net investment in capital assets	(62,315,439)	(43,869,737)	(18,445,702)
Restricted	15,562,474	15,232,832	329,642
Unrestricted	138,441,357	115,728,658	22,712,699
Total net position	91,688,392	87,091,754	4,596,638
	$ 884,587,445	$ 908,672,770	$ (24,085,325)

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

	January 31			Four Months Ended January 31		
	Unaudited 2018	Unaudited 2017	% of change Inc (dec)	Unaudited 2018	Unaudited 2017	% of change Inc (dec)
Revenues						
Sales of electricity	$ 29,570,546	$ 25,087,712	18	$ 118,334,353	$ 101,252,329	17
Miscellaneous	244,586	429,359	(43)	651,638	959,263	(32)
Total	29,815,132	25,517,071	17	118,985,991	102,211,592	16
Bad debt expense	(86,583)	(83,333)	4	(346,333)	(333,333)	4
Total revenues	29,728,549	25,433,738	17	118,639,658	101,878,259	16
Operating and maintenance expenses						
Production fuel	16,036,335	11,867,294	35	63,379,700	47,012,787	35
Other production	1,623,928	1,350,057	20	5,149,642	4,902,880	5
	17,660,263	13,217,351	34	68,529,342	51,915,667	32
Depreciation	2,498,360	3,270,668	(24)	13,239,119	14,015,885	(6)
Energy conversion cost	1,395,174	1,694,693	(18)	6,337,146	6,065,323	4
Transmission & distribution	1,179,451	1,217,721	(3)	4,139,311	4,131,417	0
Customer accounting	404,905	448,841	(10)	1,672,119	1,418,060	18
Administrative & general	2,909,522	2,140,780	36	9,770,822	8,432,304	16
Total operating and maintenance expenses	26,047,675	21,990,054	18	103,687,859	85,978,656	21
Operating income	3,680,874	3,443,684	7	14,951,799	15,899,603	(6)
Other income (expenses)						
Interest income	152,399	91,936	66	1,903,859	319,739	495
Interest expense and amortization	(2,664,160)	(2,890,094)	(8)	(10,832,550)	(11,280,354)	(4)
Bond issuance costs	91,039	76,827	18	(2,242,871)	307,308	(830)
Allowance for funds used during construction	201,120	318,569	(37)	1,021,041	1,287,106	(21)
Other expense	(4,291)	0	0	(209,438)	(12,873)	1,527
Total other income (expenses)	(2,223,893)	(2,402,762)	(7)	(10,359,959)	(9,379,074)	10
Income (loss) before capital contributions	1,456,981	1,040,922	40	4,591,840	6,520,529	(30)
Capital contributions	0	0	0	4,795	11,488	(58)
Increase (decrease) in net assets	1,456,981	1,040,922	40	4,596,635	6,532,017	(30)
Total net assets at beginning of period (restated)	90,231,408	82,551,424	9	87,091,754	77,060,329	13
Total net assets at end of period	$ 91,688,389	$ 83,592,346	10	$ 91,688,389	$ 83,592,346	10

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows
Period Ended January 31, 2018

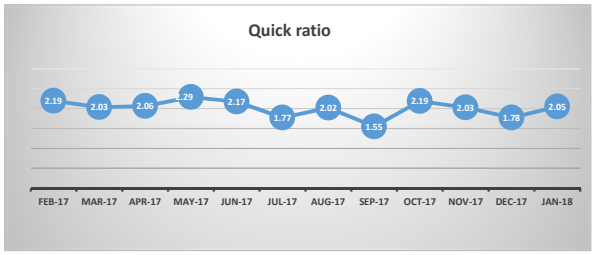
	Month Ended 1/31/2018	YTD Ended 1/31/2018
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	$ 31,046,334	$ 118,370,173
Cash payments to suppliers and employees for goods and services	26,052,536	137,721,090
Net cash provided by operating activities	$ 4,993,798	$ (19,350,917)
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	152,399	1,903,859
Net cash provided by investing activities	$ 152,399	$ 1,903,859
Cash flows from non-capital financing activities		
Interest paid on short term debt	(7,121)	(25,501)
Provision for self insurance funds	(593)	(2,352)
Net cash provided by noncapital financing activities	$ (7,714)	$ (27,853)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(1,612,540)	(6,915,515)
Principal paid on bonds and other long-term debt	-	(3,550,000)
Interest paid on bonds(net of capitalized interest)	201,120	(15,354,959)
Interest paid on capital lease obligations	(299,075)	(1,299,265)
Interest & principal funds held by trustee	(2,535,984)	8,076,212
Reserve funds held by trustee	(26,112)	70,714
Bond funds held by trustee	786,885	2,945,106
Principal payment on capital lease obligations	(1,845,021)	(7,775,325)
Grant from DOI/FEMA	-	4,795
Debt issuance costs/loss on defeasance	(354,771)	20,210,135
Net cash provided by (used in) capital and related financing activities	(5,685,498)	(3,588,102)
Net (decrease) increase in cash and cash equivalents	$ (547,016)	$ (21,063,013)
Cash and cash equivalents, beginning	112,063,892	132,579,889
Cash and cash equivalents-Funds held by GPA, January 31, 2018	**$ 111,516,876**	**$ 111,516,876**

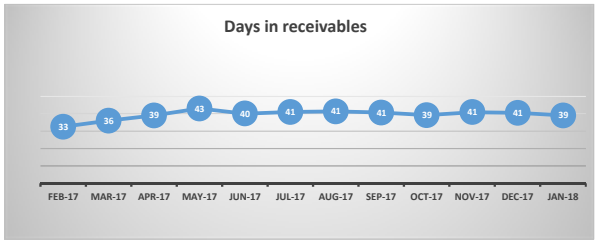
GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows, continued
Period Ended January 31, 2018

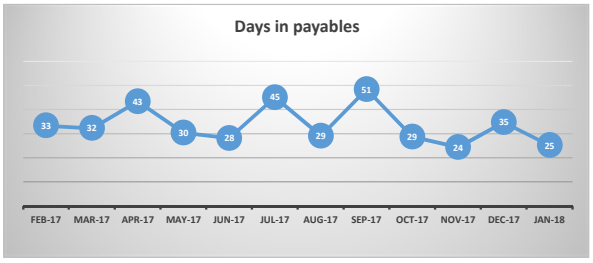
	Month Ended 1/31/2018	YTD Ended 1/31/2018
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	$ 3,680,874	$ 14,951,799
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	2,498,360	13,239,119
Other expense	86,748	(2,452,309)
(Increase) decrease in assets:		
Accounts receivable	1,281,615	(299,825)
Materials and inventory	72,941	(683,278)
Fuel inventory	11,067,629	8,491,314
Prepaid expenses	901,874	(6,018,580)
Unamortized debt issuance cost	23,006	1,574,521
Deferred fuel revenue	21,430	(24,934)
Unamortized loss on debt refunding	227,446	(17,850,900)
Unamortized forward delivery contract costs	13,280	53,120
Increase (decrease) in liabilities:		
Accounts payable-operations	(16,242,808)	(28,632,781)
Accounts payable-others	943,664	172,642
Accrued payroll and employees' benefits	727,749	40,876
Net pension liability	(247,763)	(1,752,919)
Employees' annual leave	(36,946)	83,906
Customers deposits	20,420	(54,271)
Customer advances for construction	2,947	6,256
Unearned forward delivery contract revenue	(48,668)	(194,673)
Net cash provided by operating activities	**$ 4,993,798**	**$ (19,350,917)**

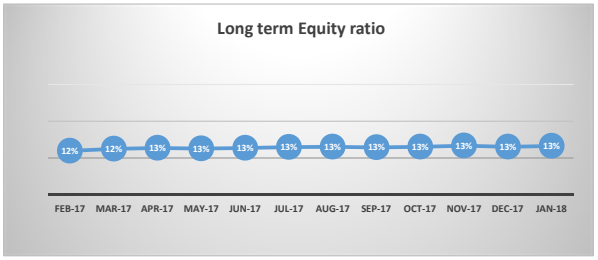
Guam Power Authority
Financial Analysis
January-18

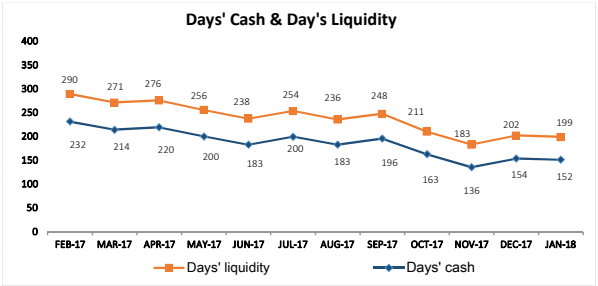
	Quick Ratio		
A	Reserve Funds Held by GPA		111,516,876
B	Current Accounts Receivable		37,301,711
C	Total Cash and A/R (A+B)		148,818,587
D	Total Current Liabilities		72,492,580
E	**Quick Ratio (F/G)**		**2.05**
	Days in Receivables		
A	FY 18 Moving 12 Mos.-Actual		348,156,079
B	No. of Days		365
C	Average Revenues per day (A/B)		953,852
D	Current Accounts Receivable		37,301,711
E	**Days in Receivables (D/C)**		**39**
	Days in Payables		
A	FY 18 Moving 12 Months-Actual		481,366,997
B	No. of Days		365
C	Average Payables per day (A/B)		1,318,814
D	Current Accounts Payables		33,269,501
E	**Days in Payables (D/C)**		**25**
	Long term equity ratio		
A	Equity	$	91,688,392.00
B	Total Long term Liability	$	598,232,594.00
C	Total Equity and liability	$	689,920,986.00
D	**Long term equity ratio (A/C)**		**13%**
	Days cash on hand		
A	Unrestricted cash & cash equivalents		111,517
B	No. of Days -YTD		123
C	A x B		13,716,576
D	Total Operating expenses excluding depreciatior		90,449
E	**Days cash on hand**		**152**
	Days' Liquidity		
A	Unrestricted cash , cash equivalents & revolvin		146,517
B	No. of Days -YTD		123
C	A x B		18,021,576
D	Total Operating expenses excluding depreciatior		90,449
E	**Days liquidity**		**199**











GPA 302
1/17/2018

GUAM POWER AUTHORITY
ACCRUED REVENUE
JANUARY 2018

	FOR THE MONTH ENDED JANUARY		FOUR MONTHS ENDED JANUARY	
	2018	2017	2018	2017
KWH SALES:				
Residential	42,067,765	39,423,550	170,444,561	163,722,333
Small Gen. Non Demand	6,844,713	6,647,367	27,928,173	27,329,122
Small Gen. Demand	15,562,774	15,535,910	62,992,803	63,115,400
Large General	26,242,185	26,550,140	106,578,875	105,729,874
Independent Power Producer	27,011	92,493	253,218	366,402
Private St. Lights	32,358	36,736	136,380	178,289
Sub-total	90,776,805	88,286,197	368,334,010	360,441,419
Government Service:				
Small Non Demand	1,248,251	1,079,470	5,027,020	4,521,518
Small Demand	8,102,981	7,897,069	32,548,722	32,884,608
Large	6,315,619	6,032,854	26,096,751	24,768,168
Street Lighting	716,067	539,658	2,895,401	3,428,648
Sub-total	16,382,918	15,549,052	66,567,894	65,602,943
Total	107,159,724	103,835,249	434,901,904	426,044,362
U. S. Navy	26,722,147	27,625,278	106,873,123	106,905,672
GRAND TOTAL	133,881,870	131,460,526	541,775,027	532,950,034
REVENUE:				
Residential	$ 8,985,179	$ 7,213,121	$ 36,406,597	$ 29,969,170
Small Gen. Non Demand	$ 1,741,922	$ 1,468,355	$ 7,089,289	$ 6,110,688
Small Gen. Demand	$ 3,714,258	$ 3,200,532	$ 14,940,996	$ 13,035,029
Large General	$ 5,762,313	$ 4,998,015	$ 23,425,246	$ 20,032,017
Independent Power Producer	$ 6,029	$ 18,807	$ 55,075	$ 73,836
Private St. Lights	$ 25,133	$ 25,546	$ 101,407	$ 106,825
Sub-total	$ 20,234,834	$ 16,924,376	$ 82,018,610	$ 69,327,566
Government Service:				
Small Non Demand	$ 332,434	$ 258,411	$ 1,341,892	$ 1,080,282
Small Demand	$ 2,016,922	$ 1,746,554	$ 8,174,415	$ 7,253,263
Large	$ 1,525,771	$ 1,286,951	$ 6,309,010	$ 5,280,268
Street Lighting	$ 427,482	$ 351,576	$ 1,709,235	$ 1,849,680
Sub-total	$ 4,302,609	$ 3,643,492	$ 17,534,551	$ 15,463,492
Total	$ 24,537,443	$ 20,567,868	$ 99,553,161	$ 84,791,058
U. S. Navy	$ 5,033,103	$ 4,519,844	$ 18,781,192	$ 16,461,272
GRAND TOTAL	$ 29,570,546	$ 25,087,712	$ 118,334,353	$ 101,252,330
NUMBER OF CUSTOMERS:				
Residential	44,119	43,710	43,991	43,419
Small Gen. Non Demand	4,142	4,127	4,134	4,094
Small Gen. Demand	981	994	982	992
Large General	119	116	118	115
Independent Power Producer	2	3	529	3
Private St. Lights	527	525	3	527
Sub-total	49,890	49,475	49,756	49,151
Government Service:				
Small Non Demand	686	684	680	689
Small Demand	350	347	351	344
Large	47	45	47	45
Street Lighting	389	211	381	168
Sub-total	1,472	1,287	1,458	1,246
Total	51,362	50,762	51,214	50,397
US Navy	1	1	1	1
GRAND TOTAL	51,363	50,763	51,215	50,398

GPA403
21-Feb-18

GUAM POWER AUTHORITY
ACCRUED REVENUE

	TWELVE MONTHS ENDING	JANUARY 2018	DECEMBER 2017	NOVEMBER 2017	OCTOBER 2017	SEPTEMBER 2017	AUGUST 2017	JULY 2017	JUNE 2017	MAY 2017	APRIL 2017	MARCH 2017	FEBRUARY 2017
KWH SALES:													
Residential	513,057,830	42,067,765	43,307,944	43,386,853	41,682,000	41,491,015	44,434,719	45,094,364	45,699,553	46,940,445	42,105,054	40,911,781	35,936,337
Small General Non Demand	84,498,751	6,844,713	6,956,278	7,060,041	7,067,142	7,022,092	7,347,440	7,087,373	7,546,692	7,375,238	6,926,353	6,767,505	6,497,885
Small General Demand	189,928,328	15,562,774	15,848,505	15,789,397	15,792,127	15,509,408	16,488,257	15,839,125	16,853,701	16,415,592	15,638,177	16,300,307	13,890,958
Large General	315,422,232	26,242,185	27,485,887	26,267,661	26,583,141	25,432,034	27,038,013	27,119,633	26,399,095	27,209,329	25,771,823	26,173,462	23,699,969
Private Outdoor Lighting	450,499	32,358	35,129	35,042	33,851	76,532	33,324	35,412	36,199	31,956	34,275	34,097	32,325
Independent Power Producer	848,639	27,011	40,140	93,823	92,244	34,586	57,754	82,800	93,447	97,039	78,158	83,841	67,797
Sub-Total	**1,104,206,279**	**90,776,805**	**93,673,883**	**92,632,817**	**91,250,505**	**89,565,666**	**95,399,508**	**95,258,706**	**96,628,687**	**98,069,599**	**90,553,840**	**90,270,993**	**80,125,270**
Government Service:													
Small Non Demand	14,407,748	1,248,251	1,272,026	1,255,131	1,251,612	1,246,106	1,243,487	1,254,979	1,154,625	1,242,514	1,118,738	1,123,675	996,603
Small Demand	96,542,716	8,102,981	8,063,549	8,098,974	8,283,218	8,084,368	8,147,386	7,962,644	7,847,651	8,507,100	7,890,703	8,171,598	7,382,544
Large	76,226,551	6,315,619	6,812,255	6,550,623	6,418,254	6,493,449	6,520,699	6,219,351	6,043,966	6,712,069	6,145,212	6,340,287	5,654,767
Street Lighting (Agencies)	8,981,359	716,067	697,921	668,464	812,949	697,002	877,130	638,971	843,815	771,506	720,057	829,968	707,509
Sub-Total	**196,158,374**	**16,382,918**	**16,845,750**	**16,573,193**	**16,766,033**	**16,520,925**	**16,788,702**	**16,075,944**	**15,890,058**	**17,233,190**	**15,874,710**	**16,465,529**	**14,741,423**
Total	**1,300,364,653**	**107,159,724**	**110,519,633**	**109,206,010**	**108,016,537**	**106,086,591**	**112,188,210**	**111,334,651**	**112,518,745**	**115,302,789**	**106,428,550**	**106,736,522**	**94,866,692**
U.S. Navy	318,553,352	26,722,147	28,067,673	26,837,883	25,245,420	26,906,320	26,608,721	27,892,205	25,258,344	27,710,121	26,158,807	28,394,970	22,750,741
Grand Total	**1,618,918,005**	**133,881,870**	**138,587,306**	**136,043,893**	**133,261,957**	**132,992,911**	**138,796,930**	**139,226,856**	**137,777,089**	**143,012,910**	**132,587,357**	**135,131,492**	**117,617,433**
REVENUE:													
Residential	107,039,405	8,985,179	9,238,911	9,263,463	8,919,044	8,887,320	9,762,810	9,056,344	9,109,920	9,464,539	8,447,732	8,255,658	7,648,484
Small General Non Demand	21,019,333	1,741,922	1,765,223	1,789,263	1,792,881	1,783,997	1,902,660	1,709,931	1,790,832	1,782,557	1,661,818	1,647,869	1,650,380
Small General Demand	43,975,484	3,714,258	3,769,415	3,699,298	3,758,026	3,692,273	3,964,157	3,527,191	3,704,661	3,828,208	3,333,389	3,674,304	3,310,305
Large General	67,571,289	5,762,313	6,067,740	5,793,817	5,801,375	5,643,059	6,028,539	5,589,484	5,443,855	5,621,797	5,382,999	5,370,285	5,066,026
Private Outdoor Lighting	301,538	25,133	25,553	25,471	25,250	25,361	25,094	25,099	25,329	24,432	25,014	25,012	24,793
Independent Power Producer	192,270	6,029	9,249	20,053	19,744	17,076	14,804	17,270	19,157	20,386	16,006	17,451	15,045
Sub-Total	**240,099,319**	**20,234,834**	**20,876,091**	**20,591,366**	**20,316,320**	**20,049,087**	**21,698,063**	**19,925,320**	**20,093,753**	**20,741,919**	**18,866,957**	**18,990,578**	**17,715,032**
Government Service:													
Small Non Demand	3,774,619	332,434	341,017	334,963	333,478	333,079	332,325	319,135	297,031	313,817	289,279	289,226	258,835
Small Demand	23,751,230	2,016,922	2,046,340	2,043,720	2,067,433	2,050,292	2,052,253	1,907,628	1,885,990	1,985,615	1,919,140	1,956,670	1,819,228
Large	18,008,107	1,525,771	1,652,805	1,583,988	1,546,446	1,575,080	1,573,445	1,424,292	1,393,449	1,572,201	1,374,482	1,454,690	1,331,459
Street Lighting (Agencies)	5,298,251	427,482	416,951	419,351	445,451	436,808	516,047	418,012	451,933	439,403	431,759	447,332	447,721
Sub-Total	**50,832,206**	**4,302,609**	**4,457,113**	**4,382,022**	**4,392,807**	**4,395,259**	**4,474,070**	**4,069,066**	**4,028,403**	**4,311,036**	**4,014,660**	**4,147,918**	**3,857,244**
Total	**290,931,526**	**24,537,443**	**25,333,204**	**24,973,388**	**24,709,127**	**24,444,346**	**26,172,133**	**23,994,386**	**24,122,156**	**25,052,955**	**22,881,617**	**23,138,496**	**21,572,276**
U.S. Navy	57,224,553	5,033,103	4,642,130	4,254,065	4,851,893	5,325,383	5,019,382	5,331,702	4,458,411	5,160,265	4,283,028	5,232,508	3,632,683
Grand Total	**348,156,079**	**29,570,546**	**29,975,334**	**29,227,453**	**29,561,020**	**29,769,728**	**31,191,516**	**29,326,087**	**28,580,567**	**30,213,220**	**27,164,645**	**28,371,004**	**25,204,958**
NUMBER OF CUSTOMERS:													
Residential	43,889	44,119	43,898	43,996	43,950	43,991	43,969	43,866	43,902	43,803	43,807	43,718	43,647
Small General Non Demand	4,132	4,142	4,129	4,131	4,134	4,127	4,134	4,131	4,145	4,130	4,137	4,128	4,119
Small General Demand	985	981	981	982	982	980	981	984	988	988	988	989	992
Large General	117	119	118	117	119	116	115	116	116	117	115	116	116
Private Outdoor Lighting	528	527	530	527	530	526	527	526	527	530	528	528	527
Independent Power Producer	3	2	3	3	3	3	3	3	3	4	4	3	4
Sub-Total	**49,653**	**49,890**	**49,659**	**49,756**	**49,718**	**49,743**	**49,729**	**49,626**	**49,681**	**49,572**	**49,579**	**49,482**	**49,405**
Government Service:													
Small Non Demand	680	686	679	678	676	675	678	678	677	684	684	684	682
Small Demand	350	350	350	354	351	353	351	352	349	346	347	348	347
Large	46	47	47	47	46	45	45	45	45	45	45	45	45
Street Lighting (Agencies)	320	389	378	378	377	297	297	297	297	293	290	272	271
Sub-Total	**1,395**	**1,472**	**1,454**	**1,457**	**1,450**	**1,370**	**1,371**	**1,372**	**1,368**	**1,368**	**1,366**	**1,349**	**1,345**
Total	**51,049**	**51,362**	**51,113**	**51,213**	**51,168**	**51,113**	**51,100**	**50,998**	**51,049**	**50,940**	**50,945**	**50,831**	**50,750**
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	**51,050**	**51,363**	**51,114**	**51,214**	**51,169**	**51,114**	**51,101**	**50,999**	**51,050**	**50,941**	**50,946**	**50,832**	**50,751**

GPA303

GUAM POWER AUTHORITY
ACCRUED REVENUE
JANUARY 2018

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE AMOUNT	TOTAL REVENUE C/KWH	BASE RATE REVENUE C/KWH	BASE RATE REVENUE AMOUNT	AVERAGE PER CUSTOMER KWH	AVERAGE PER CUSTOMER REVENUE	NON-FUEL C/KWH	NON-FUEL AMOUNT	OIL C/KWH	OIL AMOUNT
Month												
R Residential	44,119	42,067,765	8,985,179	21.36	21.3588	8,985,179	954	204	9.5870	4,033,046	11.7718	4,952,133
G Small Gen. Non Demand	4,142	6,844,713	1,741,922	25.45	25.4492	1,741,922	1,653	421	13.6774	936,176	11.7718	805,746
J Small Gen. Demand	981	15,562,774	3,714,258	23.87	23.8663	3,714,258	15,864	3,786	12.0986	1,882,875	11.7677	*1,831,383*
P Large General	119	26,242,185	5,762,313	21.96	21.9582	5,762,313	220,523	48,423	10.2474	2,689,144	11.7108	*3,073,169*
I Independent Power Producer	2	27,011	6,029	22.32	22.3198	6,029	13,506	3,014	10.9730	2,964	11.3468	*3,065*
H Private St. Lights	527	32,358	25,133	77.67	77.6714	25,133	61	48	65.8996	21,324	11.7718	3,809
Sub-Total	**49,890**	**90,776,805**	**20,234,834**	**22.29**	**22.2908**	**20,234,834**	**252,560**	**55,895**	**10.5374**	**9,565,529**	**11.7533**	**10,669,305**
Government Service:												
S Small Non Demand	686	1,248,251	332,434	26.63	26.6320	332,434	1,820	485	14.8602	185,492	11.7718	146,942
K Small Demand	350	8,102,981	2,016,922	24.89	24.8911	2,016,922	23,151	5,763	13.1193	1,063,056	11.7718	953,867
L Large	47	6,315,619	1,525,771	24.16	24.1587	1,525,771	134,375	32,463	12.5355	791,693	11.6232	*734,077*
F Street Lighting (Agencies)	389	716,067	427,482	59.70	59.6986	427,482	1,841	1,099	47.9268	343,188	11.7718	84,294
Sub-Total	**1,472**	**16,382,918**	**4,302,609**	**26.26**	**26.2628**	**4,302,609**	**161,187**	**39,809**	**14.5483**	**2,383,429**	**11.7145**	**1,919,180**
	51,362	**107,159,724**	**24,537,443**	**22.90**	**22.8980**	**24,537,443**	**413,746**	**95,705**	**11.1506**	**11,948,958**	**11.7474**	**12,588,485**
U.S. Navy	1	26,722,147	5,033,103	18.83	18.8350	5,033,103			5.9813	1,598,334	12.8536	3,434,770
TOTAL	**51,363**	**133,881,870**	**29,570,546**	**22.09**	**22.0870**	**29,570,546**	**2,607**	**575.72**	**10.1188**	**13,547,291**	**11.9682**	**16,023,254**
Four Months Ended January 2018												
R Residential	43,991	170,444,561	36,406,597	21.36	21.36	36,406,597	3,875	828	9.5880	16,342,204	11.7718	20,064,393
G Small Gen. Non Demand	4,134	27,928,173	7,089,289	25.38	25.38	7,089,289	6,756	1,715	13.6122	3,801,641	11.7718	3,287,649
J Small Gen. Demand	982	62,992,803	14,940,996	23.72	23.72	14,940,996	64,180	15,223	11.9507	7,528,091	11.7679	7,412,905
P Large General	118	106,578,875	23,425,246	21.98	21.98	23,425,246	901,301	198,099	10.2670	10,942,404	11.7123	12,482,842
I Independent Power Producer	529	253,218	55,075	21.75	21.75	55,075	479	104	10.3737	26,268	11.3763	28,807
H Private St. Lights	3	136,380	101,407	74.36	74.36	101,407	49,593	36,875	62.5845	85,352	11.7718	16,054
Sub-Total	**49,756**	**368,334,010**	**82,018,610**	**22.27**	**22.27**	**82,018,610**	**7,403**	**1,648**	**10.5138**	**38,725,960**	**11.7536**	**43,292,650**
Government Service:												
S Small Non Demand	680	5,027,020	1,341,892	26.69	26.69	1,341,892	7,395	1,974	14.9218	750,121	11.7718	591,771
K Small Demand	351	32,548,722	8,174,415	25.11	25.11	8,174,415	92,665	23,272	13.3426	4,342,844	11.7718	3,831,570
L Large	47	26,096,751	6,309,010	24.18	24.18	6,309,010	558,219	134,952	12.5467	3,274,285	11.6287	3,034,725
F Street Lighting (Agencies)	381	2,895,401	1,709,235	59.03	59.03	1,709,235	7,609	4,492	47.2609	1,368,394	11.7718	340,841
Sub-Total	**1,458**	**66,567,894**	**17,534,551**	**26.34**	**26.34**	**17,534,551**	**45,649**	**12,024**	**14.6251**	**9,735,644**	**11.7157**	**7,798,907**
U.S. Navy	1	106,873,123	18,781,192	17.57	17.57	18,781,192			6.0755	6,493,050	11.4979	12,288,141
TOTAL	**51,215**	**541,775,027**	**118,334,353**	**21.84**	**21.84**	**118,334,353**	**10,578**	**2,311**	**10.1434**	**54,954,655**	**11.6985**	**63,379,698**
Twelve Months Ended January 2018												
R Residential	43,889	513,057,830	107,039,405	20.86	20.86	107,039,405	11,690	2,439	9.6059	49,284,021	11.2571	57,755,384
G Small Gen. Non Demand	4,132	84,498,751	21,019,333	24.88	24.88	21,019,333	20,449	5,087	13.6159	11,505,244	11.2594	9,514,089
J Small Gen. Demand	985	189,928,328	43,975,484	23.15	23.15	43,975,484	192,886	44,660	11.9176	22,634,885	11.2361	21,340,599
P Large General	117	315,422,232	67,571,289	21.42	21.42	67,571,289	2,703,619	579,182	10.3114	32,524,605	11.1110	35,046,684
I Independent Power Producer	3	848,639	192,270	22.66	22.66	192,270	267,991	60,717	11.4450	97,127	11.2113	95,143
H Private St. Lights	528	450,499	301,538	66.93	66.93	301,538	854	571	56.8330	256,032	10.1014	45,507
Sub-Total	**49,653**	**1,104,206,279**	**240,099,319**	**21.74**	**21.74**	**240,099,319**	**22,238**	**4,836**	**10.5326**	**116,301,913**	**11.2114**	**123,797,406**
Government Service:												
S Small Non Demand	680	14,407,748	3,774,619	26.20	26.20	3,774,619	21,196	5,553	15.0326	2,165,858	11.1659	1,608,761
K Small Demand	350	96,542,716	23,751,230	24.60	24.60	23,751,230	275,968	67,893	13.4567	12,991,419	11.1451	10,759,811
L Large	46	76,226,551	18,008,107	23.62	23.62	18,008,107	1,672,246	395,059	12.6033	9,607,030	11.0212	8,401,076
F Street Lighting (Agencies)	320	8,981,359	5,298,251	58.99	58.99	5,298,251	28,096	16,574	47.8562	4,298,134	11.1355	1,000,116
Sub-Total	**1,395**	**196,158,374**	**50,832,206**	**25.91**	**25.91**	**50,832,206**	**140,632**	**36,443**	**14.8158**	**29,062,442**	**11.0981**	**21,769,765**
	51,048	**1,300,364,653**	**290,931,526**	**22.37**	**22.37**	**290,931,526**	**25,473**	**41,279**	**11.1787**	**145,364,354**	**11.1943**	**145,567,171**
U.S. Navy	1	318,553,352	57,224,553	17.96	17.96	57,224,553			6.2784	19,999,992	11.6855	37,224,561
TOTAL	**51,049**	**1,618,918,005**	**348,156,079**	**21.51**	**21.51**	**348,156,079**	**31,713**	**6,820**	**10.2145**	**165,364,346**	**11.2910**	**182,791,733**

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

318Jan18 **FY 2018 Versus FY 2017**

	January 2018		January 2017		Y T D 2018		Y T D 2017		MOVING TWELVE MONTHS	
Gross Generation										
Number of days in Period	**31**		**31**		**123**		**31**		**365**	
Peak demand	**246**		**234**		**254**		**252**		**261**	
Date	**01/23/18**		**01/30/17**		**10/30/17**		**11/29/16**		**08/01/17**	
	KWH	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	74,611,000		65,260,000		257,815,000		269,778,000		683,030,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	28,815,900		29,270,900		107,625,600		112,567,300		314,692,000	
MEC (ENRON) Piti 9 (IPP)	25,754,800		27,775,900		113,025,200		106,265,100		314,822,400	
TEMES Piti 7 (IPP)	72,887		680,918		5,383,752		1,935,294		50,429,826	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:							0			
MDI 10MW	0		492,098		21,414		1,528,492		750,549	
NRG Solar Dandan	4,083,783		3,479,235		14,680,379		13,841,514		44,029,667	
Dededo CT #1	0		0		384,400		0		7,507,700	
Dededo CT #2	0		0		77,300		0		5,909,892	
Macheche CT	1,907,232		2,475,218		14,835,702		5,069,243		65,334,016	
Yigo CT (Leased)	1,690,070		2,354,722		11,177,196		11,964,408		40,588,735	
Tenjo	2,459,640		2,713,870		13,064,170		8,062,820		50,458,830	
Talofofo 10 MW	1,183,650		922,320		3,626,880		2,600,030		19,798,240	
Aggreko	6,954,678		7,460,478		52,405,947		50,563,941		175,288,546	
Wind Turbine*	37,987		67,778		140,790		222,645		305,339	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	147,571,628		**142,953,437**		**594,263,730**		**584,398,786**		**1,772,945,741**	
Ratio to last year		103.23		103.81		101.69		**102.77**		**102.09**
Station use	6,012,924		5,897,398		22,868,264		23,519,469		65,243,790	
Ratio to Gross generation		4.07		4.13		3.85		4.02		**3.68**
Net send out	141,558,704		137,056,039		571,395,466		560,879,316		1,707,701,951	
Ratio to last year		103.29		103.92		101.87		**103.01**		**102.11**
KWH deliveries:										
Sales to Navy (@34.5kv)	**26,722,147**		**27,625,278**		**106,873,123**		**106,905,673**		**318,553,353**	
Ratio to last year		96.73		105.31		99.97		**100.34**		**100.03**
GPA-metered	**114,836,557**		**109,430,761**		**464,522,343**		**453,973,643**		**1,389,148,598**	
Ratio to last year		104.94		103.58		102.32		**103.66**		**102.60**
Power factor adj.	0		0		0		0		0	
Adjusted	114,836,557		109,430,761		464,522,343		453,973,643		1,389,148,598	
GPA KWH Accountability:										
Sales to civilian customers-accrual basis	**107,159,724**		**103,835,249**		**434,901,904**		**426,044,362**		**1,300,364,654**	
Ratio to last year		103.20		104.85		102.08		**103.95**		**102.20**
GPA use-KWH	349,269		256,652		1,214,262		1,032,845		3,325,654	
Unaccounted For	7,327,563		5,338,859		28,406,178		26,896,436		85,458,290	
Ratio to deliveries		6.38		4.88		6.12		5.92		6.15
Ratio to Gross Generation		4.97		3.73		4.78		4.60		4.82
Ratio to Net Send Out		5.18		3.90		4.97		4.80		5.00

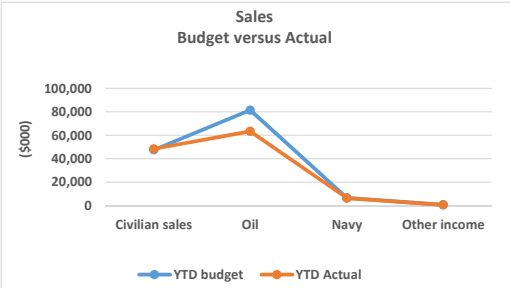
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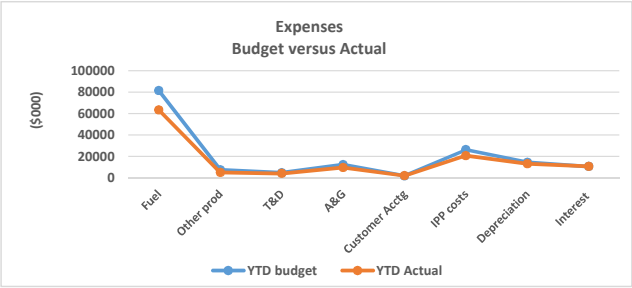
Guam Power Authority
Fuel Consumption
FY 2018

Description	January 2018 BARRELS	January 2018 AMOUNT	YEAR-TO-DATE BARRELS	YEAR-TO-DATE AMOUNT	MOVING 12 MONTHS BARREL S	MOVING 12 MONTHS AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	0	0	0
	0	**0**	**0**	**0**	**0**	**0**
GPA:						
RFO	191,432	$12,284,752	651,918	$ 39,111,430	1,532,340	$ 89,050,762
Diesel	27,718	$2,349,454	196,935	$ 15,507,425	840,739	$ 62,221,875
Low Sulfur	3,338	$199,611	66,680	$ 4,092,033	459,236	$ 27,024,307
Deferred Fuel Costs	0	$21,430	0	$ (24,934)	0	$ (11,460,488)
Fuel Adjustments	0	$0		$ (9,121)	0	$ (212,502)
Fuel Handling Costs	0	$1,181,087	0	$ 4,702,867	0	$ 16,167,741
	222,489	**$16,036,335**	**915,533**	**$ 63,379,700**	**2,832,315**	**$ 182,791,695**
IWPS:						
GPA RFO	191,432	$12,284,752	651,918	$ 39,111,430	1,532,340	$ 89,050,762
Diesel	27,718	$2,349,454	196,935	$ 15,507,425	840,739	$ 62,221,875
Low Sulfur	3,338	$199,611	66,680	$ 4,092,033	459,236	$ 27,024,307
Deferred Fuel Costs	0	$21,430	0	$ (24,934)	0	$ (11,460,488)
Fuel Variance	0	$0	0	$ (9,121)		$ (212,502)
Fuel Handling Costs	0	$1,181,087	0	$ 4,702,867	0	$ 16,167,741
	222,489	**$16,036,335**	**915,533**	**$ 63,379,700**	**2,832,315**	**$ 182,791,695**
AVERAGE COST/Bbl.						
GPA RFO		**$64.17**		**$59.99**		**$58.11**
Diesel		**$84.76**		**$78.74**		**$74.01**
Low Sulfur		**$59.79**		**$61.37**		**$58.85**
AS BURNED						
Cabras 1 & 2						
RFO	118,736	$ 7,611,299	378,228	$ 22,773,382	960,377	$ 55,840,495
Low Sulfur	2,381	$ 140,741	42,401	$ 2,599,780	184,304	$ 10,839,065
Diesel	103	$ 4,968	361	$ 24,164	2,863	$ 191,025
	121,220	$ 7,757,008	420,990	$ 25,397,326	1,147,543	$ 66,870,585
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	72,696	$ 4,673,453	273,690	$ 16,338,048	571,964	$ 33,210,267
Low Sulfur	958	$ 58,870	24,279	$ 1,492,253	274,932	$ 16,185,241
Diesel	38	$ 2,127	38	$ 2,127	77	$ 4,322
	73,692	$ 4,734,450	298,007	$ 17,832,428	846,973	$ 49,399,830
Diesel & CT's - GPA:						
MDI Dsl	0	$ -	31	$ 2,013	1,190	$ 79,109
Macheche CT	4,450	$ 362,467	32,195	$ 2,495,915	142,016	$ 10,502,228
Yigo CT	3,784	$ 320,559	22,959	$ 1,819,936	83,820	$ 6,217,247
Talofofo 10 MW	2,064	$ 176,130	6,237	$ 505,781	33,568	$ 2,482,876
Aggreko	12,845	$ 1,100,998	96,046	$ 7,551,161	318,755	$ 23,581,962
Tenjo	4,153	$ 360,411	22,394	$ 1,834,211	87,675	$ 6,701,952
TEMES (IPP)	241	$ 17,792	14,901	$ 1,125,753	128,276	$ 9,346,331
GWA Generators	22	$ 2,562	262	$ 30,766	696	$ 81,950
	27,578	$ 2,342,359	196,537	$ 15,481,134	837,798	$ 62,026,529
Deferred Fuel Costs	0	$ 21,430		$ (24,934)		$ (11,460,488)
Adjustment		$ -		$ (9,121)		$ (212,502)
Fuel Handling Costs	0	$ 1,181,087		$ 4,702,867		$ 16,167,741
TOTAL	**222,489**	**$ 16,036,335**	**915,533**	**$ 63,379,700**	**2,832,315**	**$ 182,791,695**

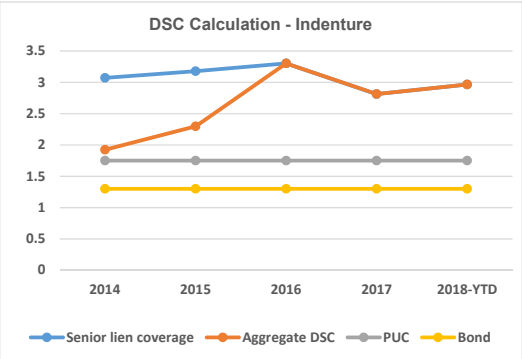
Statement of operations
Comparison-Budget versus Actual
For the month and year to date ended January 31, 2018

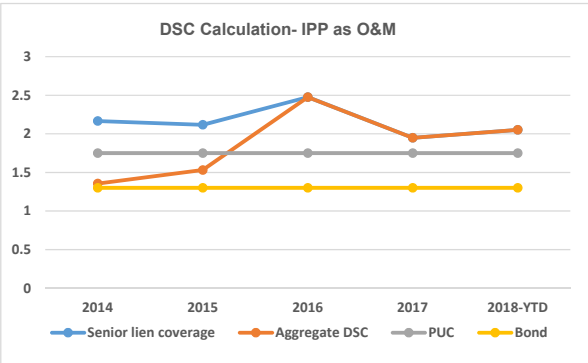
	Budget	Actual January-18	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	102,631	107,160	-4,529	424,766	434,921	-10,155
Non-fuel yield	$ 0.105945	$ 0.111506	$ (0.005561)	$ 0.111812	$ 0.111427	$ 0.000385
KwH Sales-Navy	26,080	26,722	-642	105,920	106,462	-542
Non-fuel yield	$ 0.061774	$ 0.059801	$ 0.001973	$ 0.061774	$ 0.060980	$ 0.000795
Operating revenue						
Civilian sales	$ 11,503	$ 11,949	$ (446)	$ 47,494	$ 48,462	$ (968)
Oil	19,774	16,023	3,751	81,531	63,379	18,152
Navy	1,611	1,598	13	6,543	6,492	51
Other income	169	245	(75)	677	652	25
	$ 33,057	$ 29,815	$ 3,243	$ 136,244	$ 118,985	$ 17,260
Bad debts expense	87	87	0	346	346	0
Total operating revenues	$ 32,971	$ 29,728	$ 3,243	$ 135,898	$ 118,638	$ 17,260
Operating expenses:						
Production fuel	$ 19,774	$ 16,036	$ 3,738	$ 81,531	$ 63,380	$ 18,151
O & M expenses:						
Other production	2,022	1,624	398	7,576	5,150	2,426
Transmission distribution	1,400	1,179	220	4,716	4,139	576
Administrative expense	3,016	2,910	106	12,453	9,771	2,682
Customer accounting	477	405	72	1,561	1,672	(111)
	$ 6,915	$ 6,118	$ 797	$ 26,305	$ 20,732	$ 5,573
IPP costs	1,383	1,395	(12)	6,289	6,337	(49)
Depreciation	3,635	2,498	1,137	14,540	13,239	1,301
	$ 31,707	$ 26,048	$ 5,660	$ 128,664	$ 103,688	$ 24,976
Operating income	$ 1,264	$ 3,680	$ (2,417)	$ 7,234	$ 14,950	$ (7,717)
Other revenue (expenses):						
Investment income	99	152	(54)	395	1,904	(1,509)
Interest expense	(2,654)	(2,664)	10	(10,625)	(10,833)	208
AFUDC	61	201	(140)	243	1,021	(778)
Bond issuance costs/Other expen	135	87	48	538	(2,452)	2,991
Net income before capital contributic	$ (1,096)	$ 1,456	$ (2,554)	$ (2,214)	$ 4,590	$ (6,806)
Grants from the U.S. Government	-	-	-	-	5	(5)
Increase (decrease) in net assets	$ (1,096)	$ 1,456	$ (2,554)	$ (2,214)	$ 4,595	$ (6,811)





Guam Power Authority Debt service coverage January 31, 2018	2014	2015	2016	2017	YTD 1/31/2018
Operating revenues					
Sales	434,462	366,185	306,896	331,071	118,333
Miscellaneous	2,156	4,775	2,294	2,245	652
Total revenues	436,618	370,960	309,190	333,316	118,985
Bad debts expense	178	959	990	472	346
Total operating revenues	436,440	370,001	308,200	332,844	118,638
Operating expenses					
Production fuel	271,175	204,136	146,340	166,425	63,380
Other production	19,305	20,079	15,789	17,784	5,150
Energy conversion costs	20,632	18,404	16,800	19,935	6,337
Transmission and distribution	12,950	11,170	10,721	11,704	4,139
Customer accounting	3,821	3,780	4,502	4,284	1,672
Admin and General	28,393	21,908	28,846	26,798	9,771
Total Expenses	356,276	279,477	222,998	246,930	90,449
Operating income	80,164	90,524	85,202	85,914	28,190
Interest/Other income (expenses)	157	256	(1,188)	(32)	1,694
Debt service and lease payments					
IPP lease payments	23,084	26,622	20,790	20,796	6,719
Capital lease payments-Aggreko	-	-	-	5,609	2,493
2017 bonds	-	-	-	-	688
2014 bonds	-	-	10	5,084	1,695
2012 bonds	17,455	17,096	17,098	17,449	5,695
2010 senior bonds	7,999	7,999	7,999	7,999	2,000
2010 subordinate	15,193	9,605	-	-	-
Total Debt service-bonds	40,647	34,700	25,106	30,532	10,078
Total Debt service and capital lease	63,731	61,322	45,896	56,937	19,290
Debt service coverage (DSC) calculation-indenture					
Senior lien coverage	3.16	3.62	3.35	2.81	2.97
Aggregate debt service coverage	1.98	2.62	3.35	2.81	2.97
Debt service coverage (DSC) calculation-IPP as O&M					
Senior lien coverage	2.55	2.56	2.52	1.95	2.05
Aggregate debt service coverage	1.41	1.85	2.52	1.95	2.05

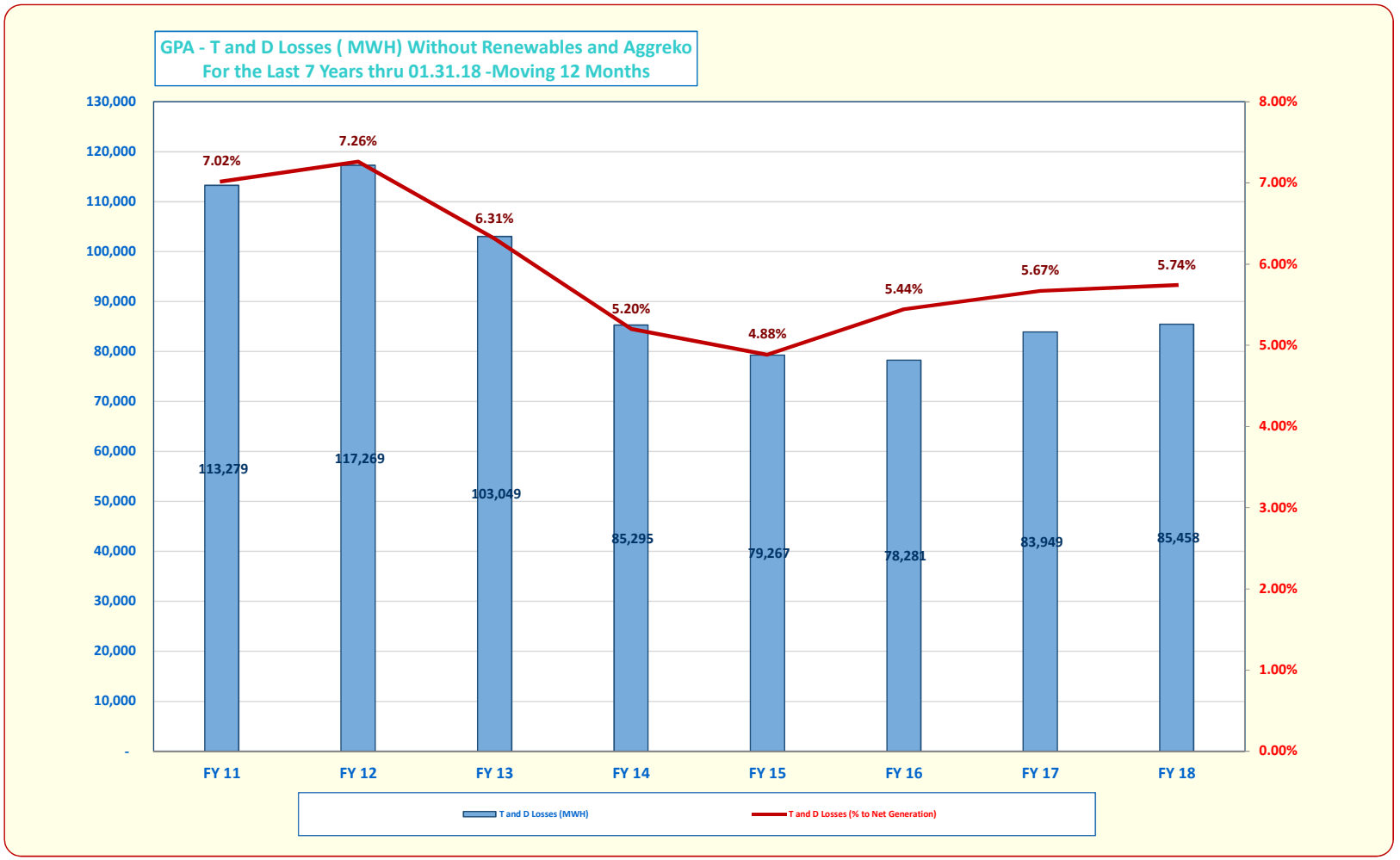


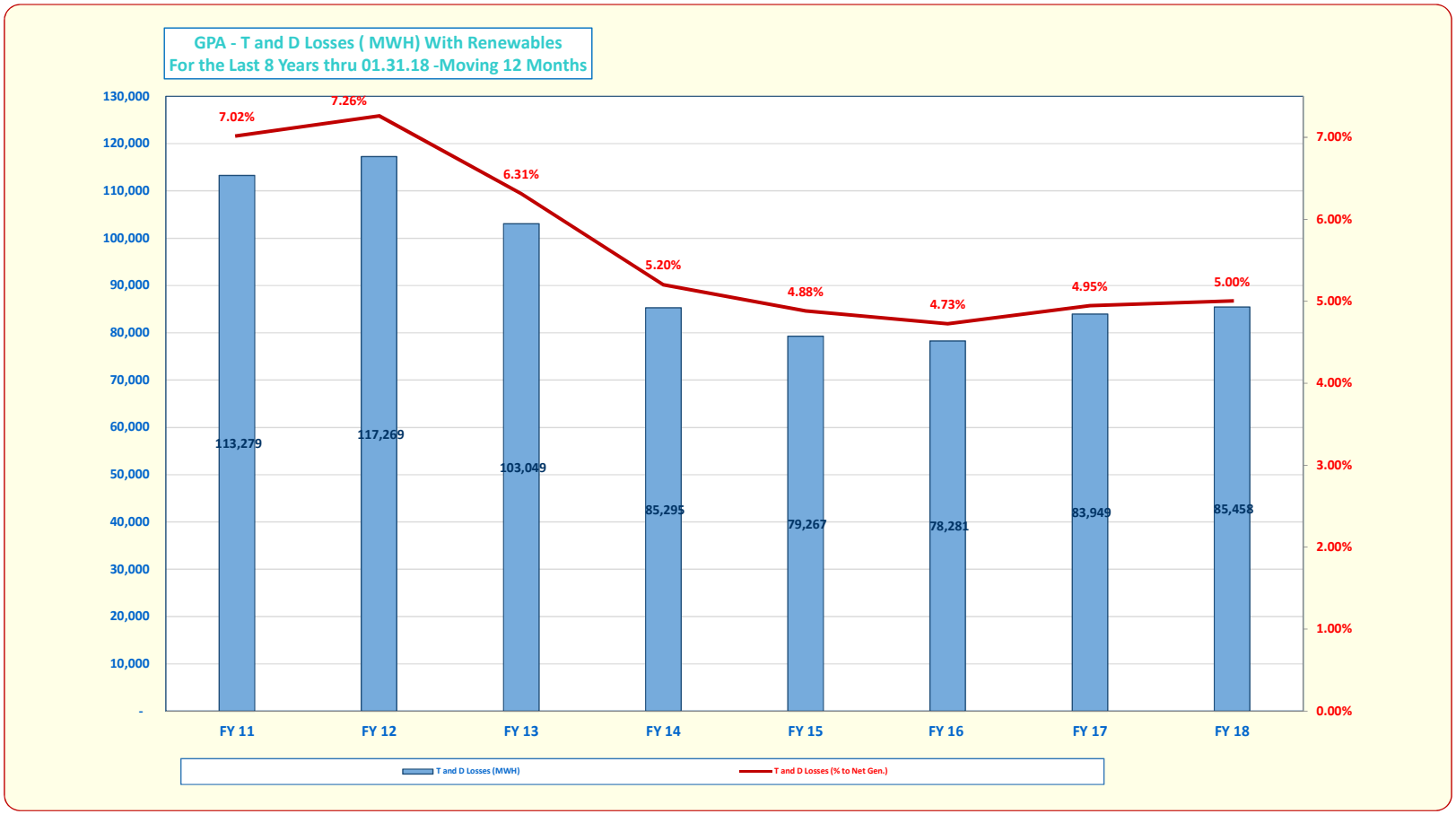


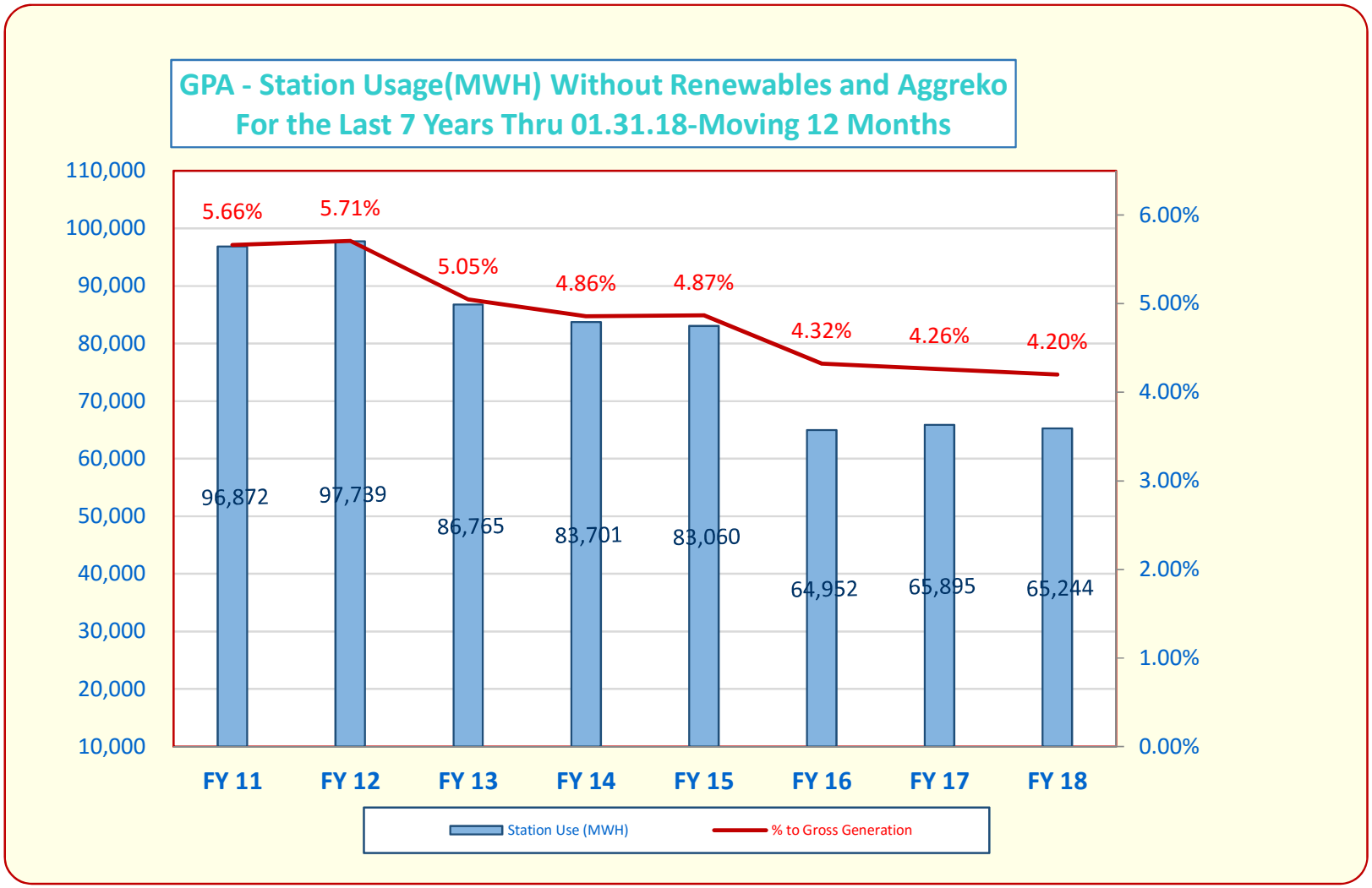
REVENUES-ACTUAL VS PROJECTIONS

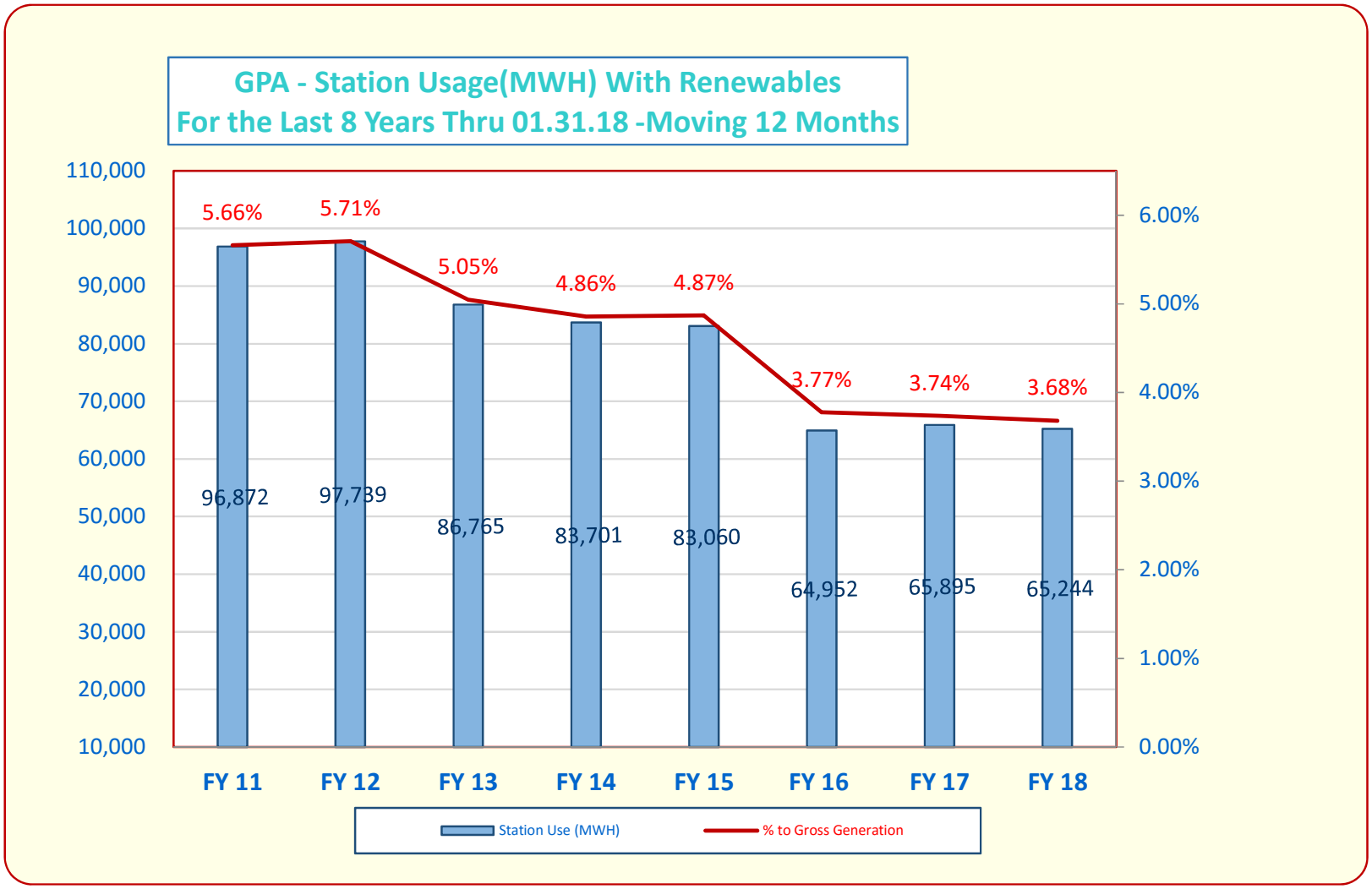
	MONTHLY - JANUARY 2018				YTD THRU 01/31/2018			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	38,158,283	42,067,765	3,909,482	10.25%	163,442,876	170,444,561	7,001,686	4.28%
Small General-Non-Demand	6,772,016	6,844,713	72,697	1.07%	27,474,180	27,928,173	453,994	1.65%
Small General-Demand	15,236,120	15,562,774	326,654	2.14%	62,851,847	62,992,803	140,956	0.22%
Large	26,537,968	26,242,185	(295,783)	-1.11%	107,211,400	106,578,875	(632,525)	-0.59%
Independent Power Producers	33,196	27,011	(6,185)	-18.63%	134,110	253,218	119,108	88.81%
Private St. Lites	55,818	32,358	(23,460)	-42.03%	223,340	136,380	(86,961)	-38.94%
Sub-total	**86,793,401**	**90,776,805**	**3,983,405**	**4.59%**	**361,337,753**	**368,334,010**	**6,996,257**	**1.94%**
Government								
Small_Non Demand	1,074,574	1,248,251	173,677	16.16%	4,401,973	5,027,020	625,047	14.20%
Small-Demand	7,995,790	8,102,981	107,191	1.34%	31,643,238	32,548,722	905,485	2.86%
Large	5,987,456	6,315,619	328,163	5.48%	24,100,507	26,096,751	1,996,244	8.28%
Public St. Lites	779,990	716,067	(63,923)	-8.20%	3,283,111	2,895,401	(387,709)	-11.81%
Sub-total	**15,837,810**	**16,382,918**	**545,108**	**3.44%**	**63,428,829**	**66,567,894**	**3,139,066**	**4.95%**
Total-Civilian	**102,631,211**	**107,159,724**	**4,528,513**	**4.41%**	**424,766,581**	**434,901,904**	**10,135,323**	**2.39%**
USN	26,080,177	26,722,147	641,970	2.46%	105,920,919	106,873,123	952,203	0.90%
Grand Total	**128,711,387**	**133,881,870**	**5,170,483**	**4.02%**	**530,687,500**	**541,775,027**	**11,087,527**	**2.09%**
					-	-		
Non-Oil Yield								
Residential	0.096203	0.095870	(0.000333)	-0.35%	0.096203	0.095880	(0.000324)	-0.34%
Small General-Non-Demand	0.136364	0.136774	0.000409	0.30%	0.136364	0.136122	(0.000242)	-0.18%
Small General-Demand	0.119423	0.120986	0.001563	1.31%	0.119423	0.119507	0.000084	0.07%
Large	0.103705	0.102474	(0.001231)	-1.19%	0.103705	0.102670	(0.001035)	-1.00%
Independent Power Producers	0.117983	0.109730	(0.008253)	0.00%	0.117983	0.103737	(0.014246)	0.00%
Private St. Lites	0.454278	0.658996	0.204718	45.06%	0.454278	0.625845	0.171567	37.77%
Sub-total	**0.105945**	**0.105374**	**(0.000571)**	**-0.54%**	**0.105751**	**0.105138**	**(0.000613)**	**-0.58%**
Government					-			
Small_Non Demand	0.152255	0.148602	(0.003653)	-2.40%	0.152255	0.149218	(0.003037)	-1.99%
Small-Demand	0.135082	0.131193	(0.003889)	-2.88%	0.135082	0.133426	(0.001656)	-1.23%
Large	0.128102	0.125355	(0.002747)	-2.14%	0.128102	0.125467	(0.002635)	-2.06%
Public St. Lites	0.380746	0.479268	0.098522	25.88%	0.380746	0.472609	0.091863	24.13%
Sub-total	**0.145707**	**0.145483**	**(0.000224)**	**-0.15%**	**0.146337**	**0.146251**	**(0.000086)**	**-0.06%**
Total-Civilian	**0.112081**	**0.111506**	**(0.000575)**	**-0.51%**	**0.111812**	**0.111431**	**(0.000380)**	**-0.34%**
USN	0.061774	0.059813	(0.001961)	-3.17%	0.061774	0.060755	(0.001019)	-1.65%
Grand Total	**0.101888**	**0.101188**	**(0.000699)**	**-0.69%**	**0.101824**	**0.101434**	**(0.000390)**	**-0.38%**
Non-Oil Revenues								
Residential	3,670,956	4,033,046	362,090	9.86%	15,723,759	16,342,204	618,446	3.93%
Small General-Non-Demand	923,461	936,176	12,716	1.38%	3,746,496	3,801,641	55,145	1.47%
Small General-Demand	1,819,545	1,882,875	63,330	3.48%	7,505,965	7,528,091	22,126	0.29%
Large	2,752,110	2,689,144	(62,966)	-2.29%	11,118,319	10,942,404	(175,916)	-1.58%
Independent Power Producers	3,917	2,964	(953)	-24.32%	15,823	26,268	10,445	66.01%
Private St. Lites	25,357	21,324	(4,033)	-15.91%	101,459	85,352	(16,106)	-15.87%
Sub-total	**9,195,346**	**9,565,529**	**370,183**	**4.03%**	**38,211,820**	**38,725,960**	**514,140**	**1.35%**
Government								
Small_Non Demand	163,609	185,492	21,883	13.38%	670,220	750,121	79,901	11.92%
Small-Demand	1,080,086	1,063,056	(17,030)	-1.58%	4,274,425	4,342,844	68,419	1.60%
Large	767,005	791,693	24,688	3.22%	3,087,324	3,274,285	186,961	6.06%
Public St. Lites	296,978	343,188	46,210	15.56%	1,250,032	1,368,394	118,362	9.47%
Sub-total	**2,307,678**	**2,383,429**	**75,751**	**3.28%**	**9,282,002**	**9,735,644**	**453,643**	**4.89%**
Total-Civilian	**11,503,024**	**11,948,958**	**445,934**	**3.88%**	**47,493,822**	**48,461,605**	**967,783**	**2.04%**
USN	1,611,076	1,598,334	(12,742)	-0.79%	6,543,155	6,493,050	(50,104)	-0.77%
Grand Total	**13,114,100**	**13,547,291**	**433,192**	**3.30%**	**54,036,976**	**54,954,655**	**917,679**	**1.70%**
% of Total Revenues	39.87%	45.81%			39.86%	46.44%		
Oil Revenues								
Residential	5,862,343	4,952,133	(910,210)	-15.53%	25,110,099	20,064,393	(5,045,706)	-20.09%
Small General-Non-Demand	1,040,400	805,746	(234,654)	-22.55%	4,220,920	3,287,649	(933,272)	-22.11%
Small General-Demand	2,340,760	1,831,383	(509,377)	-21.76%	9,656,072	7,412,905	(2,243,167)	-23.23%
Large	4,077,088	3,073,169	(1,003,919)	-24.62%	16,471,130	12,482,842	(3,988,288)	-24.21%
Independent Power Producers	5,100	3,065	(2,035)	-39.90%	20,604	28,807	8,203	39.81%
Private St. Lites	8,576	3,809	(4,766)	-55.58%	34,312	16,054	(18,258)	-53.21%
Sub-total	**13,334,267**	**10,669,305**	**(2,664,962)**	**-19.99%**	**55,513,137**	**43,292,650**	**(12,220,487)**	**-22.01%**
Government								
Small_Non Demand	165,089	146,942	(18,148)	-10.99%	676,285	591,771	(84,514)	-12.50%
Small-Demand	1,228,411	953,867	(274,545)	-22.35%	4,861,422	3,831,570	(1,029,852)	-21.18%
Large	919,866	734,077	(185,789)	-20.20%	3,702,615	3,034,725	(667,891)	-18.04%
Public St. Lites	119,832	84,294	(35,538)	-29.66%	504,392	340,841	(163,551)	-32.43%
Sub-total	**2,433,199**	**1,919,180**	**(514,019)**	**-21.13%**	**9,744,715**	**7,798,907**	**(1,945,808)**	**-19.97%**
Total-Civilian	**15,767,465**	**12,588,485**	**(3,178,981)**	**-20.16%**	**65,257,852**	**51,091,557**	**(14,166,295)**	**-21.71%**
USN	4,006,757	3,434,770	(571,987)	-14.28%	16,272,871	12,288,141	(3,984,729)	-24.49%
Grand Total	**19,774,222**	**16,023,254**	**(3,750,968)**	**-18.97%**	**81,530,723**	**63,379,698**	**(18,151,025)**	**-22.26%**
% of Total Revenues	60.13%	54.19%			60.14%	53.56%		
Grand Total								
Residential	9,533,300	8,985,179	(548,120)	-5.75%	40,833,858	36,406,597	(4,427,261)	-10.84%
Small General-Non-Demand	1,963,861	1,741,922	(221,939)	-11.30%	7,967,416	7,089,289	(878,127)	-11.02%
Small General-Demand	4,160,305	3,714,258	(446,047)	-10.72%	17,162,037	14,940,996	(2,221,040)	-12.94%
Large	6,829,198	5,762,313	(1,066,885)	-15.62%	27,589,449	23,425,246	(4,164,204)	-15.09%
Independent Power Producers	9,017	6,029	(2,988)	-33.14%	36,426	55,075	18,649	51.20%
Private St. Lites	33,933	25,133	(8,800)	-25.93%	135,771	101,407	(34,364)	-25.31%
Sub-total	**22,529,613**	**20,234,834**	**(2,294,779)**	**-10.19%**	**93,724,957**	**82,018,610**	**(11,706,347)**	**-12.49%**
Government					-			
Small_Non Demand	328,698	332,434	3,736	1.14%	1,346,505	1,341,892	(4,613)	-0.34%
Small-Demand	2,308,497	2,016,922	(291,575)	-12.63%	9,135,848	8,174,415	(961,433)	-10.52%
Large	1,686,872	1,525,771	(161,101)	-9.55%	6,789,940	6,309,010	(480,930)	-7.08%
Public St. Lites	416,810	427,482	10,672	2.56%	1,754,424	1,709,235	(45,189)	-2.58%
Sub-total	**4,740,877**	**4,302,609**	**(438,268)**	**-9.24%**	**19,026,716**	**17,534,551**	**(1,492,165)**	**-7.84%**
Total-Civilian	**27,270,489**	**24,537,443**	**(2,733,047)**	**-10.02%**	**112,751,674**	**99,553,161**	**(13,198,512)**	**-11.71%**
USN	5,617,832	5,033,103	(584,729)	-10.41%	22,816,025	18,781,192	(4,034,834)	-17.68%
Grand Total	**32,888,322**	**29,570,546**	**(3,317,776)**	**-10.09%**	**135,567,699**	**118,334,353**	**(17,233,346)**	**-12.71%**
	-	-	-					

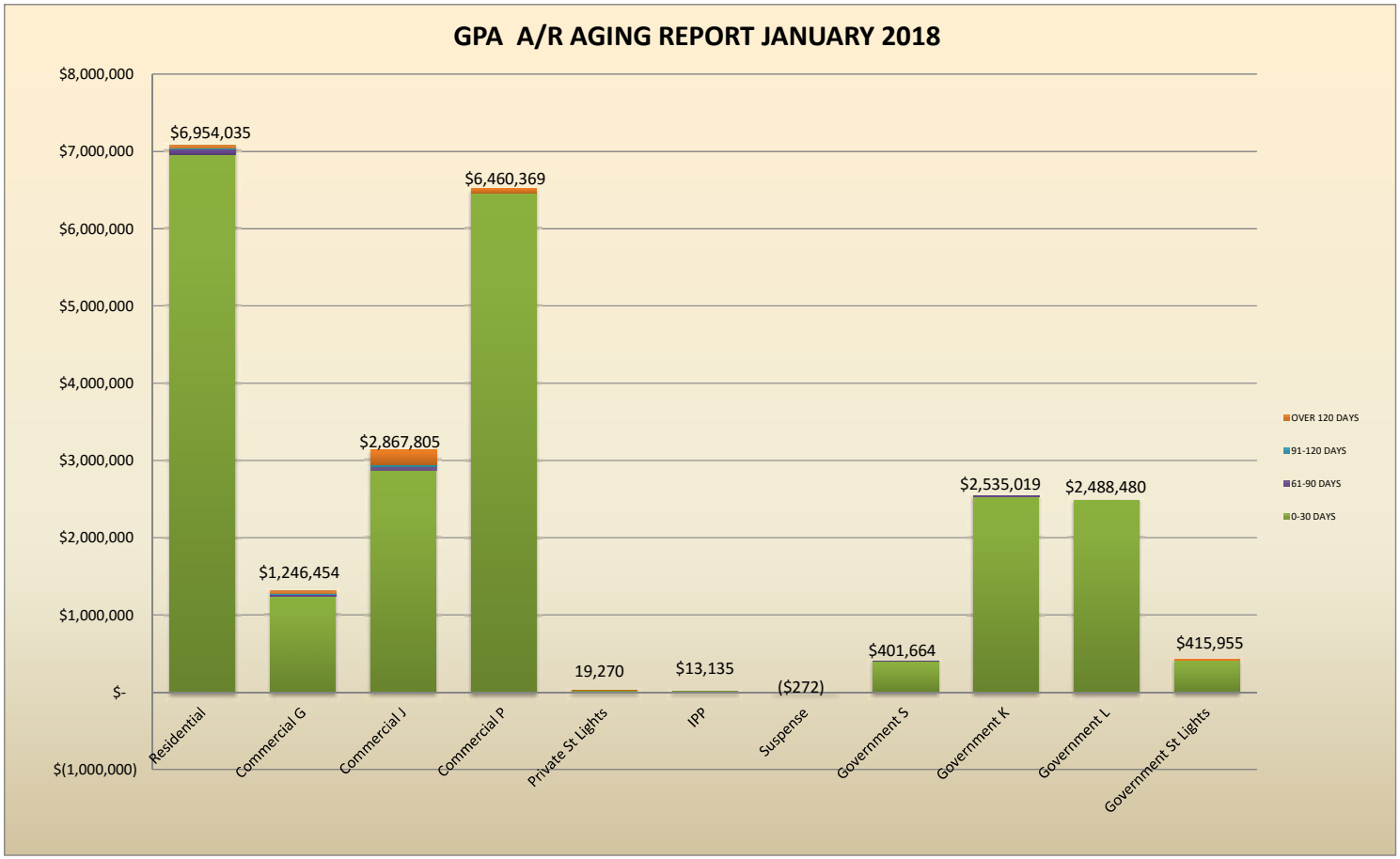
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 4 MONTHS ENDED JANUARY 31				ACTUALS - MONTH ENDED JANUARY 31			
	2018	2017	VARIANCE	% VARIANCE	2018	2017	VARIANCE	% VARIANCE
KWH								
Residential	170,444,561	163,722,333	6,722,229	4.11%	42,067,765	39,423,550	2,644,215	6.71%
Small General-Non-Demand	27,928,173	27,329,122	599,051	2.19%	6,844,713	6,647,367	197,346	2.97%
Small General-Demand	62,992,803	63,115,400	(122,597)	-0.19%	15,562,774	15,535,910	26,864	0.17%
Large	106,578,875	105,729,874	849,001	0.80%	26,242,185	26,550,140	(307,956)	-1.16%
Independent Power Producers	253,218	366,402	(113,184)	-30.89%	27,011	92,493	(65,482)	-70.80%
Private St. Lites	136,380	178,289	(41,909)	-23.51%	32,358	36,736	(4,378)	-11.92%
Sub-total	**368,334,010**	**360,441,419**	**7,892,591**	**2.19%**	**90,776,805**	**88,286,197**	**2,490,609**	**2.82%**
Government								
Small_Non Demand	5,027,020	4,521,518	505,502	11.18%	1,248,251	1,079,470	168,781	15.64%
Small-Demand	32,548,722	32,884,608	(335,886)	-1.02%	8,102,981	7,897,069	205,912	2.61%
Large	26,096,751	24,768,168	1,328,582	5.36%	6,315,619	6,032,854	282,765	4.69%
Public St. Lites	2,895,401	3,428,648	(533,247)	-15.55%	716,067	539,658	176,408	32.69%
Sub-total	**66,567,894**	**65,602,943**	**964,952**	**1.47%**	**16,382,918**	**15,549,052**	**833,866**	**5.36%**
Total-Civilian	**434,901,904**	**426,044,362**	**8,857,543**	**2.08%**	**107,159,724**	**103,835,249**	**3,324,475**	**3.20%**
USN	106,873,123	106,905,672	(32,549)	-0.03%	26,722,147	27,625,278	(903,131)	-3.27%
Grand Total	**541,775,027**	**532,950,034**	**8,824,993**	**1.66%**	**133,881,870**	**131,460,526**	**2,421,344**	**1.84%**
Non-Oil Yield								
Residential	0.095880	0.096436	-0.000556	-0.58%	0.095870	0.096352	-0.000482	-0.50%
Small General-Non-Demand	0.136122	0.136983	-0.000861	-0.63%	0.136774	0.134280	0.002494	1.86%
Small General-Demand	0.119507	0.119887	-0.000380	-0.32%	0.120986	0.119425	0.001561	1.31%
Large	0.102670	0.102456	0.000214	0.21%	0.102474	0.102068	0.000406	0.40%
Independent Power Producers	0.000000	0.112423	-0.112423	-100.00%	0.109730	0.119604	-0.009874	-8.26%
Private St. Lites	0.625845	0.512558	0.113286	22.10%	0.658996	0.608778	0.050218	8.25%
Sub-total	**0.105138**	**0.105604**	**-0.000466**	**-0.44%**	**0.105374**	**0.105225**	**0.000150**	**0.14%**
Government								
Small_Non Demand	0.149218	0.152307	-0.003089	-2.03%	0.148602	0.152774	-0.004172	-2.73%
Small-Demand	0.133426	0.133954	-0.000528	-0.39%	0.131193	0.134552	-0.003359	-2.50%
Large	0.125467	0.125672	-0.000205	-0.16%	0.125355	0.127783	-0.002428	-1.90%
Public St. Lites	0.472609	0.452865	0.019745	4.36%	0.479268	0.564866	-0.085598	-15.15%
Sub-total	**0.146251**	**0.148760**	**-0.002508**	**-1.69%**	**0.145483**	**0.148126**	**-0.002643**	**-1.78%**
Total-Civilian	**0.111431**	**0.112250**	**-0.000818**	**-0.73%**	**0.111506**	**0.111649**	**-0.000143**	**-0.13%**
USN	0.060755	0.060020	0.000735	1.22%	0.059813	0.058914	0.000899	1.53%
Grand Total	**0.101434**	**0.101773**	**-0.000338**	**-0.33%**	**0.101188**	**0.100567**	**0.000621**	**0.62%**
Non-Oil Revenues								
Residential	16,342,204	15,788,688	553,517	3.51%	4,033,046	3,798,529	234,517	6.17%
Small General-Non-Demand	3,801,641	3,743,631	58,010	1.55%	936,176	892,607	43,569	4.88%
Small General-Demand	7,528,091	7,566,695	(38,604)	-0.51%	1,882,875	1,855,379	27,497	1.48%
Large	10,942,404	10,832,610	109,794	1.01%	2,689,144	2,709,931	(20,787)	-0.77%
Independent Power Producers	26,268	41,192	(14,924)	-36.23%	2,964	11,063	(8,099)	-73.21%
Private St. Lites	85,352	91,383	(6,031)	-6.60%	21,324	22,364	(1,040)	-4.65%
Sub-total	**38,725,960**	**38,064,199**	**661,761**	**1.74%**	**9,565,529**	**9,289,872**	**275,657**	**2.97%**
Government								
Small_Non Demand	750,121	688,659	61,462	8.92%	185,492	164,914	20,578	12.48%
Small-Demand	4,342,844	4,405,028	(62,184)	-1.41%	1,063,056	1,062,565	490	0.05%
Large	3,274,285	3,112,668	161,617	5.19%	791,693	770,898	20,795	2.70%
Public St. Lites	1,368,394	1,552,714	(184,320)	-11.87%	343,188	304,834	38,353	12.58%
Sub-total	**9,735,644**	**9,759,070**	**(23,426)**	**-0.24%**	**2,383,429**	**2,303,212**	**80,217**	**3.48%**
Total-Civilian	**48,461,605**	**47,823,269**	**638,336**	**1.33%**	**11,948,958**	**11,593,084**	**355,874**	**3.07%**
USN	6,493,050	6,416,446	76,604	1.19%	1,598,334	1,627,507	(29,173)	-1.79%
Grand Total	**54,954,655**	**54,239,715**	**714,940**	**1.32%**	**13,547,291**	**13,220,591**	**326,701**	**2.47%**
% of Total Revenues								
Oil Revenues								
Residential	20,064,393	14,180,482	5,883,910	41.49%	4,952,133	3,414,592	1,537,541	45.03%
Small General-Non-Demand	3,287,649	2,367,057	920,591	38.89%	805,746	575,748	229,998	39.95%
Small General-Demand	7,412,905	5,468,334	1,944,571	35.56%	1,831,383	1,345,154	486,229	36.15%
Large	12,482,842	9,199,407	3,283,436	35.69%	3,073,169	2,288,084	785,085	34.31%
Independent Power Producers	28,807	32,644	(3,837)	-11.76%	3,065	7,745	(4,680)	-60.43%
Private St. Lites	16,054	15,442	612	3.96%	3,809	3,182	627	19.72%
Sub-total	**43,292,650**	**31,263,366**	**12,029,284**	**38.48%**	**10,669,305**	**7,634,504**	**3,034,801**	**39.75%**
Government								
Small_Non Demand	591,771	391,622	200,149	51.11%	146,942	93,496	53,445	57.16%
Small-Demand	3,831,570	2,848,235	983,336	34.52%	953,867	683,989	269,878	39.46%
Large	3,034,725	2,167,600	867,125	40.00%	734,077	516,054	218,024	42.25%
Public St. Lites	340,841	296,966	43,875	14.77%	84,294	46,741	37,553	80.34%
Sub-total	**7,798,907**	**5,704,422**	**2,094,484**	**36.72%**	**1,919,180**	**1,340,280**	**578,900**	**43.19%**
Total-Civilian	**51,091,557**	**36,967,789**	**14,123,768**	**38.21%**	**12,588,485**	**8,974,784**	**3,613,701**	**40.27%**
USN	12,288,141	10,044,826	2,243,315	22.33%	3,434,770	2,892,337	542,432	18.75%
Grand Total	**63,379,698**	**47,012,615**	**16,367,083**	**34.81%**	**16,023,254**	**11,867,122**	**4,156,133**	**35.02%**
% of Total Revenues								
Grand Total								
Residential	36,406,597	29,969,170	6,437,427	21.48%	8,985,179	7,213,121	1,772,058	24.57%
Small General-Non-Demand	7,089,289	6,110,688	978,601	16.01%	1,741,922	1,468,355	273,567	18.63%
Small General-Demand	14,940,996	13,035,029	1,905,967	14.62%	3,714,258	3,200,532	513,726	16.05%
Large	23,425,246	20,032,017	3,393,229	16.94%	5,762,313	4,998,015	764,298	15.29%
Independent Power Producers	55,075	73,836	(18,761)	-25.41%	6,029	18,807	(12,778)	-67.94%
Private St. Lites	101,407	106,825	(5,419)	-5.07%	25,133	25,546	(413)	-1.62%
Sub-total	**82,018,610**	**69,327,566**	**12,691,045**	**18.31%**	**20,234,834**	**16,924,376**	**3,310,458**	**19.56%**
Government								
Small_Non Demand	1,341,892	1,080,282	261,610	24.22%	332,434	258,411	74,023	28.65%
Small-Demand	8,174,415	7,253,263	921,152	12.70%	2,016,922	1,746,554	270,368	15.48%
Large	6,309,010	5,280,268	1,028,741	19.48%	1,525,771	1,286,951	238,819	18.56%
Public St. Lites	1,709,235	1,849,680	(140,445)	-7.59%	427,482	351,576	75,906	21.59%
Sub-total	**17,534,551**	**15,463,492**	**2,071,059**	**13.39%**	**4,302,609**	**3,643,492**	**659,117**	**18.09%**
Total-Civilian	**99,553,161**	**84,791,058**	**14,762,104**	**17.41%**	**24,537,443**	**20,567,868**	**3,969,575**	**19.30%**
USN	18,781,192	16,461,272	2,319,920	14.09%	5,033,103	4,519,844	513,259	11.36%
Grand Total	**118,334,353**	**101,252,330**	**17,082,023**	**16.87%**	**29,570,546**	**25,087,712**	**4,482,833**	**17.87%**


GPA - T and D Losses (MWH) Without Renewables and Aggreko
For the Last 7 Years thru 01.31.18 -Moving 12 Months
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
7.02%
7.26%
6.31%
5.20%
4.88%
5.44%
5.67%
5.74%
113,279
117,269
103,049
85,295
79,267
78,281
83,949
85,458
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
T and D Losses (MWH)
T and D Losses (% to Net Generation)


GPA - T and D Losses (MWH) With Renewables
For the Last 8 Years thru 01.31.18 -Moving 12 Months
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
7.02%
7.26%
6.31%
5.20%
4.88%
4.73%
4.95%
5.00%
113,279
117,269
103,049
85,295
79,267
78,281
83,949
85,458
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
T and D Losses (MWH)
T and D Losses (% to Net Gen.)


GPA - Station Usage(MWH) Without Renewables and Aggreko
For the Last 7 Years Thru 01.31.18-Moving 12 Months
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
5.66%
5.71%
5.05%
4.86%
4.87%
4.32%
4.26%
4.20%
96,872
97,739
86,765
83,701
83,060
64,952
65,895
65,244
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
Station Use (MWH)
% to Gross Generation


GPA - Station Usage(MWH) With Renewables
For the Last 8 Years Thru 01.31.18 -Moving 12 Months
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
5.66%
5.71%
5.05%
4.86%
4.87%
3.77%
3.74%
3.68%
96,872
97,739
86,765
83,701
83,060
64,952
65,895
65,244
FY 11
FY 12
FY 13
FY 14
FY 15
FY 16
FY 17
FY 18
Station Use (MWH)
% to Gross Generation


GPA A/R AGING REPORT JANUARY 2018
$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)
$6,954,035
$1,246,454
$2,867,805
$6,460,369
19,270
$13,135
($272)
$401,664
$2,535,019
$2,488,480
$415,955
Residential
Commercial G
Commercial J
Commercial P
Private St Lights
IPP
Suspense
Government S
Government K
Government L
Government St Lights
OVER 120 DAYS
91-120 DAYS
61-90 DAYS
0-30 DAYS

GUAM POWER AUTHORITY

GOVERNMENT ACCOUNTS RECEIVABLE
BILLING UP TO 02/28/2018 and Payment Applied as of 03/23/2018

NEW ACCT NUMBER		DEPARTMENT	ARREARS BALANCE 1/31/2018
		Line Agencies	
124378	0237100000	Dept. of Corrections	$ 76,357.95
124401	0437100000	Dept. of Parks & Rec.	$ 22,058.89
124415	0537100000	Guam Fire Department	$ 18,430.82
108818	6995000000	DOA-Supply Management	$ 1,401.33
108799	7895000000	Dept. of Administration	$ 3,556.61
124392	1337100000	Nieves Flores Library	$ 10,039.51
140297	2206200000	General Services Agency	$ 248.89
124380	2237100000	DOA-Data Processing	$ 7,430.16
124393	2337100000	Dept. of PH&SS	$ 67,904.01
124381	3237100000	Dept. of Education	$ 2,041,949.02
124394	3337100000	Guam Police Department	$ 36,119.49
128478	3569100000	Dept of Youth Affairs (Federal)	$ 952.17
124407	4437100000	Dept. of Youth Affair* (Local)	$ 14,691.96
124445	4737100000	Guam Environmental Protect	$ 6,280.87
124408	5437100000	Mental Health/Subst.	$ 43,376.75
148823	7200300000	Veteran Affairs	$ 1,041.34
124412	7437100000	Civil Defense (Military Affairs)	$ 10,609.42
158935	7463300000	Pacific Energy Resource Center	$ 504.83
124374	8137100000	Dept. of Agriculture	$ 9,579.62
124399	8337100000	DPW-FAC Adm Account	$ 26,479.88
	8437100000	Guam Visitors Bureau	$ 4,386.80
166560	8446300000	Yona Senior Citizen Center	$ 759.01
124414	9437100000	Chamorro Village	$ 4,223.69
292266	5247210000	Mayors Council	$ 2,479.73
309494	6293410000	Office of the Governor	$ 22,820.53
	8555858369	Dept of Chamorro Affairs (Guam Museum)	$ 19,976.83
		Sub Total	**$ 2,453,660.11**
		MAYORS	
124427	0637100000	Santa Rita Mayor	$ 4,044.06
124437	0737100000	Ordot/Chalan Pago Mayor	$ 1,467.75
124417	1537100000	Agana Mun Planning Council	$ 1,564.41
124428	1637100000	Piti Mayor	$ 1,326.75
124438	1737100000	Mongmong/Toto/Maite Mayor	$ 965.78
124429	2637100000	Asan/Maina/Adelup Mayor	$ 1,014.37
124439	2737100000	Sinajana Mayor	$ 4,559.15
124430	3637100000	Dededo Mayor	$ 5,921.54

124431	4637100000	Yigo Mayor	$	5,202.39
124432	5637100000	Umatac Mayor	$	1,463.49
124423	6537100000	Agana Hts. Mayor	$	5,626.31
124433	6637100000	Merizo Mayor	$	1,441.25
124453	6737100000	Barrigada Mayors Office	$	2,424.36
124424	7537100000	Agat Mayor	$	2,176.19
124434	7637100000	Inarajan Mayor	$	1,595.63
124425	8537100000	Tamuning Mayor	$	5,989.13
124435	8637100000	Talofofo Mayor	$	2,274.00
124426	9537100000	Mangilao Mayor	$	4,807.72
124436	9637100000	Yona Mayor	$	888.00
		Sub Total	**$**	**54,752.28**
		DPW ACCOUNTS		
124395	4337100000	DPW-Village St. Lights	$	318,026.59
124396	5337100000	DPW- Primary St. Lights	$	81,095.64
124397	6337100000	DPW-Sec/Coll St. Lights	$	24,463.91
124398	7337100000	DPW-Signal Lights	$	10,574.43
		Sub Total	**$**	**434,160.57**
		(B) AUTONOMOUS/PUBLIC CORP		
124402	1437100000	Retirement Fund	$	4,576.64
208988	1915500000	Guam Housing Corp Rental Division	$	2,104.84
124403	2437100000	University of Guam	$	173,804.07
124383	4237100000	Guam Airport Authority	$	489,483.97
	5357510000	University of Guam (NET METERED)	$	77,601.50
124387	6237100000	G H U R A	$	12,527.53
124409	6437100000	Guam Community College	$	51,131.35
124388	7237100000	Guam Memorial Hospital	$	489,101.47
124377	9137100000	Port Authority of Guam	$	97,634.18
	9157510000	Guam Community College (NET METERED)	$	37,824.67
288441	9173210000	Guam Solid Waste Authority	$	5,511.64
124400	9337100000	Guam Waterworks Authority	$	1,237,180.34
		Sub Total	**$**	**2,678,482.20**
		(C) OTHERS		
124391	0337100000	Guam Legislature	$	143.60
	9503154359	Guam Legislature (NET METER)	$	5,761.11
124379	1237100000	Superior Court of Guam	$	73,991.57
124418	2537100000	Agana Post Office	$	5,825.03
130431	2570200000	Customs & Quarantine Agency	$	954.26
124419	3537100000	U.S. Post Office	$	41,553.69
124422	5537100000	Dept. of Military Affairs	$	76,366.87
	3209463043	Dept. of Military Affairs (NET METERED)	$	3,172.76
124446	5737100000	KGTF	$	6,621.11
102783	7281000000	Tamuning Post Office	$	5,079.66

		Sub Total	**$ 219,469.66**
		Sub Total (w/out Promissory Note)	**$ 5,840,524.82**

Current (02/18 Billing due 01/31/18
30 days Arrears (01/18 due 02/15/18)
60 days and over Arrears (12/17 billing due 01/15/18)

CURRENT BILL FOR 2/28/2018 BILL DATE 02/28/2018	BILLING ADJUSTMENT 3/23/2018	PAYMENTS AS OF 3/23/2018	BILLING BALANCE 3/23/2018	
74,013.72		$ (150,371.67)	$ -	
19,166.30		$ (22,058.89)	$ 19,166.30	
16,887.02		$ (35,317.84)	$ -	
1,376.68		$ (2,778.01)	$ -	
3,552.40		$ (7,109.01)	$ -	
9,247.73		$ (19,287.24)	$ -	
254.89		$ (503.78)	$ -	
6,934.32		$ (14,364.48)	$ -	
66,797.10		$ (130,588.11)	$ 4,113.00	
1,060,448.58	$ 104.64	$ (2,027,996.51)	$ 1,074,505.73	
34,988.99		$ (71,108.48)	$ -	
929.63		$ (1,881.80)	$ -	
13,333.73		$ (28,025.69)	$ -	
6,193.37		$ (12,474.24)	$ -	
41,201.04		$ (84,577.79)	$ -	
970.37		$ (2,011.71)	$ -	
11,243.24	$ 49.86	$ (3,961.93)	$ 17,940.59	1
573.83		$ (1,078.66)	$ -	
9,549.63	$ (34.23)	$ (19,095.02)	$ -	
25,619.29	$ (11.82)	$ (52,087.35)	$ -	
4,081.59		$ (8,468.39)	$ -	
726.59		$ (1,485.60)	$ -	
4,028.11	$ 136.00	$ (8,387.80)	$ -	
2,370.08		$ (4,849.81)	$ -	
22,244.87		$ (45,065.40)	$ -	
20,430.51		$ (40,407.34)	$ -	
$ 1,457,163.61	**$ 244.45**	**$ (2,795,342.55)**	**$ 1,115,725.62**	
$ 3,525.04		$ (7,569.10)	$ -	
$ 1,304.75		$ (2,772.50)	$ -	
$ 1,448.19		$ (3,012.60)	$ -	
$ 1,290.36		$ (2,617.11)	$ -	
$ 933.03		$ (1,898.81)	$ -	
$ 882.82		$ (1,897.19)	$ -	
$ 4,260.06		$ (8,819.21)	$ -	
$ 5,356.14		$ (11,277.68)	$ -	

$ 4,841.17		$ (10,043.56)	$ -	
$ 1,500.39		$ (2,963.88)	$ -	
$ 5,609.51	$ (593.09)	$ (10,642.73)	$ -	
$ 1,285.06	$ 34.00	$ (2,760.31)	$ -	
$ 2,119.34	$ 4.06	$ (4,547.76)	$ -	
$ 2,027.09		$ (4,203.28)	$ -	
$ 1,841.09		$ (3,436.72)	$ -	
$ 5,642.81		$ (11,631.94)	$ -	
$ 2,016.29		$ (4,290.29)	$ -	
$ 4,712.37		$ (9,520.09)	$ -	
$ 796.33		$ (1,684.33)	$ -	
$ 51,391.84	**$ (555.03)**	**$ (105,589.09)**	**$ -**	
$ 327,196.56	$ 15,531.08	$ (660,754.23)	$ -	
$ 82,353.48	$ (349.17)	$ (163,099.95)	$ -	
$ 25,093.41		$ (49,557.32)	$ -	
$ 10,266.86	$ (181.45)	$ (20,659.84)	$ 0.00	
$ 444,910.31	**$ 15,000.46**	**$ (894,071.34)**	**$ 0.00**	
$ 4,211.38		$ (8,788.02)	$ -	
$ 1,858.49	$ 39.17	$ (1,556.50)	$ 2,446.00	1
$ 176,891.24		$ (350,695.31)	$ -	
$ 497,480.46		$ (489,483.97)	$ 497,480.46	
$ 78,204.73		$ (155,806.23)	$ -	
$ 24,111.07	$ (351.56)	$ (48,317.23)	$ (12,030.19)	
$ 52,905.35		$ (104,036.70)	$ -	
$ 161,438.14	$ 1,273.47	$ (319,305.24)	$ 332,507.84	1
$ 94,646.19	$ 3,357.40	$ (195,637.77)	$ -	
$ 37,819.66		$ (75,644.33)	$ -	
$ 5,416.44		$ (10,928.08)	$ -	
$ 1,193,468.74		$ (2,430,649.08)	$ -	
$ 2,328,451.89	**$ 4,318.48**	**$ (4,190,848.46)**	**$ 820,404.11**	
$ 161.22		$ (304.82)	$ -	
$ 5,843.44		$ (11,604.55)	$ -	
$ 73,066.04		$ (73,991.57)	$ 73,066.04	
$ 5,682.61		$ (11,507.64)	$ -	
$ 802.96		$ (1,757.22)	$ -	
$ 40,963.29		$ (82,516.98)	$ -	
$ 78,332.72	$ (11,334.60)	$ (143,364.99)	$ -	
$ 13,440.75		$ (16,613.51)	$ -	
$ 6,205.43		$ (11,681.54)	$ 1,145.00	
$ 4,766.81		$ (9,846.47)	$ -	

$ 229,265.27	**$ (11,334.60)**	**$ (363,189.29)**	**$ 74,211.04**	
$ 4,511,182.92	**$ 7,673.76**	**$ (8,349,040.73)**	**$ 2,010,340.77**	

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

Issues for Decision

Resolution No. 2018-06:

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

The Consolidated Commission on Utilities has determined that is a prudent and reasonable business practices to maintain insurance coverage on GPA's assets to the extent practical. The Guam Power Authority's bond indenture agreement requires GPA to "secure and maintain property insurance on all facilities constituting the System against risks of loss or damage…to the extent that such insurance is obtainable at reasonable cost." The indenture further requires GPA to carry insurance "of a scope and nature as that usually carried in the industry."

The contract review protocol established by the Public Utilities Commission requires that all contracts in excess of $1.5 million be authorized by the PUC in advance of the procurement.

How does it cost?

GPA's current property insurance costs exceed $6.4 million and this procurement will exceed the PUC contract review threshold.

When will this start?

GPA's property insurance policy including boiler and machinery coverage is expiring on November 1, 2018 and a re-bidding of the policies is required under Guam procurement regulations.

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

RESOLUTION NO. 2018-06

RELATIVE TO PETITION THE PUBLIC UTILITIES COMMISSION FOR AUTHORIZATION TO BEGIN PROCUREMENT FOR PROPERTY INSURANCE

WHEREAS, the Consolidated Commission on Utilities has determined that is a prudent and reasonable business practices to maintain insurance coverage on GPA's assets to the extent practical; and

WHEREAS, the Guam Power Authority's bond indenture agreement requires GPA to "secure and maintain property insurance on all facilities constituting the System against risks of loss or damage…to the extent that such insurance is obtainable at reasonable cost"; and

WHEREAS, the indenture further requires GPA to carry insurance "of a scope and nature as that usually carried in the industry"; and

WHEREAS, GPA's property insurance policy including boiler and machinery coverage is expiring on November 1, 2018 and a re-bidding of the policies is required under Guam procurement regulations; and

WHEREAS, the contract review protocol established by the Public Utilities Commission requires that all contracts in excess of $1.5 million be authorized by the PUC in advance of the procurement;

WHEREAS, GPA's current property insurance costs exceed $6.4 million and this procurement will exceed the PUC contract review threshold; and

WHEREAS, GPA desires to issue its insurance bid as soon as possible in order to allow sufficient time for insurance vendors to prepare their bids; and

WHEREAS, GPA has submitted its draft invitation for bids to the Consolidated Commission on Utilities for review and authorization to forward to the PUC; and

NOW THEREFORE, BE IT RESOLVED BY THE CONSOLIDATED COMMISSION ON UTILITIES, AS THE GOVERNING BODY OF THE GUAM POWER AUTHORITY, AS FOLLOWS:

1. After careful review and scrutiny of the GPA draft Invitation for Bids for property insurance coverage to include boiler and machinery coverage, the Consolidated Commission on Utilities has determined that property insurance costs are a prudent expense and the GPA General Manager is authorized to submit the bid document to the Public Utilities Commission for their approval in accordance with the contract review protocol.

2. Final approval from the Consolidated Commission on Utilities is required before a property insurance contract is executed.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 27TH DAY OF MARCH, 2018.

Certified by:

_____

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

_____

J. GEORGE BAMBA
Secretary
Consolidated Commission on Utilities

SECRETARY'S CERTIFICATE

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

The foregoing is a full, true and correct copy of the resolution duly adopted at a regular meeting by the members of the Guam CCU, 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 POWER AUTHORITY

ATURIDAT ILEKTRESEDAT GUAHAN
P.O. BOX 2977 HAGATNA, GUAM U.S.A. 96932-2977

PROPERTY INSURANCE BID

Ladies and Gentlemen:

The Guam Power Authority ("GPA") invites qualified insurance, reinsurance intermediaries and underwriters to submit their credentials for the placement and servicing of the GPA's property insurance program for the term November 1, 2018 to November 1, 2021. The current contract term of the incumbent insurance, reinsurance intermediaries and underwriters will expire on October 31, 2018. This tender is open to qualified incumbent and non-incumbent insurance and reinsurance entities.

Insurance services will be for a three-year term with two one-year option and insurance policies may be written for a three-year term with annual renewals or the standard one-year policy with annual renewals.

GPA is looking for Property, Boiler & Machinery, Catastrophe, Terrorism, Business Interruption and Cyber liability coverage.

The deadline to submit proposals is **2:30 p.m. August 1, 2018** to give GPA enough time for discussion and negotiations to meet GPA target selection deadline of August 20, 2018. GPA is undertaking this procurement through the multi-step bidding process.

Please convey your questions and inquiries in writing to GPA no later than **June 15, 2018** so that you may have proper responses in time for the **2:30 p.m. August 1, 2018** submittal deadline.

Please submit your bid according to the detailed instructions and requirements herein; types of insurance underwriting information as set forth in the Appendices thereto.

Thank you for your interest.

Sincerely,

John Benavente
General Manager

DUE: **August 1, 2018 (2:30 p.m.)**

*** PRICE PROPOSAL MUST BE SUBMITTED IN A SEPARATE SEALED ENVELOPE MARKED "PRICE PROPOSAL."

TO: GENERAL MANAGER, GUAM POWER AUTHORITY

RE: PROPOSAL PREMIUMS AND COVERAGE

This transmittal sheet serves only as index of proposals more fully described in the attached documents. Please complete with your bid price.

	Annual Premiums		
Coverages	**Original Proposal**	**Optional Coverage**	**Optional Proposal**
Property (Sum insured $300 Million)	$_____	_____	$_____
Business Interruption	$_____	_____	$_____
Cyber Liability	$_____	_____	$_____
Gloria B. Nelson Public Service Building			
Building & Structure	$_____	_____	$_____
Optional:			
Property:			
Sum Insured $400 Million	$_____	_____	$_____
Sum Insured $500 Million	$_____	_____	$_____
Terrorism	$_____	_____	$_____
Above Ground Transmission &			
Distribution	$_____	_____	$_____

Bidder:

Signed By: _____
(Print Name/Title)

_____ Date:_____
Authorized Signatory of Bidder

Telephone No.: _____ E-mail:_____

OVERVIEW: THE GUAM POWER AUTHORITY

The Guam Power Authority (The Authority) was created in 1968 as a public corporation and autonomous instrumentality of the Government of Guam. Since that time the Authority has maintained and expanded the island wide power system on Guam. The Authority now has 469 megawatts of generation capacity, 663 miles of transmission and distribution lines, 29 substations, $1.1 billion in assets, and $333 million in annual revenues. GPA currently serves approximately 51,000 customers with the U.S. Navy being the largest representing about 17% of revenues.

The Guam Power Authority was changed into a public corporation of the Government of Guam in 2002 and is governed by a five-member publicly elected Commission – the Consolidated Commission on Utilities (CCU). The CCU retains contracting authority, establishes policies and has control over the selection of top management of the Authority.

The Authority is regulated by the Guam Public Utilities Commission – a rate setting body made up of Commissioners appointed by the Governor of Guam. The PUC has established rules of operation that are similar to those of other jurisdictions within the United States. The PUC has broad regulatory authority over GPA including approval of any contracts that might have an impact on GPA's rates.

SECTION I: INTRODUCTION:

The Guam Power Authority (GPA), hereinafter referred to as GPA, invites qualified insurance, reinsurance intermediaries, carriers and underwriters, hereinafter referred to as Bidder(s), to participate in a Multi-Step Bid (MSB) for Property Insurance Coverage. Minimum Property Insurance coverage specifications are described later in this MSB.

The bidder shall be responsible, at a minimum, for the following services:

- Respond to e-mails and voice mails within 24 hours.
- Provide certificates of insurance within 3 business days.
- Provide notice of claims to underwriters (carriers) and facilitate claims communication in coordination with GPA and underwriters (carriers).
- All other services deemed necessary by GPA.

GPA is hereby inviting bids for Property insurance contracts (policies) on a long-term basis (e.g., three years) with a term to commence November 1, 2018 to November 1, 2021. GPA understands that most insurance policies have 12-month terms, so GPA is not requiring three-year policies. GPA fully expects to stay with the selected insurance program for at least three years renewing on an annual basis.

The Technical and Price Proposals are due on or before the Cut-off Date of Receipt of Proposals which is **2:30 p.m., August 1, 2018.**

The bid evaluation shall be a two-step process. Step one will involve a Technical Proposal that consists of bidder qualifications and insurance coverage offered. This will allow GPA to establish a Qualified Bidders List (QBL). Step two will involve the evaluation of the Price Proposal (Priced Offers) from the Bidders identified on the QBL.

STEP ONE: TECHNICAL OR QUALITATIVE PROPOSALS
Interested bidders at minimum should provide the following information:

Bidder's Firm information including:

- Years in business
- Total property and total liability insurance premiums placed annually
- Ownership legal structure and ownership details
- Office location that would serve GPA
- Claims, loss control/engineering and other core services performed
- List of Power Generation accounts serviced by the account team
- Key personnel who would be placing and servicing the GPA's program
- Biography, certificates, designations, and licenses of account team and key personnel
- Other information that the respective firm believes GPA should consider
- Any key alignments with other insurance entity or intermediary (retail, wholesale, reinsurance, Lloyds, etc.)
- Bidder's experience with electric utilities or Energy Companies, especially those with hurricane or earthquake exposure and boiler & machinery exposure.
- Copies of currently active Licenses of all intermediaries
- Primary (Fronting) Carriers' or underwriters' Certificate of Authority to Transact business on Guam
- Most recent AM Best rating for Primary (Fronting) Carrier

Insurance coverage terms including but not limited to:

- Full policy forms and applicable endorsements
- If multi-year agreements, endorsements, continuity credits, or similar pricing mechanisms are used to offer reduced pricing; a detailed explanation of situations that may lead to any applicable penalties or increases of premium during the policy term must be attached.
- Explanation of any and all exceptions to the minimum coverage specifications
- Explanation of any and all enhancements exceeding minimum specifications
- Explanation of any and all coverage deficiencies not meeting minimum coverage specifications
- Specifically noting which requested coverage enhancements have been achieved, which cannot be achieved and, if applicable, detail any additional enhancements that were obtained.
- Fronting carrier or Primary insurers must be rated A- or better by AM Best with minimum financial size of VII or greater.
- Identification of Lead markets utilized to achieve the 20% commitment or market support.
- This insurance shall be governed by and construed in accordance with the laws of The Territory of Guam and the exclusive jurisdiction of the Territory of Guam courts. Should the policy require an arbitration clause then the seat of arbitration shall be Guam.
- Premium pricing should not be included in the Technical and Qualitative proposal, and should be separately packaged and submitted with the "Price Proposal".

STEP TWO: PRICE PROPOSALS

- All Premiums and optional coverage pricing must be submitted on the format outlined in this MSB. and must be submitted in a separate sealed envelope marked "Price Proposal"
- Price Proposal format as outlined in this bid must be used, and Price Proposal must be signed by person authorized to bind contracts on behalf of bidder.

- If multi-year agreements, endorsements, continuity credits, or similar pricing mechanisms is used to offer reduced pricing; a detailed explanation of situations that may lead to any applicable penalties or increases of premium during the policy term must be attached.

Price proposals from unqualified Bidders shall be returned, unopened, after the Technical Proposal evaluation. GPA will perform a comprehensive evaluation of each price proposal submitted from the QBL and select the BIDDER with the best proposal. If the selected bidder cannot bind the terms as proposed within GPA's timeframe, at any time and its sole discretion GPA reserves the right to:

- Go to the next BIDDER or
- Cancel the bid

Table 1: Bid Milestones indicate the projected start and end dates for milestones in the Bid Process. GPA reserves the right to change the Bid Milestones at any time and at its sole discretion. All changes to the Bid Milestones shall be communicated to all bidders via an Amendment or Official Correspondence from GPA. It is the sole responsibility of the bidder to promptly register for the MSB at GPA and provide accurate correspondence addresses and email addresses and to check promptly for any updates to the bid or the Bid Milestones.

Table 1: Bid Milestones

Bid Process Milestones		**From Date**	**To Date**
Announcement:	Bid Announcement	5/08/2018	6/08/2018
	Bid Documents Available	5/08/2018	6/08/2018
Optional Facility Tour/Walkthrough for Safety and Engineering personnel. Details in MSB		**5/22/2018 and 5/23/2018 @9:00 A.M. both days**	
Submit Questions		5/10/2018	6/15/2018
Cut Off Date for Receipt of Questions		**6/15/2018, 4:00 P.M.**	
GPA Review and Answer Questions		5/10/2018	7/01/2018
Cut Off Date for Receipt of Proposals (BOTH Technical and Price Proposals)		**8/01/2018 2:30 P.M.**	
EVALUATION Step One:	Technical Proposal (Bid) Evaluation	8/02/2018	8/06/2018
	Determine & Notify Qualified Bidders	8/06/2018	8/07/2018
EVALUATION Step Two:	Opening of Price Proposals	**8/21/2018**	
	Evaluation of Price Proposal	8/21/2018	8/24/2018
	Evaluation Approval	8/27/2018	8/30/2018
	Notification of Qualified Bidder	8/30/2018	9/01/2018
Contract Finalization		TBD	TBD
Contract Approval & Award		TBD	TBD
Contract Signing		TBD	

Contract Mobilization	TBD	TBD
Insurance Policy Inception Date	**11/01/2018**	

SECTION II: INSTRUCTIONS AND PROCEDURES FOR BIDDERS:

1. INTRODUCTION

This is a multi-step bid procurement. The Technical and Price Proposals should both be submitted on or before the Cut-off Date of Receipt of Proposals, **2:30 p.m., August 1, 2018**. In Step One, only the submitted Technical Proposals will be evaluated. Bidders whose qualifications and technical proposal have been satisfied will be qualified for Step Two. In Step Two, the Bidder with the best proposal will be considered for award.

2. TIME AND SCHEDULE

The deadline for the submission of bids is **August 1, 2018 at 2:30 p.m.** One (1) Original and five (5) copies of all responsive materials must be received by GPA (not postmarked) no later than that date and hour. It is advisable to hand deliver or use courier services to expedite delivery of your bid, as Guam is served by several such courier services. It is bidder's responsibility to ensure the bid is received as required above. Late bids will not be considered.

3. PREPARATION AND SUBMISSION OF PROPOSALS

Envelopes containing proposals shall be sealed and marked on the face with the name and address of the Bidder, the Proposal Number and the time and date of submission. Prices should be in a separately sealed envelope. Telegraphic proposals with not be considered, nor will modifications by telegraph of proposals already submitted be considered. Proposals shall be delivered and received at the place of opening on or before the opening date and time. Proposals received through the mail will not be accepted if such mail is received at the address showing after the submission date and time. Proposals will not be opened publicly.

All submittals must strictly conform to the Multi Step Bid rules and any addenda.

One (1) Original and five (5) copies of each proposal must be submitted including all addenda, if any. Any and all documentation (proposed insurance policy forms and endorsements) will assist towards Bidder's evaluation and must be furnished with each proposal.

The proposal must be submitted before **August 1, 2018 at 2:30 p.m.** in a sealed envelope indicating the MSB number and addressed as follows:

TO: Guam Power Authority
GPWA Procurement Office
Gloria B. Nelson Public Service Building
688 Route 15
1st Floor, Room 101
Fadian, Guam 96913

Attn: Jamie L.C. Pangelinan
Supply Management Administration

Examination of MSB Document: Bidder shall examine the MSB Documents to inform themselves of all conditions and requirements for the execution of the proposed work. Ignorance on the part of Bidder of any part of the MSB will in no way relieve him/her of the obligation and responsibly assumed under the Contract.

Familiarity with Laws: Bidder is assumed to be familiar with Federal and Local laws, ordinances, rules and regulations that in any manner affect the work. Ignorance on the part of Bidder of any part of the MSB will in no way relieve him/her of the obligation and responsibly assumed under the Contract.

3. EXPLANATION TO BIDDERS

No oral explanation regarding the meaning of the specifications will be made and no oral instructions will be given before the award of the proposal. Discrepancies, omissions, or doubts as to the meaning of the specifications must be communicated in writing to the named procurement contact individual of the Guam Power Authority for interpretation. Bidder should act promptly and allow sufficient time for a reply to reach them before the submission of their proposals. Interpretation, if required, shall be made in the form of an amendment to the specifications, which will be forwarded to all prospective Bidders, and its receipt by the Bidder should be acknowledged on the proposal form. All questions, questions, queries should be received by GPA no later than the **cutoff date for the receipt of questions 6/15/2018 at 4:00 p.m**. Submit written queries, questions, and requests for clarification to:

TO: Guam Power Authority
GPWA Procurement Office
Gloria B. Nelson Public Service Building
688 Route 15
1st Floor, Room 101
Fadian, Guam 96913

Attn: Jamie L.C. Pangelinan
Supply Management Administration
Email: jcpangelinan@gpagwa.com

4. CLARIFICATION ON MULTI STEP BID

Each Bidder must carefully examine the MSB and all addenda. If any Bidder (a) finds any discrepancies, omission or ambiguities in the MSB documents, (b) is uncertain as to the intent or meaning of any provision of the MSB, or (c) has any question regarding the MSB, the Bidder must promptly notify GPA in writing no later than **Friday 6/15/2018 at 4:00 p.m.** at the address specified for submission of proposal. Replies to such notices may be made in the form of addenda, which will be issued simultaneously to all prospective Bidders.

5. FORM

All bids must be in writing and submitted in a sealed envelope and must be signed by an officer of the bidder having authority to bind the bidder's insurance contracts as proposed. The bids should respond in an organized fashion to all requirements of this Invitation for Bid.

6. MODIFICATION OR WITHDRAWAL OF BIDS

Bids may be modified or withdrawn prior to submittal date. Any bid withdrawal, or modification received at GPA after the due date is late and, as such, renders the underlying bid in compliance only as to that which is on hand at the submittal date and hour.

7. RECORDING BIDS.

Bids and modifications shall be submitted to GPA officials on or before **August 1, 2018 at 2:30 p.m**. in a sealed envelope indicating the MSB number and addressed as follows:

To: Guam Power Authority
GPWA Procurement Office
Gloria B. Nelson Public Service Building
688 Route 15,
1st floor, Room 101
Fadian, Guam 96913

Attn: Jamie L.C. Pangelinan
Supply Management Administration

Bidders shall be responsible for ensuring the written bid (and all required documents) is received by the due date and hour. Any bid received after the due date and hour is late and will not be considered by GPA. After the due date and hour, a Register of Bids shall be prepared which shall include for all initial bids the name of each bidder, the number of modifications received, if any, and an indication of the coverage proposed, i.e. coverage of all risks of loss (a) as requested by GPA, (b) less than GPA request, and/or (c) alternate coverage as requested.

8. CONFIDENTIAL DATA

Bidders should designate trade secrets or other proprietary data to be confidential. The Guam procurement laws and regulations shall govern confidentiality.

9. AWARD

Determination of the winning bidder shall be made on or about August 31 - September 1, 2018. GPA intends to have all discussions and negotiations completed no later than August 31, 2018, after which date the Bid Evaluation Committee and the General Manager shall prepare their final report and recommendations. Appropriate notification of award shall be issued promptly after the CCU and PUC approval.

10. CANCELLATION OF INVITATION; DELAYS

GPA reserves the right to cancel or to withdraw this MSB, to delay determination on this MSB, or to reject all bids, in whole or in part, at any time prior to final award. The reasons for the cancellation, delay or rejection shall be made a part of the procurement file and shall be available for public inspection.

11. INSPECTION OF GPA PROPERTIES

Prospective bidders may inspect GPA properties on **May 22 -23, 2018**. These dates will be the only times available for on-site inspections. Please note that proposals are due on or before **August 1, 2018 at 2:30 p.m.** so plan accordingly if you plan to attend these inspections. GPA will provide a representative to conduct the inspections and answer questions on-site. Please advise the Supply Management Administrator, Ms. Jamie Pangelinan, if you plan to inspect the properties. Each person that plans to inspect GPA properties must be cleared by Homeland Security through GPA. Therefore, each person must submit a copy of their Passport to GPA a minimum of 5 business days prior to the inspection date to get security clearance to be allowed on GPA property.

12. SUMMARY OF SERVICES

All bidders should include a summary of how they envision servicing GPA account. Policy servicing should be identified specifically with a list and delivery timeline of services offered. Bidders should also identify the "Account Executive" that will be assigned to GPA and their support team along with frequency of visits, etc.

13. CCU and PUC APPROVAL

Contracts will be subject to the written approval of the Consolidated Commission on Utilities and the Public Utilities Commission on Guam.

14. REPRESENTATION REGARDING GRATUITIES AND KICKBACKS.

The bidder or contractor represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities and kickbacks set forth in Section 11-206 (Gratuities and Kickbacks) of the Guam Procurement Regulations.

15. REPRESENTATION REGARDING CONTINGENT FEES.

Contractor represents that it has not retained a person to solicit or secure a territorial contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business.

16. BID BOND

Along with the Bid Proposals on or before August 1, 2018 at 2:30 p.m., all bidders shall submit to GPA a bid bond in the amount of TEN THOUSAND U.S. DOLLARS (U.S. $10,000) made payable to the Guam Power Authority. In lieu of a bid bond, bidders may submit US currency valued at TEN THOUSAND U.S. DOLLARS (USD 10,000) in the form of cash in USD, bank draft, certified check, or by wire transfer to Guam Power Authority, Routing/Transit #121405115, Account No. 0601-026246, Bank of Guam, Hagatna, Guam. Bidders with unselected bids will have bid bonds returned with written notices of rejection. Bid bonds submitted in cash or certified check will be returned by wire transfer. Bidders shall advise GPA of bank, location and account number to facilitate delivery. In the absence of a telegraphic address, bid bonds will be returned by mail in check form payable to bidder. The bidder with the acceptable bid will have bid bond returned within ten business days of delivery of Insurance Binders for selected insurance policies by GPA. For the purposes of this solicitation, the bid bond is being required as an indication of "good faith" by the bidder and is in the best interest of GPA in accordance with the procurement laws, rules and regulations of the Government of Guam and GPA.

SECTION III: INSURANCE COVERAGE SPECIFICATIONS

1. INSURANCE COVERAGE

GPA seeks coverage for "all risks of loss" basis coverage to include but not limited to the following lines of business:

a. Property
b. Boiler and Machinery breakdown

c. Catastrophe Coverage including earthquake, flood, wind, and tsunami
d. Business Income/Extra Expense
e. Terrorism, both certified and non-certified acts; quoted on an optional basis
f. Cyber liability

The property, boiler & machinery, catastrophe, business income/extra expense, and terrorism is placed under one cover. GPA is seeking comparable or superior coverage to include all of the above coverage. Terrorism shall be quoted on an optional basis.

Acceptability of any and all proposals will be evaluated as to their overall economic value.

Primary Insurance Carriers or Fronting Carriers must have at least an A.M. Best Rating of A-, VII or greater to be considered.

Reinsurance companies or underwriters must be of demonstrated size and capacity to underwrite a Property program of the size of GPA.

2. BID FORMAT

Bidders are free to submit their bids in a convenient format, however, at a minimum; the bids should provide:

Bidder's Firm information including:

- Years in business
- Total property and total liability insurance premiums placed annually
- Ownership legal structure and ownership details
- Office location that would serve GPA
- Claims, loss control/engineering and other core services performed
- List of Power Generation accounts serviced by the account team
- Key personnel who would be placing and servicing the GPA's program
- Biography, certificates, designations, and licenses of account team and key personnel
- Other information that the respective firm believes GPA should consider
- Any key alignments with other insurance entity or intermediary (retail, wholesale, reinsurance, Lloyds, etc.)
- Bidder's experience with electric utilities or Energy Company, especially those with hurricane or earthquake exposure and boiler & machinery exposure.
- Copies of currently active Licenses of all intermediaries
- Primary (Fronting) Carriers' or underwriters' Certificate of Authority to Transact business on Guam
- Primary (Fronting) Carriers' or underwriters' Most recent AM Best rating

Insurance coverage terms including but not limited to:

- Explanation of any exceptions to the minimum coverage specifications
- Explanation of any coverage enhancements exceeding minimum specifications
- Explanation of any coverage deficiencies not meeting minimum coverage specifications
- Specifically noting which requested coverage enhancements have been achieved, which cannot be achieved and, if applicable, detail any additional enhancements that were obtained.
- Identification of Lead markets utilized to achieve the 20% commitment or market support. Lead markets and/or carriers must be rated A- or better by AM Best with minimum financial size of VII or greater.

- This insurance shall be governed by and construed in accordance with the laws of The Territory of Guam and the exclusive jurisdiction of the Territory of Guam courts. Should the policy require an arbitration clause then the seat of arbitration shall be Guam.
- Proposed policy forms and applicable endorsements in their entirety must be attached to proposals.
- Firm quotes or written confirmation of at least 20% support from insurers, underwriters, or reinsurers.

In order to show bidder's reliability and responsibility, bidder should substantiate its insurer financial capacity and industry reputation to honor and service the size and type of insurance proposed. Bidder should identify its service team, lead market, underwriters, and or insurers represented in as much detail as practical. All proposals must have, at a minimum, 20% of total lines substantiated by firm quotes from proposing underwriters, insurers, or reinsurers. Bidder should include proof of firm quotes either by signed/stamped slips or letters from underwriters, insurers, or reinsurers.

If bidder fails to supply information requested by GPA concerning the bidder's insurer's financial capacity and rating, which GPA may request any time prior to award, GPA shall base determination of responsibility on any available information, or GPA may find bidder non-responsive.

- RATING DATA

Information about GPA and its experience in peril exposure and risk retention and/or transfer is contained in the Rating Data attachment. Prospective bidders requiring additional rating data should address their inquiry to the Procurement Officer identified in this bid. Replies with significant data will be furnished to all persons who, on record, have registered for this multi-step bid (MSB) and have agreed in writing by signing the Non-Disclosure Agreement.

SECTION IV: CONTRACT TERMS

GPA is hereby inviting bids for insurance contracts (policies) on a multi-year or long-term basis (e.g., three years) with term to commence November 1, 2018 to November 1, 2021. GPA understands that most insurance policies have 12-month terms, so GPA is not requiring three-year policies. GPA fully expects to stay with selected insurance program for at least three years renewing on an annual basis.

Insurance policies proposed are acceptable for 12-month terms or 36-month terms billed annually.

Bidders will need to furnish the proposed contract which shall include at a minimum the following:

- Detailed description of the coverage terms proposed including but not limited to:
  - Any exceptions to the minimum coverage specifications outlined in this MSB
  - Specifically noting which requested coverage enhancements have been achieved, which cannot be achieved and, if applicable, detail any additional enhancements that were obtained.
- Premiums for proposed coverage comparable to the expiring coverage as set out in Appendix A, and, any incremental premiums resulting from coverage enhancements. Also, detail any premium increases or decreases for optional limits and deductibles requested in the coverage specifications.
- Lead markets that are utilized to achieve the 20% commitment. Fronting carriers or Primary insurers must be rated A-, VII or better by AM Best.

SECTION V: EVALUATION OF BIDS

In evaluating bids, GPA will consider which proposal offers the most robust and comprehensive insurance coverage available in the market by reputable and highly rated underwriters and carriers with the financial capacity to honor insurance terms for a program the size and quality as the Guam Power Authority with its assets of $1.1 Billion. GPA

reserves the sole right to determine the acceptability and ranking of bids in any respect to meet GPA's needs. In the evaluation process, the following factors will be considered:

CRITERIA	POINTS
• Ability to service GPA/past and current performance of similar contracts	5
• Utility, Municipality, and other large program insurance experience	5
• Intermediary, Underwriter, Insurance Carrier personnel and qualifications	10
• Industry reputation, Client References	10
• Financial capacity and current AM Best rating of carriers and re-insurers	20
• Breadth of Policy coverage and extent of restrictions or exclusions	40
• Additional coverages	10
TOTAL POINTS	100

GUAM POWER AUTHORITY
PROPERTY INSURANCE SPECIFICATIONS
MINIMUM COVERAGE REQUIREMENTS

POLICY INFORMATION:

Named Insured:

Guam Power Authority
and/or its Subsidiary, affiliates,
and/or Associated Agencies as now or hereafter constituted
P.O. Box 2977
Hagatna, Guam 96932-2977

Additional Named Insured's and Loss Payees as their interest may appear:

1. Government of the United Stated of America, in respect of various facilities on Guam owned by the United States of America and leased to the Guam Power Authority
2. Bank of Guam

Policy Period:

From the 1st of November 2018 to the 1st of November 2019 both days at 00:01 hours Local Standard Time at the locations of the Property Insured.

- GPA expects to go through renewals each year.

Property and Interest Insured

Material Damage

Real and personal property including Buildings, Furniture, Fixtures and Equipment, Law and Ordinance Coverage for all property, Contents, Plant, Fuel Stocks, Transmission and Distribution lines on Generating Premise and within 1,000 feet of premises, Underground Transmission and Distribution lines, Machinery and Boilers of every kind, nature and description (including improvements and betterments) owned, leased, acquired, used or intended for use by the insured, or hereafter Erected, Installed or Acquired including whilst in the Incidental Course of Construction, Erection, Installation and Assembly and Real and Personal Property of Others in the Insured's Care, Custody, and Control and including Property in the Care, Custody, and Control of Third Parties and the Insured's liability imposed by law or assumed by contract (by an officer of the Insured) for such Property and/or at the option of the Insured Personal Property of the Insured's Officials and Employees while on the Premises of the Insured and/or Contractors' and Vendors' interests in property covered to the extent of the Insured liability imposed by law or assumed by contract, (by an officer of the Insured) and/or Property in Transit and/or Storage including Raw Materials, Expediting Expenses, Valuable Paper, Bullion, Manuscripts, Drawings, Blueprints and/or Specifications, Leasehold Interest and Records, Accounts Receivable, Electronic Data Processing Equipment, Computer Equipment, Computer Date and Media, Petroleum Products which are liquid form at normal atmospheric pressures and temperatures while such products are in underground storage, and foundations,

piers or other supports of brick, stone or concrete, and shafts, tunnels, and dams, and all structural parts and all appurtenant structures and equipment at the side of underground power houses, and cables, wires and underground conduit and underground Transmission and Distribution lines.

Territorial Limits

Various locations in Guam and whilst in inland transit

Sum Insured

USD $300,000,000 each and every occurrence in respects Property Damage/Business Interruption/Extra Expense combined for 100% subject to sub-limits stated below.

Optional Limits: USD 400,000,000 and USD 500,000,000

Sub-limits

Business Interruption – USD $5,000,000 each and every occurrence

Extra Expense – USD $15,000,000 each and every occurrence

Earthquake, Flood, Windstorm, Cyclone, Typhoon, and Tsunami – USD $100,000,000 each and every occurrence

Debris Removal – USD $10,000,000 or 10% of loss whichever the greater

Seepage of pollution – USD $5,000,000

Ingress/Egress – 30 days and limited to loss occurring within five (5) statute miles of the insured's premises

Military/Civil Authorities Clause – 30 days and limited to loss occurring within five (5) statute miles of the insured's premises

Protection and Preservation of Property – USD $1,000,000 each and every occurrence

Underground Transmission and Distribution Lines – USD $35,000,000

Property in the Incidental Course of Construction – USD $25,000,000

Certified and Non-Certified Acts of Terrorism – USD $200,000,000

Basis of Valuation:

Replacement Cost value for all property regardless of age or condition. See attached property schedule for values.

Retentions:

- Property damage
  - USD $2,500,000 each and every occurrence in respect of all perils other than Earthquake, Flood, Wind, and Tsunami (for 100%) for locations with a declared estimated Replacement Cost value equal to or greater than USD $10,000,000

- USD $1,000,000 each and every occurrence in respect all perils other than Earthquake, Flood, Wind, and Tsunami (for 100%) for locations with a declared estimated Replacement Cost value less than USD $10,000,000
- USD $10,000,000 each and every occurrence in respect of Earthquake, Flood, Wind, and Tsunami (for 100%);
- Business Interruption: 60 days each and every occurrence
- Extra expense: 60 days each and every occurrence

Co-insurance

None

Additional Coverages:

- Cyber Liability Coverage
  Limits: USD 5,000,000 each claim and in the aggregate
  Deductible: USD 50,000 each claim

Underwriting Information

Please find attached a list of underwriting information

Property Schedule is replacement cost

Policy Form

All risk property form

Appendix A

GPA Current Insurance Program

COVERAGE	LIMITS	RETENTIONS
Property and Boiler & Machinery	$300,000,000 Blanket	$2,500,000/$1,000,000
Business Interruption	$5,000,000	60 days
-Terrorism, All Risk	$200,000,000	$2,500,000
Extra Expense	$5,000,000	60 days
Cyber Liability Coverage	$5,000,000 each claim/aggregate	$50,000
	SUBLIMITS:	
Earthquake, Flood, Typhoon and Tsunami	$100,000,000 Blanket	$10,000,000
Underground T&D lines	$35,000,000	$1,000,000

Appendix B

GPA INSURANCE RATING DATA

Appendix C

GPA LOSS HISTORY

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

Issues for Decision

Resolution No. 2018-07:

Authorizing the Management of Guam Power Authority (GPA) to Extend the Energy Conversion Agreement (ECA) for the Piti #8 and #9 Slow Speed Diesel Power Plant for Five (5) Additional Contract Years

What is the project's objective? Is it necessary and urgent?
GPA's current ECA with Marianas Energy Company expires January 2019. The ownership of Piti #8 and #9 will transfer to GPA upon ECA expiration. GPA does not have the means to operate and maintain this plant reliably. Notably, GPA neither has the O&M supply chain nor experienced personnel. Currently the most reliable baseload units, Piti #8 and #9 are critical for assuring adequate, uninterrupted power supply. The loss of Piti #8 and #9 increases fuel consumption by over $200,000/per day of outage.

GPA and customers benefit significantly by extending the Energy Conversion Agreement:

- **Retain O&M expertise of the units at a critical time**. There are very few land-based slow speed diesel plants; extending MEC contract retains critical expertise allowing for proper cross-training once the new contract is awarded (cross training will start once the extension period commences, and before the new contract commences; overlap between MEC employees and new IPP employees ensures critical knowledge and skills are documented and transferred). GPA has a slim margin for reserve generation in the next few years with Piti #8 and #9 prior to the new power plant commissioning.
- **Retain relationship with OEM and allow GPA (and MEC) to contract with OEMs and key suppliers for critical repairs, upgrades and upcoming conversion of ULSD**. MEC's strategic advantage includes supply chain relationships with OEMs and key suppliers. Without an extension, GPA cannot smoothly undertake key capital improvement projects such as conversion to ULSD, turbo-charger upgrades, and cylinder liner/injection system upgrades recommended by preliminary Plant Assessment Review studies.
- **Efficient Procurement Process**. MEC can ensure there is adequate inventory, and can also expedite procurement of necessary equipment and services in case of emergency.
- **Allows efficient operation and maintenance of the plant throughout the period when GPA completes projects related to environmental compliance, as well as during the award, construction and installation of the new power plant.**

Where is the location?
The Piti #8 and #9 Power Plant is located in Cabras, Guam.

The RFP/BID responses:
If approved, the extension would be for the existing contract. A new ECA bid for 15 to 20 years beyond the five year extension will be issued in 2020.

What is its funding source?
Revenue Funds

How much will it cost?

	Annual Cost X 1,000	
Re-Capitalization Fee	7,067	
Fixed O&M	10,085	$6.372/kW/mo
Variable O&M	2,245	$0.0024/kW/mo
TOTAL	19,397	

	Re-Capitalization Fee	**1**	**2**	**3**	**4**	**5**	
		2019	**2020**	**2021**	**2022**	**2023**	**Total**
	CIP/PIP (CAPEX)						
1	Diesel Engine	764,058	1,070,741	898,978	0	0	2,733,777
2	Electrical Sys./Generators /Transformers	0	71,500	132,000	132,000	0	335,500
3	Engine Auxiliary Equipment	869,668	807,034	225,566	0	0	1,902,267
4	Steam System	377,893	384,709	334,950	0	0	1,097,551
5	BOP's	2,252,846	1,761,805	512,664	0	0	4,527,315
6	CIP/PIP (CAPEX)	**4,264,465**	**4,095,788**	**2,104,158**	**132,000**	**0**	**10,596,411**
	MAJOR OVERHAUL						
7	Labor	60,500	62,315	64,185	143,110	145,093	475,203
8	Spare Parts	642,678	687,895	687,895	688,125	688,125	3,394,718
9	Rotating Spares	72,719	78,552	78,552	138,248	138,247	506,318
10	MAJOR OVERHAUL	**775,897**	**828,762**	**830,632**	**969,483**	**971,465**	**4,376,239**
11	**Retrofit from BWSC**				**16,022,512**		**16,022,512**
12	**Sub-Total**	**5,040,362**	**4,924,550**	**2,934,790**	**17,123,995**	**971,465**	**30,995,162**
13	**Cost of Money (4% of Sub-Total)**	201,614	196,982	117,392	684,960	38,859	1,239,806
14	**EPC O&M Fee (10% of Sub-Total)**	504,036	492,455	293,479	1,712,399	97,147	3,099,516
15	**TOTAL**	**$5,746,012**	**$5,613,987**	**$3,345,661**	**$19,521,354**	**$1,107,470**	**$35,334,484**

Per Year $7,066,897
Per Month $588,908

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

RESOLUTION NO. 2018-07

RELATIVE TO AUTHORIZATION OF PITI 8&9 CONTRACT EXTENSION

WHEREAS, in 1996 under an Energy Conversion Agreement (ECA), GPA contracted an Independent Power Producer for a Build, Operate and Transfer (BOT) project to construct Piti 8 & 9 Power Plant, perform twenty-years of Operation and Maintenance (O&M), and transfer ownership of the plant to GPA at the end of the contract term; and

WHEREAS, Marianas Energy Company currently manages and operates the plant under the ECA which will expire in January 2019; and

WHEREAS, the Piti 8 & 9 Power Plant contains two slow speed diesel units providing 88 MW of production capacity which is 42% of GPA's total baseload capacity; and

WHEREAS, GPA does not have the staff to manage, operate, and maintain the Piti 8 & 9 Power Plant upon the transfer date of January 2019; and

WHEREAS, GPA proposes a private-public partnership to maintain high efficiency and reliability necessary to support the Island Wide Power System (IWPS); and

WHEREAS, GPA intended to solicit for a new IPP contract but was only recently able to complete a site inspection of the plant performed by specialists in slow speed technology that identifies necessary life extension, safety, and environmental projects required for optimum plant operation; and

WHEREAS, the delay in this task prevented timely completion of the bid documents and may impact the transition to a new IPP contract prior to the ECA expiration date; and

WHEREAS, GPA continues to experience delays in contract awards due to procurement protests which may impact the transition schedule; and

RESOLUTION NO: 2018-07

WHEREAS, without a contract extension, MEC will not continue to manage and operate the power plant beyond January 2019; and

WHEREAS, land-based slow speed diesel plants are unique, and there may be challenges in seeking or retaining employees having specialized skills in the operation and maintenance of these units; and

WHEREAS, the continued reliability of the MEC power plant is crucial to the IWPS especially since the loss of the Cabras 3&4 Power Plant and the aged condition of the Cabras 1&2 Power Plant; and

WHEREAS, prior to operation of the New Power Plant, an outage of both Piti 8 & 9 is estimated to cost customers an additional $221,658 in fuel expenses per day assuming a system peak of 277 MW, all other units available, a $60/bbl RFO cost, and an $80/bbl ULSD cost; and

WHEREAS, sustained outages of Piti 8 & 9 will result in increased use of the Cabras 1&2 power plant and less efficient Combustion Turbine Power Plants; and

WHEREAS, with the recommended capital investments and planned conversion from RFO to ULSD fuel, GPA will benefit if the plant is managed by the firm that has an established relationship with OEMs and key suppliers; and

WHEREAS, an extended period of cross-training and transitioning prior to expiration of the ECA and before a new IPP contract commences will ensure the plant will continue to be operated and maintained by qualified personnel; and

WHEREAS, GPA and MEC have mutually agreed to negotiate a 5-year extension of the contract starting in January 2019 pursuant to Article 32 of the ECA as indicated in the attached Exhibit, “MEC Contract Extension Agreement”; and

WHEREAS, approval is requested to allow the General Manager to negotiate an extension to the ECA with MEC for an additional 5 years, and to petition the PUC for approval to negotiate the contract extension.

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

1. The CCU authorizes GPA to negotiate an extension of the Energy Conversion Agreement for management, operations, and maintenance of Piti 8 & 9 power plant with Marianas Energy

RESOLUTION NO: 2018-07

Company with the following contract parameters as laid out in the attached Exhibit, "MEC Contract Extension Agreement":

a. Term: 5 years
b. Fees:
    i. Annual Fixed Recapitalization Fee of $7,067,000 for $35,334,000 of priority projects needed to ensure plant reliability, and the fuel conversion to ultra-low sulfur diesel to comply with USEPA regulations.
    ii. Fixed O&M Fee = $6.3720/kW per month estimated at $10,085 million annually
    iii. Variable O&M Fee = $0.0024/kWh estimated at $2,245 million annually
c. Performance Guarantees
    i. Heat Rate – 7,720 BTU/KWH (HHV)
    ii. Availability – 90%
d. Other requirements
    i. Annual Performance Test (Heat Rate)
    ii. ULSD Fuel Conversion

2. The General Manager is authorized to petition the PUC for approval of the extension.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 27th DAY OF MARCH 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary
Consolidated Commission on Utilities Consolidated Commission on Utilities

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

RESOLUTION NO: 2018-07

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

March 26, 2018

Mr. Takahiro Fujioka
Chairman
Marianas Energy CO.
180 Cabras Highway
Piti, Guam 96915

RE: GPA and MEC
Agreement to Contract Extension January 2019 to January 2024

Hafa Adai Mr. Fujioka:

This letters serves as notice of the following:

GPA and MEC have agreed to extend the ECA for a period of 5 years subject to approval of the Consolidated Commission on Utilities, the Guam Public Utilities Commission, and MEC's parent company, Osaka Gas.

The major changes to the agreement are as summarized in the following pages and will be incorporated into the contract amendment once all necessary approvals are received.

Agreed to by the following authorized parties:

3/26/18

JOHN M. BENAVENTE, P.E.
General Manager
Guam Power Authority

Date

3/26/2018

TAKAHIRO FUJIOKA
Chairman
Marianas Energy Co.

Date

MEC CONTRACT EXTENSION AGREEMENT

FEATURE	CURRENT	NEW REQUIREMENT	Contract Section
Ownership	IPP	GPA, with Capital Lease	Clause 2 The Project Clause 14 Transfer of Ownership
Format / Structure	MEC ECA	MEC ECA, with changes applied to Fees and Payments, Re-Capitalization Fee: 7,067 Fixed O&M: 10,085 $6.372/kW/mo Variable O&M: 2,245 $0.0024/kW/mo TOTAL: 19,397	Clause 2 The Project Clause 11 Fees
Insurance	IPP	GPA is the main insured. MEC is responsible for liability insurance, worker's compensation, and automobile insurance. GPA is responsible for property insurance and any deductibles for the Plant. For the avoidance of doubt, insurance premiums borne by MEC shall be a full pass through cost to GPA. GPA will provide valuation; full-replacement value	Clause 13 Insurance
Contract Period		5-Year Extension from January 31, 2019 to January 31, 2024	Clause 1 Definition of Terms
Fuel	RFO, GPA supplies and pays for fuel Current Requirements: (1) GPA reimburses IPP for expenses in major maintenance & repair of fuel supply system (2) GPA takes care of Waste Oil Hauling	GPA supplies and pays for fuel IPP will handle of all regular/major maintenance, and also waste-oil disposal MEC is responsible for the procurement of Lube Oil. Lube Oil cost shall be a full pass-through cost to GPA based on the actual procurement cost of MEC. GPA to provide tax exempt status to MEC in a timely manner. GPA is responsible for any lube price index adjustments.	Clause 9 Supply of Fuel & Start-up Electricity Fourth Schedule – Specifications of Fuel Supply and Start-up Electricity Fuel Management Agreement
Availability Guarantee	90% EAF Total Downtime Hours should not exceed 876 hours, with additional hours	90% minimum Penalty if AF is below 90%, applied as a deduction to the Fixed Management and Variable O&M Fees for every % below 90%	Sixth Schedule – Electricity Delivery Procedures Eighth Schedule – Fees for Power and Energy

T.F.

MEC CONTRACT EXTENSION AGREEMENT

FEATURE	CURRENT	NEW REQUIREMENT	Contract Section
	added for each year there is a major overhaul. Any unused hours (i.e. if total downtime is less than 876) carries forward to the next contract year.		
Permits	IPP	GPA as owner of plant, but IPP will handle all permits and ensure all regulatory requirements are met.	Clause 2 – The Project, Sec. 2.5
Regular Plant Evaluations	Currently, not required	YES	Currently not in the contract; need to add to: Clause 2 The Project Clause 11 Fees Or as a new Clause or Schedule
CIP	IPP Current Requirements: IPP currently not required to share CIP information to GPA	Attachment A Capital Investment Plan that will be agreed upon by GPA and MEC. Payment of the fees will be subject to MEC successfully completing CIPs. Budget shall be tracked to identify savings or additional costs.	Currently not in the contract; need to add to: Clause 2 The Project Clause 11 Fees Or as a new Clause or Schedule

MEC CONTRACT EXTENSION AGREEMENT

ATTACHMENT A
Capital Investment Plan

Re-Capitalization Fee	1	2	3	4	5	
	2019	2020	2021	2022	2023	Total
CIP/PIP (CAPEX)						
Diesel Engine	764,058	1,070,741	898,978	0	0	2,733,77
Electrical Sys./Generators /Transformers	0	71,500	132,000	132,000	0	335,50
Engine Auxiliary Equipment	869,668	807,034	225,566	0	0	1,902,26
Steam System	377,893	384,709	334,950	0	0	1,097,55
BOP's	2,252,846	1,761,805	512,664	0	0	4,527,31
CIP/PIP (CAPEX)	**4,264,465**	**4,095,788**	**2,104,158**	**132,000**	**0**	**10,596,41**
MAJOR OVERHAUL						
Labor	60,500	62,315	64,185	143,110	145,093	475,20
Spare Parts	642,678	687,895	687,895	688,125	688,125	3,394,71
Rotating Spares	72,719	78,552	78,552	138,248	138,247	506,31
MAJOR OVERHAUL	**775,897**	**828,762**	**830,632**	**969,483**	**971,465**	**4,376,23**
Retrofit from BWSC				**16,022,512**		**16,022,51**
Sub-Total	**5,040,362**	**4,924,550**	**2,934,790**	**17,123,995**	**971,465**	**30,995,16**
Cost of Money (4% of Sub-Total)	201,614	196,982	117,392	684,960	38,859	1,239,80
EPC O&M Fee (10% of Sub-Total)	504,036	492,455	293,479	1,712,399	97,147	3,099,51
TOTAL	**$5,746,012**	**$5,613,987**	**$3,345,661**	**$19,521,354**	**$1,107,470**	**$35,334,48**

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

GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 21–FY2018

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 Power Authority and the Guam Waterworks Authority; and

WHEREAS, the Guam Power Authority ("GPA") and the Guam Waterworks Authority ("GWA") are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the CCU has directed GPA and GWA to review the existing reporting requirements of the Officers of the Authorities along with the manner and frequency of evaluating the performance of the individual in each position; and

WHEREAS, GPA and GWA drafted a new unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") to memorialize the responsibilities of the CCU and the General Managers with respect to assessing the performance of the executive officer team for each utility with the intent of establishing and documenting the performance goals and objectives for the officer team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed; and

WHEREAS, the CCU has solicited comments from GPA & GWA General Managers and General Counsels regarding the proposed EXECUTIVE OFFICER EVALUATION POLICY; and

WHEREAS, management of GPA and GWA request the CCU to adopt the proposed unified EXECUTIVE OFFICER EVALUATION POLICY.

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

1. The unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") for GPA and GWA is hereby adopted to include the General Managers, Chief Financial Officers and General Counsels of GPA and GWA.
2. This policy shall be effective for the Guam Power Authority, Guam Waterworks Authority and the Consolidated Commission on Utilities on April 1, 2018.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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: _____

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

GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 17–FY2018

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ABSENT: _____

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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EXECUTIVE OFFICER EVALUATION POLICY

Section 1. AUTHORITY

In accordance with 12 GCA §79101, the Consolidated Commission on Utilities (CCU) hereby adopts the following Policy on Personnel Performance Evaluations, to assist in the conduct of its affairs.

Section 2. PREAMBLE

The CCU is tasked under law with the responsibility of recruitment, management and direction of the executive management positions for both the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA), specifically the General Managers, Chief Financial Officers, and General Counsels for the respective utilities.

The CCU desires to proactively and regularly assess the performance of the executive management team for each utility with the intent of establishing and documenting the performance goals and objectives for the management team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed.

The CCU formally defines the roles of the executive management team of each utility as follows:

General Manager - Leads the executive management team and is responsible for the overall performance of the utility with the responsibilities defined in and in accordance with the provisions of the law.

Chief Financial Officer – Works with the General Counsel in support of the General Manager and is responsible for the financial performance of the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

General Counsel – Works with the Chief Financial Officer in support of the General Manager and is responsible for all legal matters for the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

EXHIBIT A

To this end, the CCU intends to formalize and document the manner in which personnel performance evaluations are conducted through a formal policy which will clarify the intent of this activity and set the general guidelines by which the activity is to be conducted.

Section 3. STATEMENT OF POLICY

It is the policy of the CCU to conduct individual performance evaluations for each member of the executive management team of both the GPA and GWA at a minimum of once per annum in accordance with the following guidelines.

Section 4. GENERAL GUIDELINES

(a) The CCU shall conduct performance evaluations for the following positions on at least an annual basis:

1. GPA General Manager
2. GPA Chief Financial Officer
3. GPA General Counsel
4. GWA General Manager
5. GWA Chief Financial Officer
6. GWA General Counsel

(b) The Chairperson shall call for the performance evaluation of each of the above employees at a schedule convenient for the Commission.

(c) All Commissioners shall participate in the performance evaluation and provide their input and feedback to the Chairperson.

(d) The CCU shall set the performance criteria to be used in the evaluation and discuss the same with each employee upon hiring or within the first quarter following the date of hire. In the case of employees in the above positions prior to the adoption of this policy, the CCU shall discuss the performance criteria at the first performance evaluation subsequent to adoption of the policy.

(e) The CCU may adopt any forms or formats for the documentation of the performance evaluation, and may, from time to time, revise the forms or formats as needed to meet the intent of this policy.

(f) The CCU shall solicit evaluations from each General Manager, as leader of the executive management team, which shall be made part of the CCU's performance criteria used in each evaluation conducted on the Chief Financial Officer and General Counsel.

(g) The CCU shall meet with each employee listed above individually to discuss the results of the performance evaluation and to set, review and/or revise the performance goals and objectives for the next performance period.

(h) In accordance with Section 3, paragraph (g) of the CCU Code of Ethics, such performance evaluations shall be performed in a closed executive session in accordance with Guam Law.

Section 5. DISSEMINATION

A copy of this policy shall be delivered to each and every new member of the CCU no later than two weeks after such new member takes office.

Section 6. EFFECTIVE DATE

This Policy shall take effect upon approval by and affirmative vote of the majority of the Commissioners of the CCU.

SO APPROVED this _____ day of March, 2018.

_____ _____

JOSEPH T. DUENAS
Chairman

FRANCIS E. SANTOS
Vice-Chairman

_____ _____

J. GEORGE BAMBA
Secretary

SIMON A. SANCHEZ, II
Commissioner

_____

DR. JUDITH P. GUTHERTZ, P.A.
Treasurer

DRAFT

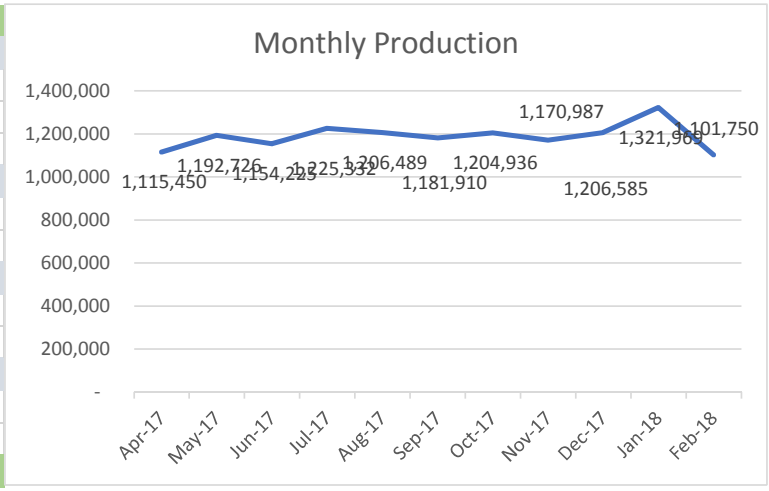
GUAM WATERWORKS AUTHORITY

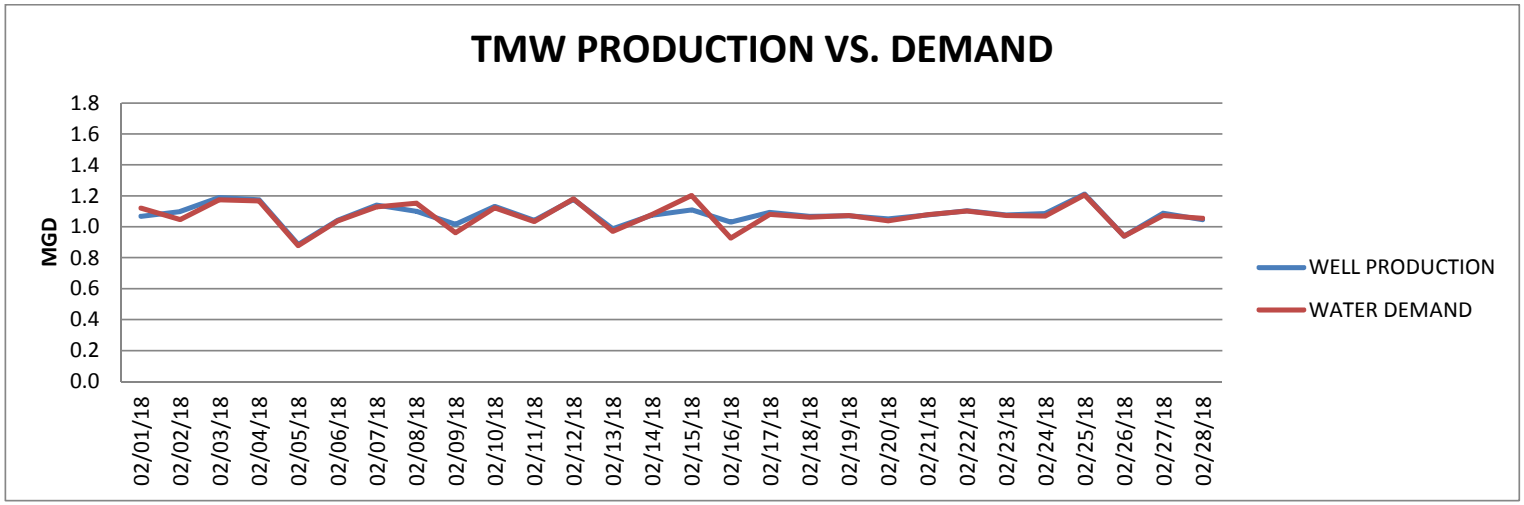
General Manager's Report
GPWA CCU Board Meeting, March 27, 2018

Operations Update

Production

Monthly Production Summary - February 2018				
Deep Wells			32.6	MGD
	Active wells =	97 of 120		
	Avg days in operation =	28.00 days		
	Total Production =	1,011,304 Kgals		
Springs			0.00	MGD
	Avg days in operation =	0 days	*placed on standby	
	Total Production =	0 Kgals		
Ugum Surface Water Plant			1.9	MGD
	Avg days in operation =	28 days		
	Total Production =	60,285 Kgals		
Tumon Maui Well			0.97	MGD
	Avg days in operation =	28 days		
	Total Production =	30,161 Kgals		
		1,101,750 Kgals	35.5	MGD

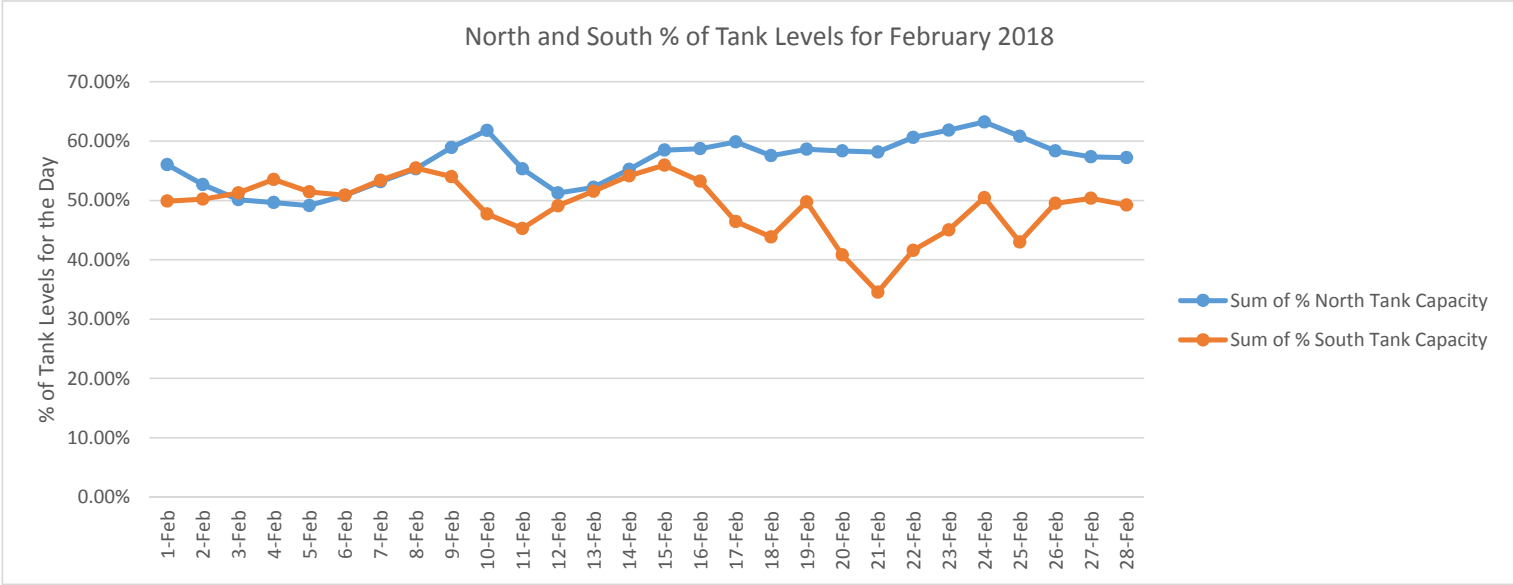




Distribution

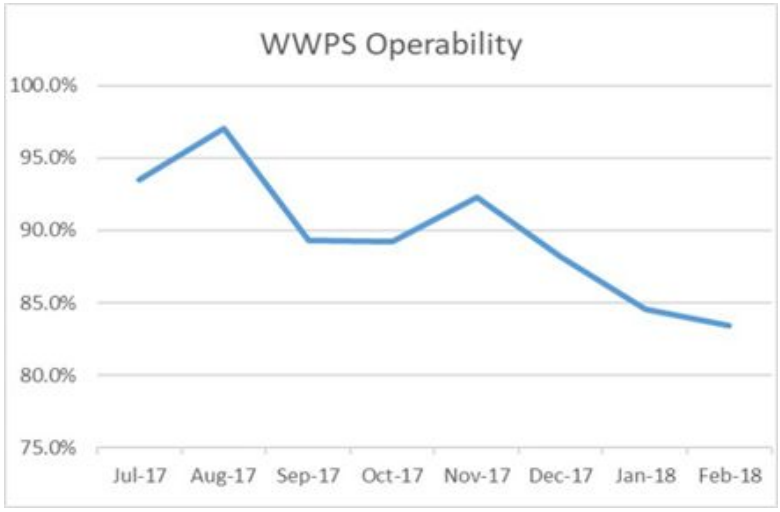
Monthly Distribution Summary - February 2018					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	21	18	85.7%
	Central	7	16	16	100.0%
	Southern	7	16	16	100.0%
		25	53	50	94.3%





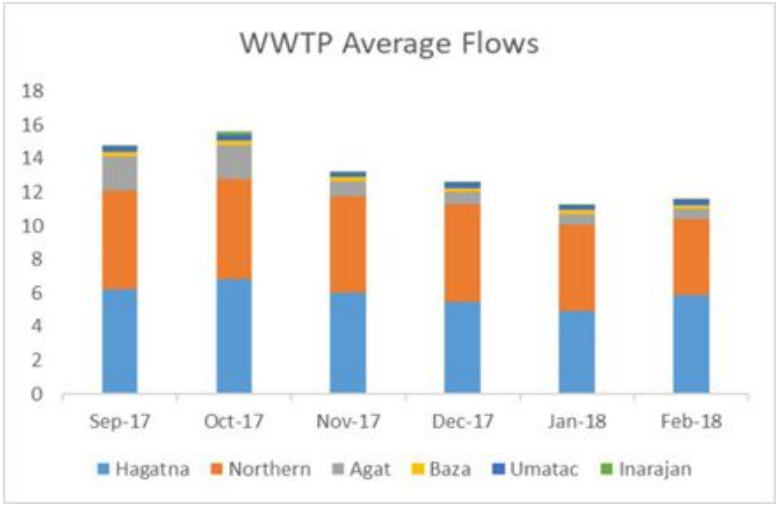
Wastewater Collections

Monthly Collections Summary -February 2018					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	47	90.4%
	Central	29	63	52	82.5%
	Southern	27	54	42	77.8%
		78	169	141	83.4%

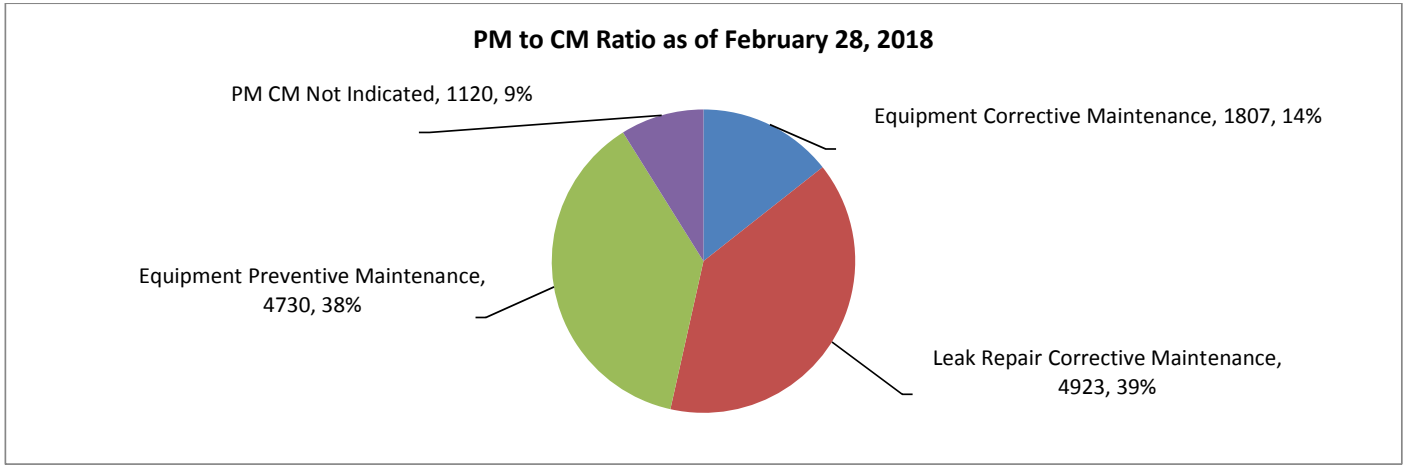


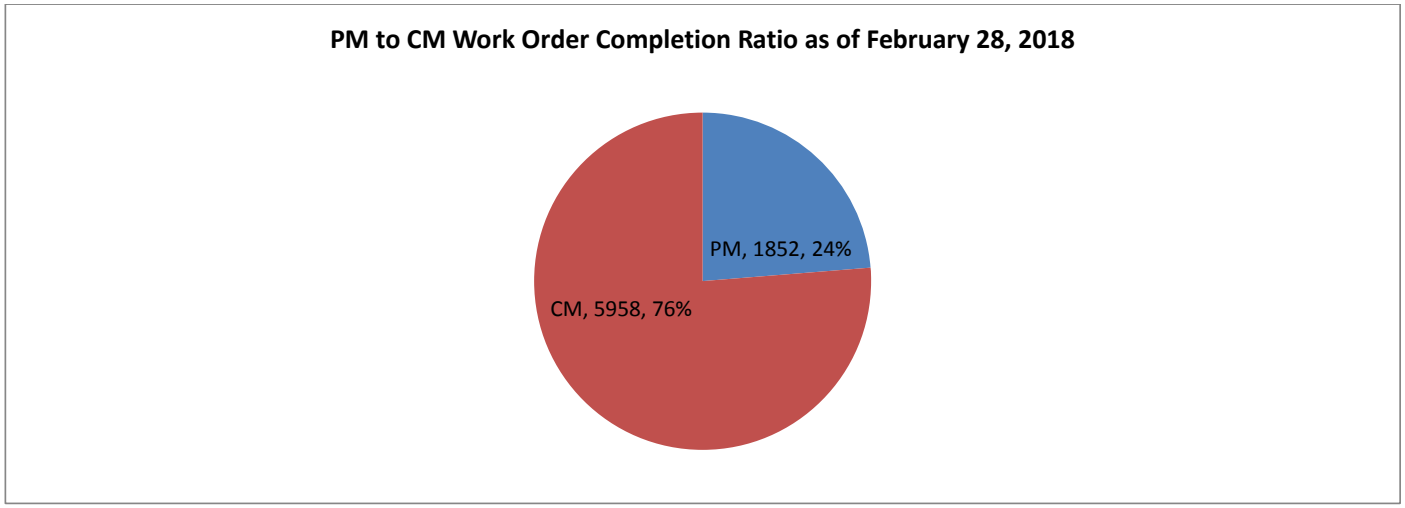
Wastewater Treatment

Monthly Wastewater Treatment Summary - February 2018				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	5.90	792,880	$ 71,359
	Northern	4.51	1,210,220	$ 108,920
	Agat	0.58		
	Baza	0.25		
	Umatac	0.30		
	Inarajan	0.05		
		11.59	2,003,100	$ 180,279



Asset Management





Operational Issues

- Update to water audit being conducted
- AWWA Benchmarking Survey being conducted
- USEPA Inspections of WWTPs conducted and reports issued
    - NDWWTP – inspection results were good
    - Hagatna WWTP – several issues identified in report; have been addressed.
        - Effluent pump was down – repair on one pump completed, critical spare motor in procurement
        - Digester mixer was down – repairs in progress
        - Floc chamber mixers down – repairs have been completed
        - Centrifuge was down – repairs underway
        - Safety issue – motor guards not in place during operation; were removed for refurbishment (corrosion); have been reinstalled.

Production & Distribution

- Leak repair
    - backlog has been significantly cleared; less than 60 pending repairs, less than 20 backhoe required repairs
    - pending IFB for leak repair services
    - pending for advanced remote leak detection services pending
- Ugum WTP – assessment of existing SCADA system completed; meeting to discuss potential scope additions on basis of findings.
- GAC Treatment Systems for wells affected by PFOS
    - NAS-1
        - Permanent modifications to NAS-1 GAC Treatment System pending – confirmed for summer break;
        - Replacement Carbon being ordered
    - A-23/A-25:
        - existing GAC canisters for re-use have been isolated from the system and are being cleaned;
        - GWA evaluating potential to re-program DOI grant funding to expedite this work.
    - GIAA System: GIAA advised to provide replacement GAC
- 2018 Pump/Motor order – released on February 16, 2018
- GWA Crane Repair –repairs have been made and unit is finally working; last error code being investigated; anticipate release this month
- Well Maintenance Rig – received; staff has been trained; deployment being planned

Wastewater Collection & Treatment

- CCTV:
  - Crews completed approximately 5 miles in February; work schedule impacted by smoke testing and inspections cross connections to storm drainage system in Hagatna per USEPA request.
  - Additional training for software and equipment maintenance being planned.
- Pump station facility maintenance efforts underway – more than 50% complete for initial in-house efforts.
- FOG Program
  - Program Manual revisions completed
  - 2nd Residential Collection Program being coordinated for Central service area
- Agana WWTP outfall pump repairs completed; mixer motors for floc basin repairs completed.

Meters

COMPLETED FIELD ACTIVITY JAN 2017 THRU FEB 2018 (POSTED IN CIS)	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	TOTAL:	FEB 2018 COMPLETED FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Test Meter	30	9	9	371	745	87	393	743	1000	1007	434	378	750	969	6925	459
GWA - Meter Exchange	393	179	220	276	482	353	501	807	1526	1039	452	259	239	1086	7812	516
GWA - Verify Zero Report	30	124	114	94	96	402	261	199	550	89	82	169	356	106	2672	140
GWA - Verify Low Usage	0	0	0	2	37	36	196	488	657	202	127	612	858	1122	4337	1392
TOTAL:	453	312	343	743	1360	878	1351	2237	3733	2337	1095	1418	2203	3283	21746	2507

# OF METERS TESTED AS PER METER TEST FACILITY REPORTS:	345	350	144	252	305	210	302	397	1013	1130	927	704	721	1041	7841	
# OF BACKBILLINGS APPLIED AS PER FINANCE REPORTS:	0	0	0	20	122	84	29	111	219	80	77	4	136	23	905	$ 708,341.40

# OF FIELD CREW PERFORMING CHANGE OUTS:	19	10	13	9	21	21	14	24	35	28	28*	28*	5	13
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CIS:	7	4	5	6	9	9	10	13	15	15	13	13	8	11
# OF SUPPLY STAFF TO ISSUE MATERIALS AND PROGRAM NEW METERS:	2	2	2	2	2	2	2	2	2	2	2	2	2	4
# OF TEST FACILITY PERSONNEL TESTING METERS:	2	2	2	3	3	3	3	3	3	3	3	3	3	2
# OF ACCOUNTANTS CALCULATING BACK BILLS:	0	0	0	2	3	2	2	3	3	2	2	2	2	2
TOTAL:	30	18	22	22	38	37	31	45	58	50	48	48	20	32

*Project overtime on hold Nov 18, 2017 thru Dec 16, 2017. During this period, 4 personnel performed work on this project during the regular work day with a majority of the work completed during Nov and Dec month occuring before and after the OT moratorium.

Marbo (Andy-South) Wells – Status

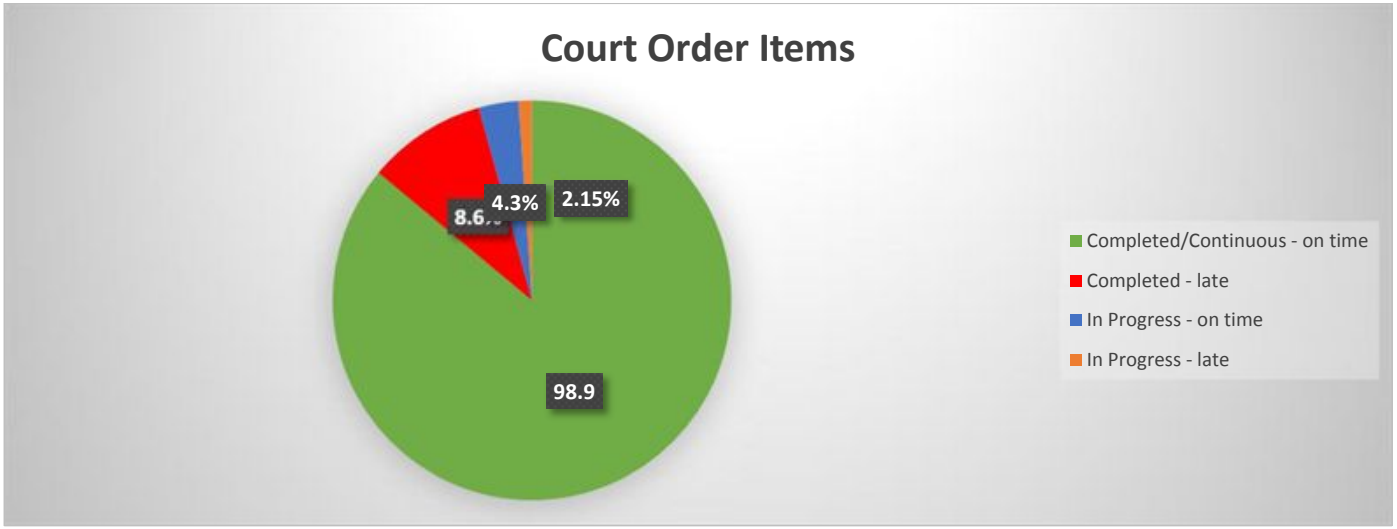
- Governor's Counsel provided recommended modifications to re-conveyance document to GSA
- GSA has not accepted the proposed changes
- Involuntary reversion appears imminent; GWA Counsel transmitted draft easement documents to GSA for consideration with DoD

One Guam Update

- Tumon Maui Well:
  - GWA's Consultant B&C are working to develop a plan to address the Leaks from the vent shaft, it is difficult to determine the extent of the problem until we have heavier rains, a plan of action will be developed once we are able to determine the extent of the problem.
- Santa Rosa Tank:
  - B&C did a presentation on the modelling results on the appropriate levels for the tanks to ensure that neither party will be negatively impacted.
  - GWA has worked through design issues with DoD; changes are in progress.
- Agat Santa Rita WWTP:
  - Navy heard there was an ordnance found on the site. NFM would like to know where it was found, on GWA's property or Navy's with GWA's easement. GWA will email the GPS coordinates
- Distribution Systems:
  - GWA continues to work with DOD to resolve wastewater line issues in the Leon Guerrero area.

Court Order

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance %
Court order total	93	80	1	9	3	98.9%



Status Information

- 1 item delayed
  - Meters
- Final Date to complete all Court Order items is December 31, 2020.
- Overflow or Bypass events reported to USEPA:
  - No new spills.

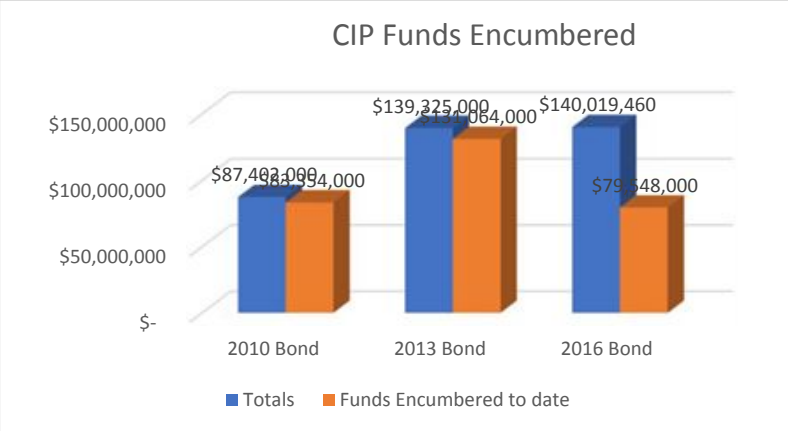
CIP Summary

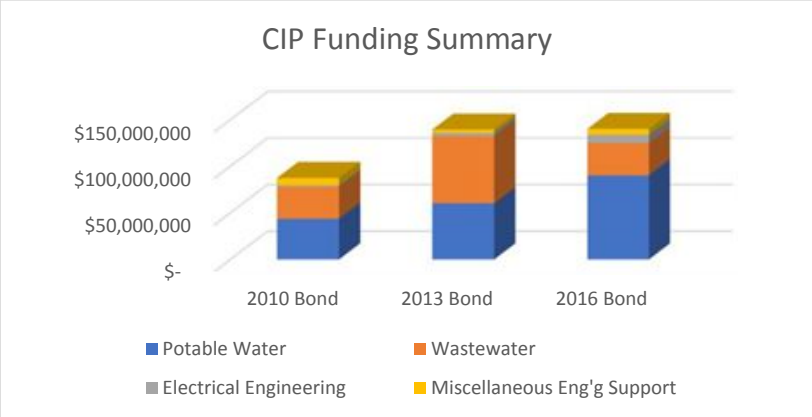
CIP Summary - Project Encumbrance

	2010 Bond		2013 Bond		2016 Bond			
	Funded	Complete	Funded	Complete	Funded	Complete	Total CIP Projects	%
Potable Water	28	17	21	7	20	0	35	49%
Wastewater	16	13	7	3	8	1	22	31%
Electrical Engineering	5	5	6	1	5	0	10	14%
Miscellaneous Eng'g Support	2	0	3	1	4	1	4	6%
Totals	51	35	37	12	37	2	71	100%
% of Total CIP by Fund Source	72%		52%		52%			

CIP Summary - Project Amounts

	2010 Bond		2013 Bond		2016 Bond			
	Funded	%	Funded	%	Funded	%	Total CIP Projects	%
Potable Water	$ 41,903,305	48%	$ 58,317,117	42%	$ 64,647,830	46%	$ 164,868,252	45%
Wastewater	$ 36,009,577	41%	$ 73,837,883	53%	$ 60,227,170	43%	$ 170,074,630	46%
Electrical Engineering	$ 1,748,118	2%	$ 3,395,000	2%	$ 8,750,000	6%	$ 13,893,118	4%
Miscellaneous Eng'g Support	$ 7,741,000	9%	$ 3,775,000	3%	$ 6,394,460	5%	$ 17,910,460	5%
Totals	$ 87,402,000	100%	$ 139,325,000	100%	$ 140,019,460	100%	$ 366,746,460	100%
Funds Encumbered to date	$ 83,354,000	95%	$ 131,064,000	94%	$ 79,548,000	57%		
% of Total CIP Funding	23.8%		38.0%		38.2%			

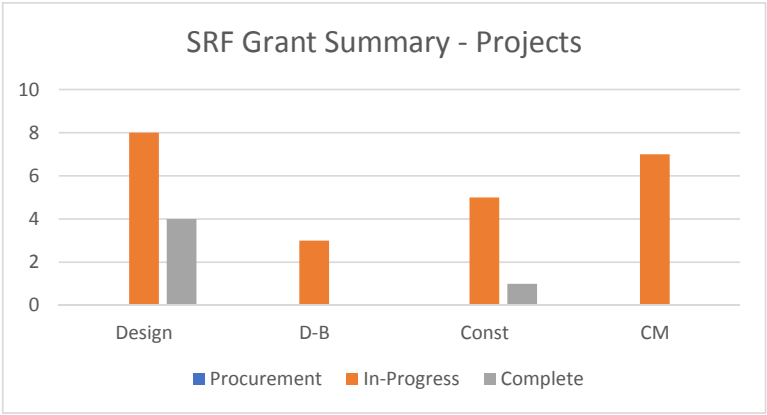




SRF Grant Summary

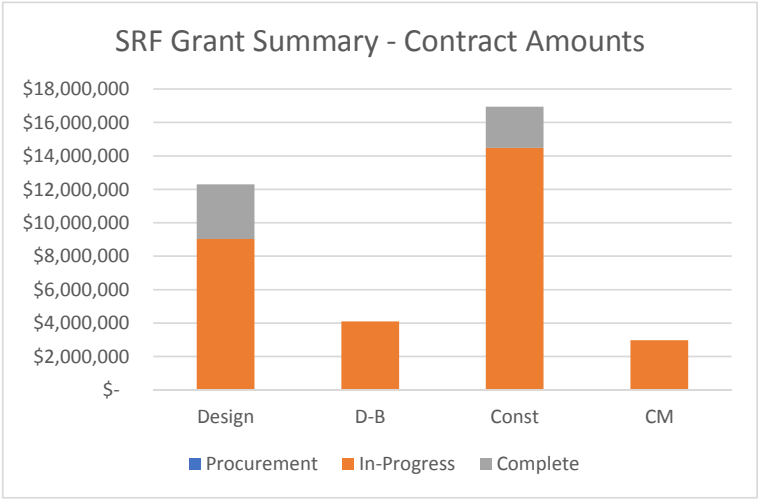
SRF Grant Summary - Projects

	Procurement	In-Progress	Complete	Totals	%
Design	0	8	4	12	43%
D-B	0	3	0	3	11%
Const	0	5	1	6	21%
CM	0	7	0	7	25%
Totals	0	23	5	28	
%	0%	82%	18%		



SRF Grant Summary - Contract Amounts

	Procurement	In-Progress	Complete	Totals	%
Design	$ -	$ 9,025,796	$ 3,279,629	$ 12,305,425	34%
D-B	$ -	$ 4,096,694		$ 4,096,694	11%
Const	$ -	$ 14,480,091	$ 2,470,658	$ 16,950,749	47%
CM	$ -	$ 2,977,793	$ -	$ 2,977,793	8%
Totals	$ -	$ 30,580,374	$ 5,750,287	$ 36,330,661	
%	0%	84%	16%		



OEA Grant Summary

- NDWWTP Upgrades
  - Design workshops for solids processes completed in early March; process and facility decisions finalized to allow design to proceed
  - USEPA NEPA Document preparation on-going; 30% Design Submittal is next major milestone
- Outfall Diffuser:
  - IFB has been issued (1/16/18);
  - Pre-bid meeting 1/26/18;
  - One bid received 2/23/18 – bid was rejected; GWA soliciting input to improve bid package; re-bid intended in coming months.
- Sewer Line Interceptor Design-Build
  - Multi-Step IFB has been issued.
  - Technical Proposal Due 3/15/18.
  - Several packages received and will be scored and evaluated.
  - Price Proposal Due 4/12/18.
  - B&C are preparing TFI documents to wave the MEC requirements.
  - GWA made the payment for the Right of Entry in the amount of $3,425.
- NGLA Observation wells – Design work on-going
  - There are no issues with the observation wells right now. Awaiting if the ROM (rough order of magnitude) is still pending from the DOD.

Action Item	Date (Target)	Date (Actual)	Status	Remarks
Project Funds Available	July-16	AUG-30-16	Completed	
Land Acquisition	Jan-17	Jan-17 (Compensation Pending)	Pending	Survey complete, appraisals complete – under review
Procure PM/CM Firm	Jan-17	Jan-17 (NTP Issued Feb 10th)	Completed	
Procure Design Firm	Jul-17		Completed	Contract issued; kickoff pending
Design -- 30/60/90/Final -- Review	Jun-18		On-target	Project design schedule under review by PM/CM
NEPA Analysis and Determination	Feb-17		Delayed	USEPA work on-going; procurement of contractor completed
Procure Construction Firm	Dec-18		On-target	
Construction Complete/Commence Operations	Nov-21		On-target	
Sewer line connection from MCB to GWA infrastructure	Jul-19		On-target	
MCB Initial Operating Capability	Jul-22		On-target	

Land Acquisition Summary

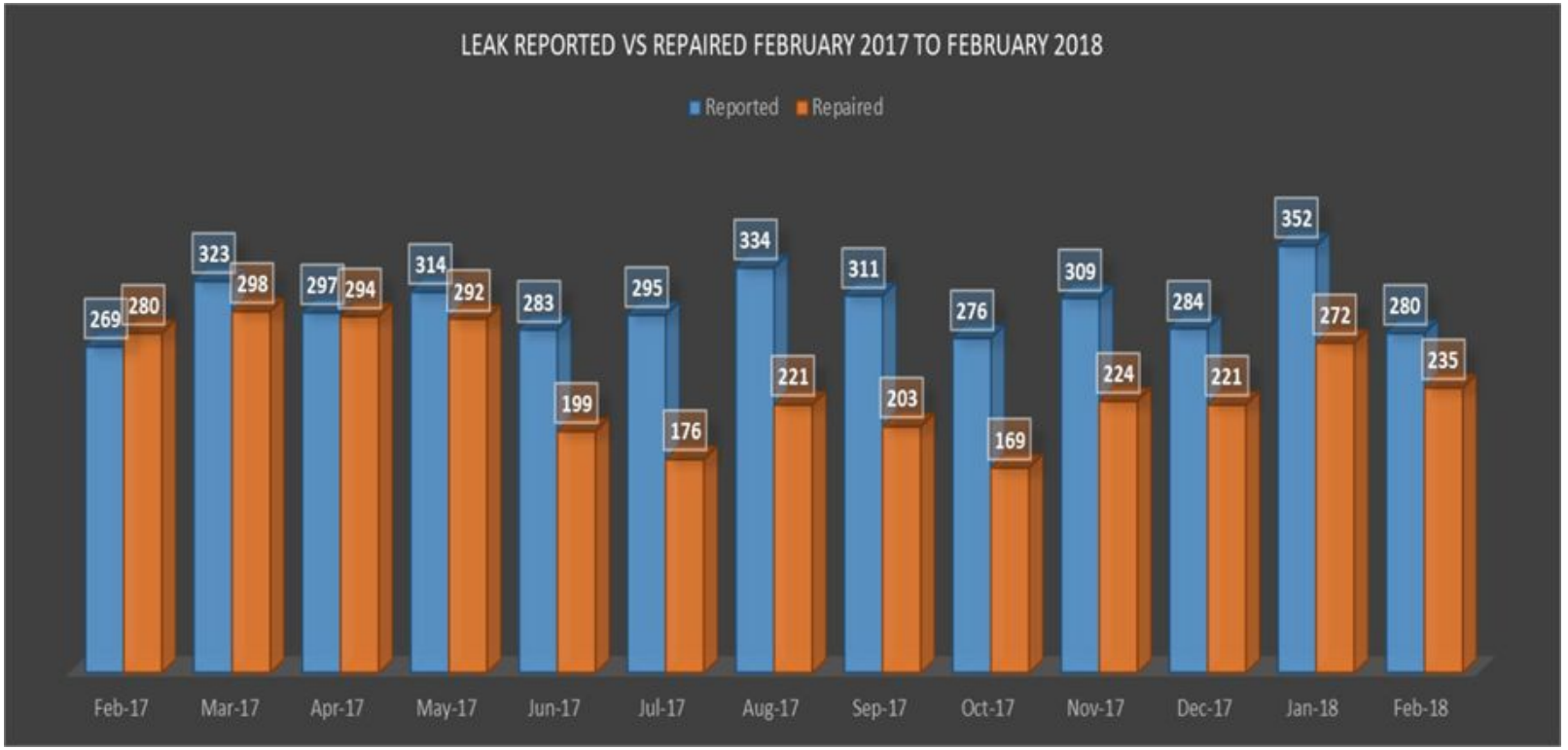
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Ugum	Private	TGE to draft Letter of Decision for private property owners 11/09/17
	Astumbo	Gov't. - CLTC	GWA and DoLM working together on Land Registration process. Pending Notification of surrounding lot owner information from DLM
	Piti	Private	Letters of Intent letters received from private property owner to authorize GWA to begin preliminary geotechnical investigation and archaeological investigation 2/27/18
Expansion of the Northern District Wastewater Treatment Plant (NDWWTP)	Dededo	Gov't - GALC	Funding Approval Request Sent to Finance 11/30/17; DoLM to draft Grant Deed 02/28/18. Title & Escrow Company have acknowledged underwriter approval of land acquisition 03/06/18
Deep Well	A-12	Private	Property ownership vested in GWA 10/16/17
	AG-12	Dept. of Agriculture/Manhita Farms	DCA doing as built verification survey work 03/12/18
	Y-8	Gov't. - CLTC	Parceling Map recorded and filed at DoLM on 02/06/2018
Booster Pump Station	Agfayan	Private	2nd follow up Letter of Intent will be hand delivered to private property owner on 03/14/18
Sewer Pump Stations	Property adjacent to Southern Link	Private	GWA started acquisition process on 12/23/2016. Property ownership vested in GWA 08/11/2017

NRW – Update

- Water Audit update on-going
  - Production rates are being reviewed for accuracy and refined
  - Unmetered, Authorized uses are being quantified
  - Meter and billing inaccuracies are being reviewed and refined

Leak Repair Summary




LEAK REPORTED VS REPAIRED FEBRUARY 2017 TO FEBRUARY 2018
Reported
Repaired
269
280
323
298
297
294
314
292
283
199
295
176
334
221
311
203
276
169
309
224
284
221
352
272
280
235
Feb-17
Mar-17
Apr-17
May-17
Jun-17
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18



Assumptions:

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

DASHBOARD

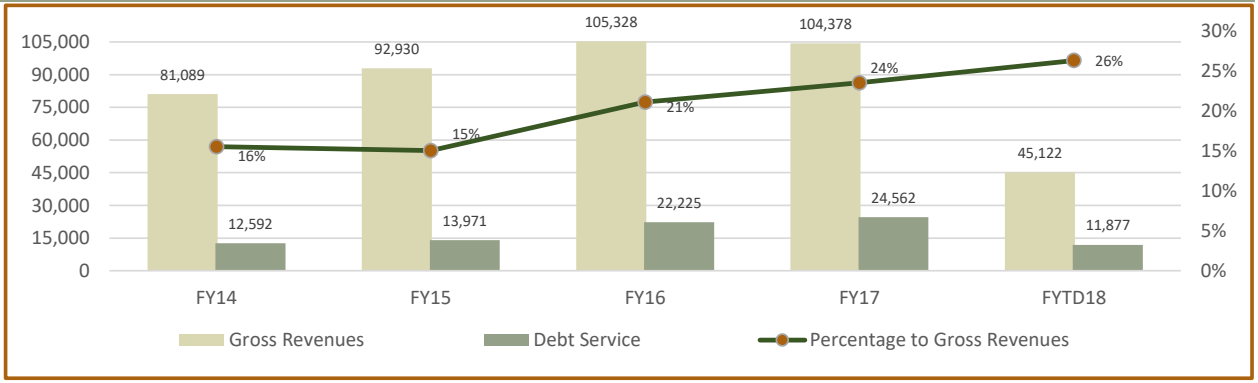
FYTD February 2018 Budget vs Actual ($000)

Category	Description	Budget FYTD18	Actual FYTD18	Variance
Rate Based Revenues	Water	$29,708	$28,515	($1,192)
	Wastewater	16,609	16,607	(2)
	Total	46,317	45,122	(1,195)
Operations & Maintenance	Salaries & Benefits	11,048	9,641	(1,407)
	Power	5,290	5,842	552
	Water Purchases	3,606	3,777	171
	A&G	5,361	4,212	(1,150)
	Contractual	1,866	1,688	(178)
	Total	$35,218	$34,240	($978)

Key Financial Ratios ($000)

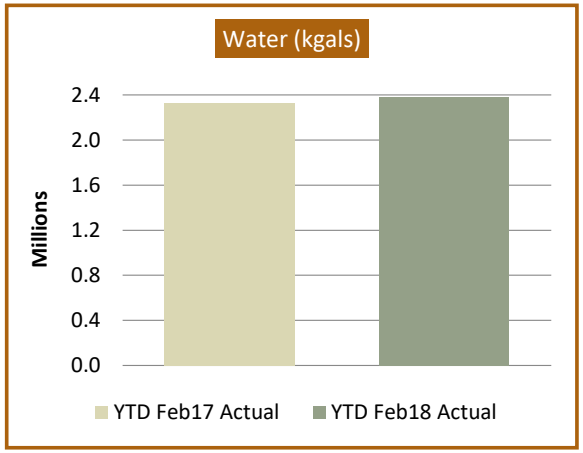
Category	FY18	FY17
Accounts Payable $$/Days	$4,355 / 47 days	$5,390 / 59 days
Accounts Receivable $$/Days	$16,173 / 65 days	$15,451 / 51 days
Days Cash On Hand	178 days	184 days
Annual Debt Service (Revenue Bonds)	$28,504	$24,563
Debt Service Coverage (Bond/PUC)	1.61 / 1.99	1.99 / 2.44

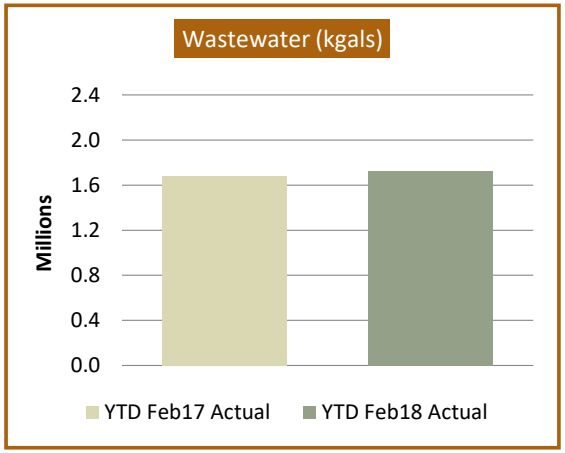
Debt as a Percent to Gross Revenue

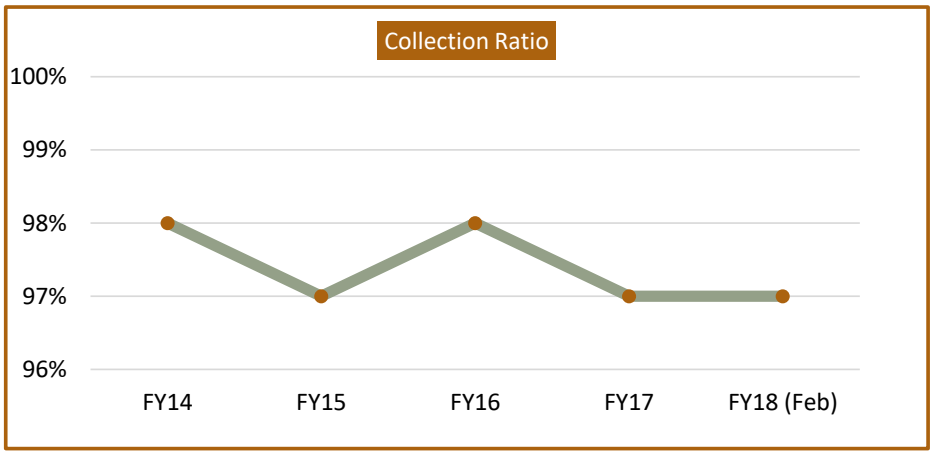


(1) Gross Revenues excludes SDC
(2) Debt Service Excludes Cap I

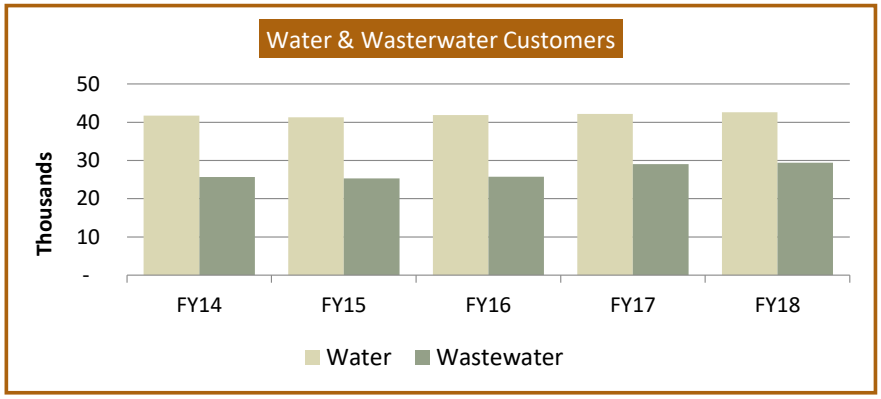
Water & Wastewater Analytics

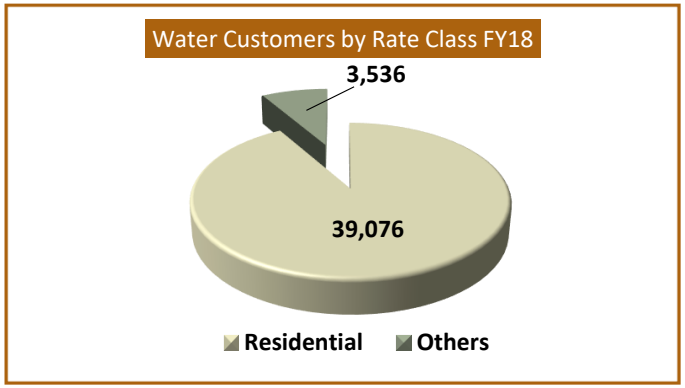


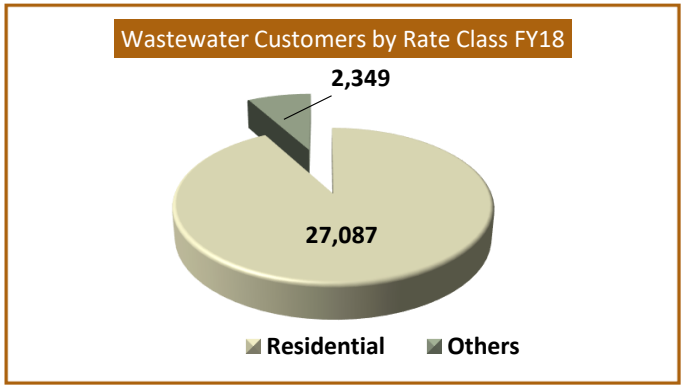


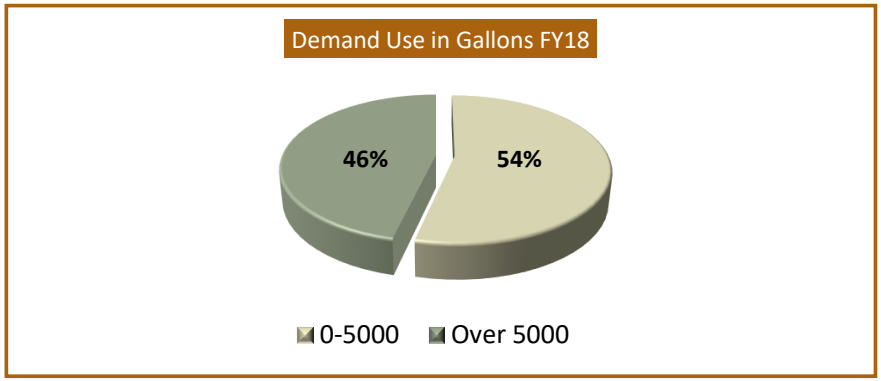


Water & Wastewater Customers





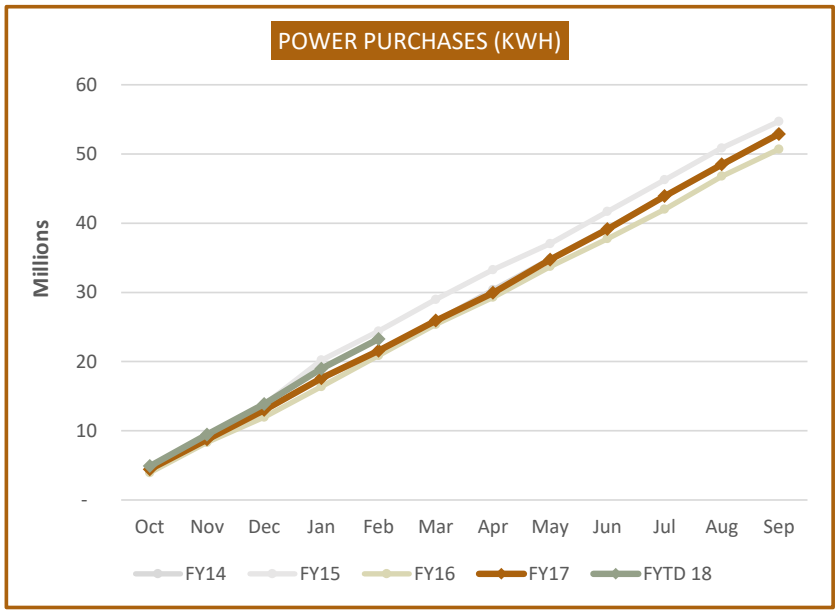


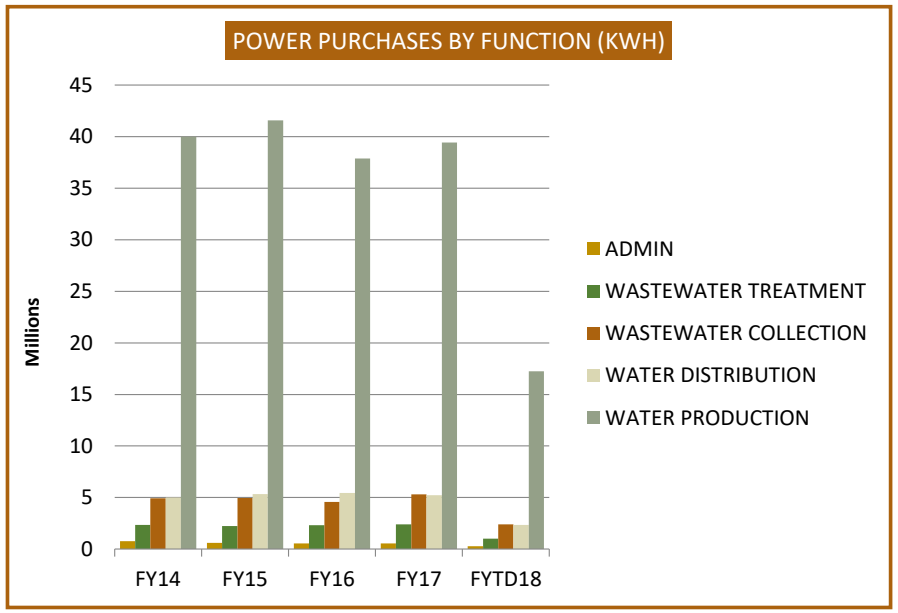


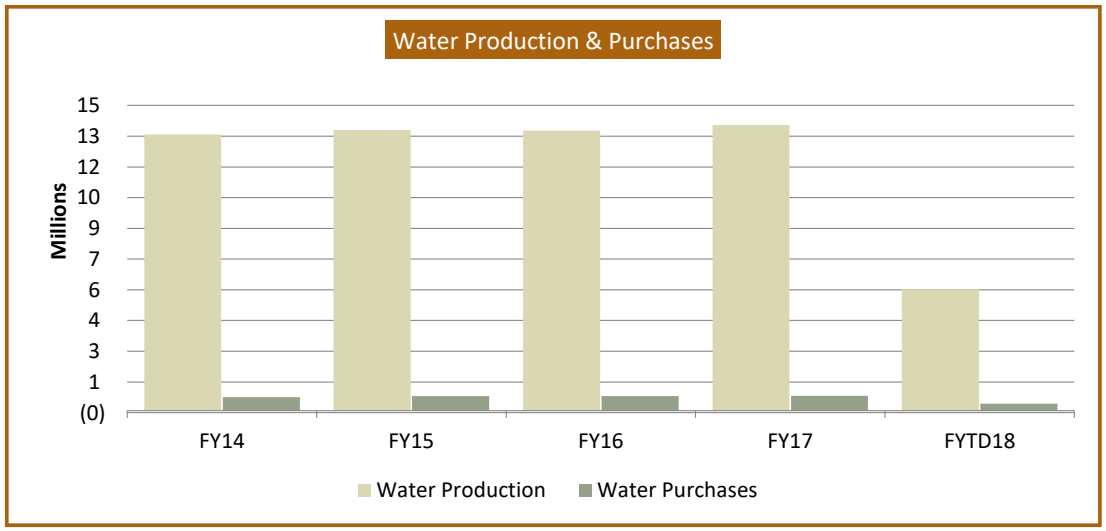
Top Ten Largest Water and Wastewater Customers – February 2018

Water			Wastewater		
Customer Name	FYTD18 Revenues	% of Total	Customer Name	FYTD18 Revenues	% of Total
1) MDI GUAM CORPORATION/LEOPALACE	$571,787	2.01%	1) AIR FORCE DOD	$1,588,771	9.57%
2) PACIFIC ISLANDS CLUB	475,631	1.67%	2) NAVY DOD	1,034,250	6.23%
3) HOTELS OF THE MARIANAS INC	417,437	1.46%	3) HOTELS OF THE MARIANAS INC	446,412	2.69%
4) HYATT	389,275	1.37%	4) HYATT	416,788	2.51%
5) HOTEL NIKKO GUAM	374,798	1.31%	5) HOTEL NIKKO GUAM	400,610	2.41%
6) GUAM REEF HOTEL INC	352,480	1.24%	6) GUAM REEF HOTEL INC	377,265	2.27%
7) SHERATON LAGUNA GUAM RESORT	332,191	1.16%	7) SHERATON LAGUNA GUAM RESORT	355,470	2.14%
8) MDI GUAM CORPORATION/WESTIN	269,669	0.95%	8) MDI GUAM CORPORATION/WESTIN	288,311	1.74%
9) OUTRIGGER GUAM RESORT	263,510	0.92%	9) OUTRIGGER GUAM RESORT	282,324	1.70%
10) TANOTA DEVELOPMENT LLC	257,430	0.90%	10) TANOTA DEVELOPMENT LLC	276,232	1.66%
Total	**$3,704,208**	**12.99%**	**Total**	**$5,466,433**	**32.92%**

Power, Water Purchases and Water Production

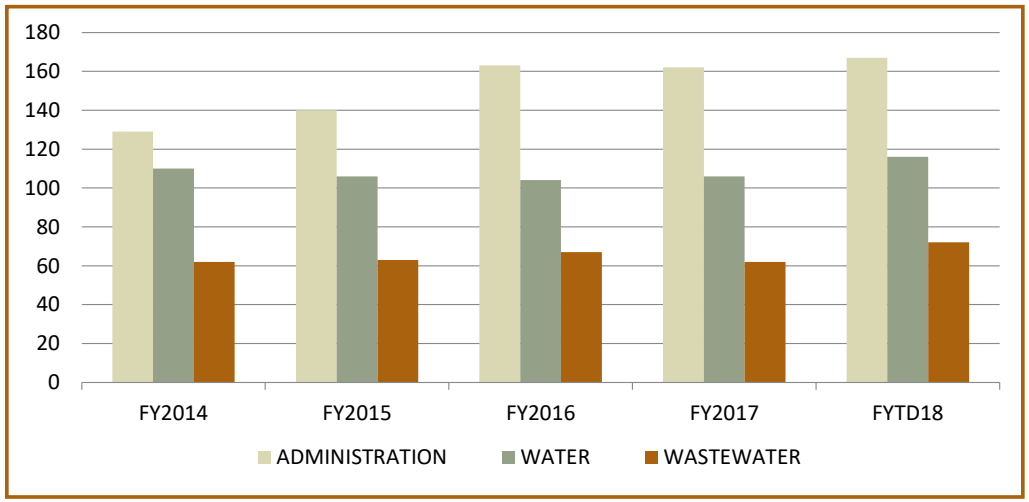




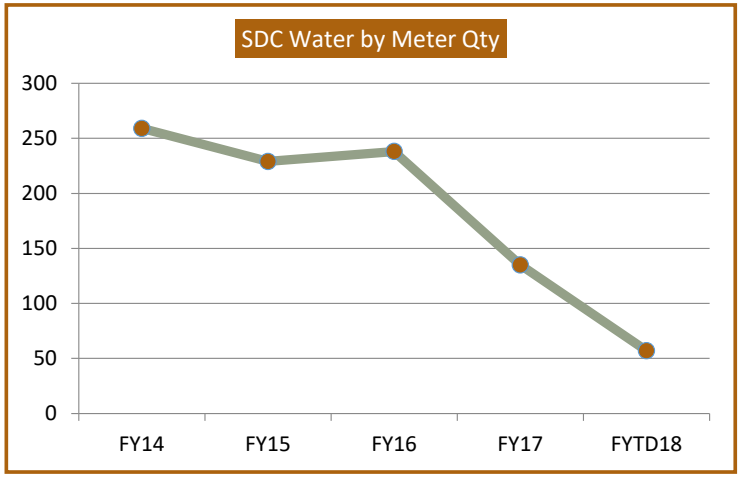


FTE by Major Division

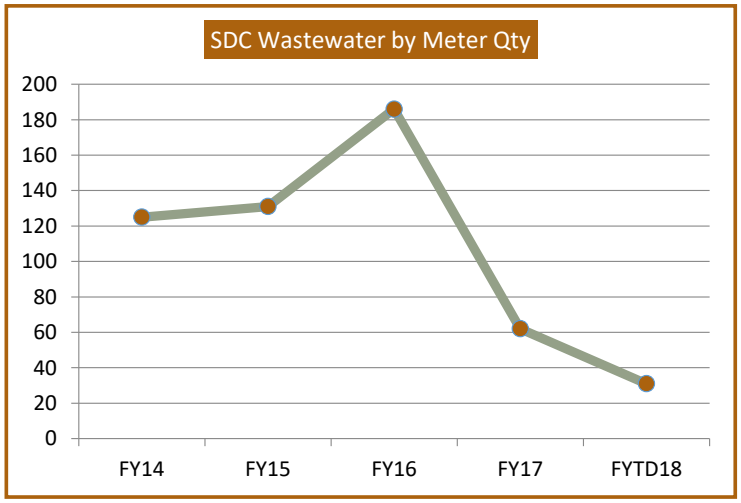
DIVISION	FY2014	FY2015	FY2016	FY2017	FYTD18
ADMINISTRATION	129	140	163	162	167
WATER	110	106	104	106	116
WASTEWATER	62	63	67	62	72
TOTAL NUMBER OF STAFF	301	309	334	330	355
Gross Salaries & Wages ($000)	15,532	15,805	16,442	17,210	7,243
Water Customers	41,702	41,274	41,858	42,181	42,612
Staff to Customers Ratio	0.72%	0.75%	0.80%	0.78%	0.83%



SDC Water & Wastewater (Meter Quantity)



Actual Meter Sizes (Inches)	FY 2014	FY 2015	FY 2016	FY 2017	FYTD18
5/8 x 3/4	248	220	239	129	50
1	5	5	7	2	1
1 1/2	1	1	1	1	3
2	3	2	4	2	2
3	1	-	1	-	-
4	-	1	-	-	1
6	-	-	-	1	-
8	1	-	-	-	-
10	-	-	-	-	-
Total SDC by Water	259	229	252	135	57



Actual Meter Sizes (Inches)	FY 2014	FY 2015	FY 2016	FY 2017	FYTD18
5/8 x 3/4	115	124	179	58	24
1	4	3	2	-	1
1 1/2	1	1	1	1	3
2	3	2	3	2	2
3	1	-	1	-	-
4	-	1	-	-	-
6	-	-	-	1	1
8	1	-	-	-	-
10	-	-	-	-	-
Total SDC by Wastewater	125	131	186	62	31

GUAM WATERWORKS AUTHORITY
FEBRUARY 28, 2018
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
February 28, 2018

SCHEDULE A

ASSETS	Unaudited February 28, 2018	Unaudited September 30, 2017	Increase (Decrease)
Current Assets:			
Cash:			
Unrestricted (Schedule G)	3,301,864	4,873,275	(1,571,410)
Restricted Funds (Schedule G)	68,093,664	65,124,400	2,969,264
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of $13,160,701 at Feb 28, 2018 and $12,619,034 at Sep 30, 2017	16,172,759	15,450,733	722,025
Other Receivable	4,492,742	8,433,446	(3,940,704)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of $457,370 at Feb 28, 2018 and Sep 30, 2017	2,060,482	2,166,557	(106,075)
Total Current Assets	94,121,511	96,048,411	(1,926,900)
Property, Plant and Equipment			
Utility plant in service:			
Water system	327,872,267	327,484,191	388,076
Wastewater system	286,534,706	286,394,940	139,767
Non-utility property	18,945,633	18,938,255	7,378
Total property	633,352,607	632,817,387	535,220
Less Accumulated Depreciation	(293,684,455)	(286,043,580)	(7,640,875)
Land	1,163,298	1,110,998	52,300
Construction Work in Progress	144,540,173	111,695,887	32,844,286
Property, Plant and Equipment, net	485,371,623	459,580,691	25,790,932
Other noncurrent assets			
Restricted cash (Schedule G)	209,527,323	236,550,002	(27,022,680)
Investments (Schedule G)	43,010,059	41,042,038	1,968,020
Other Prepaid Expenses	470,417	551,128	(80,711)
Total other noncurrent assets	253,007,798	278,143,169	(25,135,371)
TOTAL ASSETS	832,500,932	833,772,271	(1,271,339)
Deferred outflows of resources:			
Debt defeasance loss on refunding	8,073,091	1,695,981	6,377,110
Deferred outflows from pension	3,174,193	3,414,242	(240,050)
Total Assets and Deferred Outflows of Resources	**843,748,215**	**838,882,494**	**4,865,721**
LIABILITIES AND NET ASSETS			
Current Liabilities:			
Current maturities of long-term debt			
-Series 2010 Bond	-	1,655,000	(1,655,000)
-Series 2014 Refunding	3,475,000	3,385,000	90,000
-Notes Payable	2,873,988	2,873,988	-
Accounts Payable -Trade	4,355,490	5,390,256	(1,034,766)
Interest Payable	4,317,333	6,656,499	(2,339,167)
Accrued Payroll and Employee Benefits	1,930,635	2,604,471	(673,837)
Accrued Annual Leave	1,729,291	1,729,291	-
Current portion of employee annual leave	567,057	567,057	-
Contractors' Payable	8,786,562	13,950,287	(5,163,725)
Customer and Other Deposits	2,079,701	2,087,207	(7,506)
Total Current Liabilities	30,115,056	40,899,057	(10,784,001)
Long Term Debt, less current maturities			
Series 2010 Revenue Bond	-	112,870,000	(112,870,000)
Series 2013 Revenue Bond	172,630,000	172,630,000	-
Series 2014 Refunding	72,520,000	72,610,000	(90,000)
Series 2016 Revenue Bond	143,310,000	143,310,000	-
Series 2017 Refunding Bond	107,660,000	-	107,660,000
Unamortized Discount - Bond 2010	-	(1,867,525)	1,867,525
Unamortized Discount - Bond 2013	(1,317,459)	(1,338,751)	21,291
Unamortized Premium - Bond 2014	4,693,605	4,804,694	(111,089)
Unamortized Premium - Bond 2016	17,009,852	17,262,975	(253,123)
Unamortized Premium - Bond 2017	12,371,828	-	12,371,828
Notes Payable	4,479,009	5,697,499	(1,218,490)
Unfunded Ret Liability (GASB 67/68)	38,195,938	38,195,938	-
Employee Annual Leave, Less Current Portion	783,992	783,992	-
TOTAL LIABILITIES	602,451,820	605,857,879	(3,406,059)
Net Assets	**241,296,396**	**233,024,615**	**8,271,780**
Total Liabilities and Net Assets	**843,748,215**	**838,882,494**	**4,865,721**

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE B**
Comparative Budget vs. Actual for the period ending February 28, 2018

	Month to Date			Variance
	Budget February-18	Encumbered February-18	Actual (Unaudited) February-18	Favorable (Unfavorable)
OPERATING REVENUES				
Water Revenues	5,743,160		5,406,069	(337,091)
Wastewater Revenues	3,228,257		3,365,508	137,250
Legislative Surcharge	291,896		305,718	13,822
Other Revenues	57,638		29,674	(27,964)
System Development Charge	46,136		171,006	124,870
Total Operating Revenues	9,367,087		9,277,975	(89,113)
OPERATING AND MAINTENANCE EXPENSES				
Water Purchases	721,113		930,978	(209,865)
Power Purchases	1,057,997		1,280,891	(222,894)
Total Utility Costs	1,779,110		2,211,869	(432,759)
Salaries and Wages	1,625,056		1,432,480	192,576
Pension and Benefits	584,558		465,024	119,534
Total Salaries and Benefits	2,209,614		1,897,504	312,110
Capitalized Labor and Benefits	(208,333)		-	(208,333)
Net Salaries and Benefits	2,001,281		1,897,504	103,777
Administrative and General Expenses				
Sludge removal	174,514		107,247	67,267
Chemicals	229,997	41,153	120,719	68,125
Materials & Supplies	237,400	61,391	200,263	(24,254)
Transportation	61,370	24,312	57,106	(20,047)
Communications	16,182		20,617	(4,435)
Claims	17,600		4,210	13,390
Insurance	97,757		75,480	22,277
Training & Travel	21,814	5,154	16,370	291
Advertising	13,910	5,500	5,054	3,356
Miscellaneous	115,515	83,653	97,774	(65,912)
Regulatory Expense	29,086		25,895	3,192
Bad Debts Provision	57,103		108,324	(51,221)
Total Administrative and General Expense	1,072,248	221,163	839,058	(12,028)
Depreciation Expense	1,528,175	-	1,528,175	0
Contractual Expense				
Audit & Computer Maint.	78,630	8,465	49,602	20,563
Building rental	37,955		41,500	(3,545)
Equipment rental	57,375		52,405	4,969
Legal	4,167		600	3,567
Laboratory	64,752		18,285	46,467
Other	130,363		100,855	29,508
Total Contractual Expense	373,241	8,465	263,247	101,530
Retiree Supp. Annuities and health care costs	240,008		243,467	(3,459)
Contribution to Government of Guam	49,500		49,833	(333)
Total Retiree Benefits	289,508		293,301	(3,792)
Total Operating Expenses	7,043,563	229,628	7,033,154	(219,218)
Earnings (Loss) from Operations	2,323,524		2,244,821	78,703
Interest Income-2010/13/14/16 Series Bond	15,727		211,295	195,568
Interest Income-Other Funds	2,935		34,130	31,196
Interest Income-SDC	2,414		4,500	2,086
Interest Expense- 2010/13/14/16 Series Bond	(2,625,587)		(2,158,666)	466,921
Interest Expense- ST BOG	(33,288)		(39,219)	(5,931)
Federal Expenditures	(51,332)		(47,164)	4,168
Loss on Asset Disposal	-		-	-
AFUDC	625,000		625,000	-
Amortization of Discount, Premium and Issuance Costs	(61,861)		(77,542)	(15,681)
Loss on Defeasance Refunding	(15,218)		(12,444)	2,775
Deferred outflows from pension	(105,281)		(48,010)	57,271
Prior Year Adjustment	-		-	-
Total non-operating revenues (expenses)	(2,246,492)	-	(1,508,119)	738,373
Net Income (Loss) before capital contributions	77,032	-	736,702	659,670
Capital Contributions				
Grants from US Government	873,108		1,348,860	475,752
Grants from GovGuam & Others	-		57,952	57,952
Other Contributions	-		-	-
Total Capital Contributions	873,108	-	1,406,812	533,704
Change in Net Assets	950,140	-	2,143,515	1,193,374
Debt Service Calculation				
Earnings From Operations	2,323,524		2,244,821	
System Development Charge	(46,136)		(171,006)	
Retiree COLA	49,500		49,833	
Interest/Investment Income	2,935		34,130	
Depreciation	1,528,175		1,528,175	
Balance Available for Debt Service per Section 6.12	3,857,998		3,685,954	
Working Capital Reserve Available for Debt Service	935,321		935,321	
Transfer to Working Capital- Debt Service Reserve	(150,000)		-	
Transfer to Working Capital- O&M Reserve	(266,667)		-	
Balance Available for Debt Service inclusive of reserves	4,376,652		4,621,275	
Debt Service				
Principal	433,333		433,333	
Interest	2,063,402		1,942,002	
Total	2,496,736		2,375,335	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55		1.55	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75		1.95	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE C**
Comparative for the period ending February 28, 2018 and 2017

	Month to Date		Variance
	Actual (Unaudited) February-18	Actual (Unaudited) February-17	Favorable (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,406,069	5,331,404	74,665
Wastewater Revenues	3,365,508	3,099,528	265,980
Legislative Surcharge	305,718	267,269	38,449
Other Revenues	29,674	36,293	(6,619)
System Development Charge	171,006	72,662	98,344
Total Operating Revenues	9,277,975	8,807,155	470,820
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	930,978	609,094	(321,884)
Power Purchases	1,280,891	1,006,355	(274,536)
Total Utility Costs	2,211,869	1,615,449	(596,420)
Salaries and Wages	1,432,480	1,413,608	(18,871)
Pension and Benefits	465,024	477,546	12,521
Total Salaries and Benefits	1,897,504	1,891,154	(6,350)
Capitalized Labor and Benefits	-	(262,516)	(262,516)
Net Salaries and Benefits	1,897,504	1,628,638	(268,866)
Administrative and General Expenses			
Sludge removal	107,247	140,487	33,240
Chemicals	120,719	174,001	53,282
Materials & Supplies	200,263	128,788	(71,475)
Transportation	57,106	53,744	(3,362)
Communications	20,617	10,884	(9,733)
Claims	4,210	22,151	17,941
Insurance	75,480	90,603	15,123
Training & Travel	16,370	23,055	6,685
Advertising	5,054	8,988	3,934
Miscellaneous	97,774	71,997	(25,777)
Regulatory Expense	25,895	24,134	(1,760)
Bad Debts Provision	108,324	109,700	1,376
Total Administrative and General Expense	839,058	858,530	19,472
Depreciation Expense	1,528,175	1,402,038	(126,137)
Contractual Expense			
Audit & Computer Maint.	49,602	76,901	27,299
Building rental	41,500	36,557	(4,943)
Equipment rental	52,405	59,374	6,969
Legal	600	414	(186)
Laboratory	18,285	10,627	(7,659)
Other	100,855	156,747	55,893
Total Contractual Expense	263,247	340,619	77,372
Retiree Supp. Annuities and health care costs	243,467	231,895	(11,572)
Contribution to Government of Guam	49,833	49,500	(333)
Total Retiree Benefits	293,301	281,395	(11,905)
Total Operating Expenses	7,033,154	6,126,670	(906,483)
Earnings (Loss) from Operations	2,244,821	2,680,485	435,664
Interest Income-2010/13/14/16 Series Bond	211,295	65,354	145,941
Interest Income-Other Funds	34,130	10,032	24,099
Interest Income-SDC	4,500	1,060	3,441
Interest Expense- 2010/13/14/16 Series Bond	(2,158,666)	(2,220,744)	62,077
Interest Expense- ST BOG	(39,219)	(43,736)	4,517
Federal Expenditures	(47,164)	(42,501)	(4,663)
Loss on Asset Disposal	-	(81,105)	81,105
AFUDC	625,000	1,172,241	(547,241)
Amortization of Discount, Premium and Issuance Costs	(77,542)	61,861	(139,403)
Loss on Defeasance Bond05 Refunding	(12,444)	(15,218)	2,775
Deferred outflows from pension	(48,010)	(104,481)	56,471
Prior Year Adjustment	-	(26,756)	26,756
Total non-operating revenues (expenses)	(1,508,119)	(1,223,993)	(284,126)
Net Income (Loss) before capital contributions	736,702	1,456,492	(719,789)
Capital Contributions			
Grants from US Government	1,348,860	1,815,921	(467,061)
Grants from GovGuam & Others	57,952	1,664	56,288
Other Contributions	-	-	-
Total Capital Contributions	1,406,812	1,817,586	(410,774)
Change in Net Assets	2,143,515	3,274,078	(1,130,563)
Debt Service Calculation			
Earnings From Operations	2,244,821	2,680,485	
System Development Charge	(171,006)	(72,662)	
Retiree COLA	49,833	49,500	
Interest/Investment Income	34,130	10,032	
Depreciation	1,528,175	1,402,038	
Balance Available for Debt Service per Section 6.12	3,685,954	4,069,392	
Working Capital Reserve Available for Debt Service	935,321	932,134	
Transfer to Working Capital- Debt Service Reserve	-	-	
Transfer to Working Capital- O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,621,275	5,001,527	
Debt Service			
Principal	433,333	420,000	
Interest	1,942,002	1,626,858	
Total	2,375,335	2,046,858	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55	1.99	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.95	2.44	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited) **SCHEDULE D**
Comparative Budget vs. Actual for the period ending February 28, 2018

	Year to Date			Variance
	Budget February-18	Encumbered February-18	Actual (Unaudited) February-18	Favorable (Unfavorable)
OPERATING REVENUES				
Water Revenues	28,715,800		27,562,569	(1,153,232)
Wastewater Revenues	16,141,287		16,139,781	(1,505)
Legislative Surcharge	1,459,480		1,419,383	(40,097)
Other Revenues	288,190		163,186	(125,004)
System Development Charge	230,679		553,256	322,577
Total Operating Revenues	46,835,436		45,838,175	(997,261)
OPERATING AND MAINTENANCE EXPENSES				
Water Purchases	3,605,566		3,776,628	(171,062)
Power Purchases	5,289,984		5,841,655	(551,670)
Total Utility Costs	8,895,550		9,618,283	(722,733)
Salaries and Wages	8,125,280		7,243,285	881,995
Pension and Benefits	2,922,791		2,398,560	524,232
Total Salaries and Benefits	11,048,071		9,641,845	1,406,226
Capitalized Labor and Benefits	(1,041,667)		-	(1,041,667)
Net Salaries and Benefits	10,006,404		9,641,845	364,560
Administrative and General Expenses				
Sludge removal	872,570	377,303	478,488	16,779
Chemicals	1,024,984	772,045	860,982	(608,042)
Materials & Supplies	1,389,499	334,352	1,117,123	(61,977)
Transportation	261,852	357,827	184,848	(280,823)
Communications	80,910	98,493	80,804	(98,387)
Claims	55,500	-	12,700	42,800
Insurance	523,783	-	379,101	144,682
Training & Travel	109,071	9,749	35,418	63,904
Advertising	69,550	56,502	27,389	(14,340)
Miscellaneous	577,577	100,204	399,202	78,172
Regulatory Expense	110,432	-	93,838	16,593
Bad Debts Provision	285,513	-	541,667	(256,154)
Total Administrative and General Expense	5,361,241	2,106,475	4,211,560	(956,794)
Depreciation Expense	7,640,873	-	7,640,875	(2)
Contractual Expense				
Audit & Computer Maint.	408,152	159,392	278,304	(29,545)
Building rental	189,775	-	185,138	4,637
Equipment rental	286,873	-	361,439	(74,566)
Legal	20,833	-	3,000	17,833
Laboratory	308,758	394,551	189,924	(275,717)
Other	651,815	-	670,501	(18,685)
Total Contractual Expense	1,866,206	553,943	1,688,305	(376,042)
Retiree Supp. Annuities and health care costs	1,200,042		1,190,258	9,784
Contribution to Government of Guam	247,500		249,167	(1,667)
Total Retiree Benefits	1,447,542	-	1,439,424	8,117
Total Operating Expenses	35,217,816	2,660,418	34,240,292	(1,682,894)
Earnings (Loss) from Operations	11,617,620		11,597,883	(19,737)
Interest Income-2010/13/14/16 Series Bond	78,633		867,866	789,233
Interest Income-Other Funds	14,674		135,633	120,959
Interest Income-SDC	12,071		20,609	8,537
Interest Expense- 2010/13/14/16 Series Bond	(13,127,936)		(10,950,407)	2,177,529
Interest Expense- ST BOG	(166,441)		(183,085)	(16,644)
Federal Expenditures	(256,661)		(200,116)	56,545
Loss on Asset Disposal	-		-	-
AFUDC	3,125,000		3,125,000	-
Amortization of Discount, Premium and Issuance Costs	(309,304)		30,498	339,802
Loss on Defeasance Bond05 Refunding	(76,092)		(62,218)	13,874
Deferred outflows from pension	(526,403)		(240,050)	286,353
Prior Year Adjustment	-		9,784	9,784
Total non-operating revenues (expenses)	(11,232,459)	-	(7,446,486)	3,785,974
Net Income (Loss) before capital contributions	385,161	-	4,151,397	3,766,237
Capital Contributions				
Grants from US Government	4,365,541		3,982,651	(382,890)
Grants from GovGuam & Others	-		137,733	137,733
Other Contributions	-		-	-
Total Capital Contributions	4,365,541	-	4,120,383	(245,158)
Change in Net Assets	4,750,702	-	8,271,781	3,521,079
Debt Service Calculation				
Earnings From Operations	11,617,620		11,597,883	
System Development Charge	(230,679)		(553,256)	
Retiree COLA	247,500		249,167	
Interest/Investment Income	14,674		135,633	
Depreciation	7,640,873		7,640,875	
Balance Available for Debt Service per Section 6.12	19,289,988		19,070,302	
Working Capital Reserve Available for Debt Service	4,676,605		4,660,671	
Transfer to Working Capital- Debt Service Reserve	(750,000)		(35,950)	
Transfer to Working Capital- O&M Reserve	(1,333,333)		(43,195)	
Balance Available for Debt Service inclusive of reserves	21,883,260		23,651,827	
Debt Service				
Principal	2,166,667		2,166,667	
Interest	10,317,011		9,710,010	
Total	12,483,678		11,876,676	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.55		1.61	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75		1.99	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative for the period ending February 28, 2018 and 2017

SCHEDULE E

	Year to Date ACTUAL (Unaudited) February-18	ACTUAL (Unaudited) February-17	Variance Favorable (Unfavorable)
OPERATING REVENUES			
Water Revenues	27,562,569	26,657,018	905,551
Wastewater Revenues	16,139,781	15,497,638	642,143
Legislative Surcharge	1,419,383	1,336,344	83,039
Other Revenues	163,186	181,464	(18,278)
System Development Charge	553,256	363,311	189,945
Total Operating Revenues	45,838,175	44,035,775	1,802,400
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	3,776,628	3,045,469	(731,159)
Power Purchases	5,841,655	5,031,776	(809,879)
Total Utility Costs	9,618,283	8,077,245	(1,541,038)
Salaries and Wages	7,243,285	7,068,042	(175,243)
Pension and Benefits	2,398,560	2,387,729	(10,831)
Total Salaries and Benefits	9,641,845	9,455,771	(186,074)
Capitalized Labor and Benefits	-	(1,312,579)	(1,312,579)
Net Salaries and Benefits	9,641,845	8,143,192	(1,498,652)
Administrative and General Expenses			
Sludge removal	478,488	702,434	223,946
Chemicals	860,982	870,005	9,024
Materials & Supplies	1,117,123	643,938	(473,185)
Transportation	184,848	268,722	83,874
Communications	80,804	54,419	(26,385)
Claims	12,700	110,755	98,055
Insurance	379,101	453,014	73,912
Training & Travel	35,418	115,273	79,855
Advertising	27,389	44,939	17,550
Miscellaneous	399,202	359,983	(39,219)
Regulatory Expense	93,838	120,672	26,834
Bad Debts Provision	541,667	548,499	6,832
Total Administrative and General Expense	4,211,560	4,292,652	81,092
Depreciation Expense	7,640,875	7,010,190	(630,685)
Contractual Expense			
Audit & Computer Maint.	278,304	384,505	106,201
Building rental	185,138	182,783	(2,355)
Equipment rental	361,439	296,870	(64,569)
Legal	3,000	2,070	(930)
Laboratory	189,924	53,133	(136,792)
Other	670,501	783,736	113,235
Total Contractual Expense	1,688,305	1,703,095	14,790
Retiree Supp. Annuities and health care costs	1,190,258	1,159,477	(30,781)
Contribution to Government of Guam	249,167	247,500	(1,667)
Total Retiree Benefits	1,439,424	1,406,977	(32,447)
Total Operating Expenses	34,240,292	30,633,351	(3,606,941)
Earnings (Loss) from Operations	11,597,883	13,402,424	(1,804,541)
Interest Income-2010/13/14/16 Series Bond	867,866	326,772	541,094
Interest Income-Other Funds	135,633	50,159	85,474
Interest Income-SDC	20,609	5,299	15,310
Interest Expense- 2010/13/14/16 Series Bond	(10,950,407)	(11,103,719)	153,312
Interest Expense- ST BOG	(183,085)	(218,681)	35,596
Federal Expenditures	(200,116)	(212,507)	12,391
Loss on Asset Disposal	-	(405,523)	405,523
AFUDC	3,125,000	5,861,205	(2,736,205)
Amortization of Discount, Premium and Issuance Costs	30,498	309,304	(278,805)
Loss on Defeasance Bond05 Refunding	(62,218)	(76,092)	13,874
Deferred outflows from pension	(240,050)	(522,403)	282,354
Prior Year Adjustment	9,784	(133,778)	143,562
Total non-operating revenues (expenses)	(7,446,486)	(6,119,966)	(1,326,520)
Net Income (Loss) before capital contributions	4,151,397	7,282,459	(3,131,061)
Capital Contributions			
Grants from US Government	3,982,651	9,079,607	(5,096,957)
Grants from GovGuam & Others	137,733	8,322	129,411
Other Contributions	-	-	-
Total Capital Contributions	4,120,383	9,087,929	(4,967,546)
Change in Net Assets	8,271,781	16,370,388	(8,098,607)
Debt Service Calculation			
Earnings From Operations	11,597,883	13,402,424	
System Development Charge	(553,256)	(363,311)	
Retiree COLA	249,167	247,500	
Interest/Investment Income	135,633	50,159	
Depreciation	7,640,875	7,010,190	
Balance Available for Debt Service per Section 6.12	19,070,302	20,346,962	
Working Capital Reserve Available for Debt Service	4,660,671	4,660,671	
Transfer to Working Capital- Debt Service Reserve	(35,950)	-	
Transfer to Working Capital- O&M Reserve	(43,195)	-	
Balance Available for Debt Service inclusive of reserves	23,651,827	25,007,633	
Debt Service			
Principal	2,166,667	2,100,000	
Interest	9,710,010	8,134,292	
Total	11,876,676	10,234,292	
Debt Service Coverage (1.25X)- per Section 6.12 (Indenture)	1.61	1.99	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.99	2.44	

SCHEDULE F

Bond Compliance

		($$$) Per Indenture	As of 2/28/18 ($$$) Bond 2013/2014/2016/2017
• Operation and Maintenance Fund-BOG	*Equivalent to 55 days of the annual O&M budget less depreciation*	$10.5M	$10.5M
• Bond Reserve Fund - US Bank	*Fully funded- Principal and Interest (Bond Series 2010, 2013, 2014 Refunding and 2016)*	$34.9M	$34.9M
• Operation, Maintenance, Renewal and Replacement Reserve Fund-BOG Trust	*Equivalent to 1/4 of the annual O&M budget & CIP budget to be funded in 5 years ($2M/year)*	$17.4M	$17.4M
• Capital Improvement Fund	*Balance remaining in the Revenue Fund after the foregoing deposits*	$3.9K	$5.6K

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY 2018

SCHEDULE G

Description	Unaudited February 28, 2018	Unaudited September 30, 2017	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	5,000	5,000	-
BOG - General Fund	3,264,825	4,836,236	(1,571,410)
BOG - PRN Payroll	30,039	30,039	-
Sub-total Unrestricted	3,301,864	4,873,275	(1,571,410)
RESTRICTED			
Bank of Hawaii	108,570	133,931	(25,361)
First Hawaiian Bank	44,150	10,261	33,889
Bank Pacific	12,984	15,825	(2,841)
Community First FCU	3,039	3,448	(410)
BOG - Customer Refunds	1,838,848	1,831,426	7,422
Bank Pacific - Surcharge	313,915	278,142	35,773
Bank Pacific - Escrow Deposit	666,222	666,140	82
BOG Emergency Reserve Fund	6,125	6,122	3
BOG - Revenue Trust	652,270	201,614	450,656
BOG Revenue Trust Fund	7,778,784	7,782,227	(3,443)
BOG Capital Improvement Fund-Bond	5,598	5,598	0
BOG Capital Improvement Revenue Fund	1,912,183	-	1,912,183
BOG-O & M Reserve	13,559,735	13,516,540	43,195
BOG-Debt Service Reserve	11,253,683	11,217,733	35,950
BOG-CAPEX Reserve	15,510,753	15,462,869	47,884
BOG Sewer Hookup Revolving Fund	64,639	63,590	1,049
BOG Subord. Sec. Fund	859,233	859,233	-
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
	57,674,213	55,138,182	2,536,031
BOG - SDC Deposit	2,919,451	1,486,219	1,433,233
BOG - SDC CDs	7,500,000	8,500,000	(1,000,000)
Total Restricted	68,093,664	65,124,400	2,969,264
Reserve Funds			
BOG Series 05 OMRRRF Fund	17,423,213	17,423,213	-
BOG Series 13 Construction Fund	57,265,927	74,461,765	(17,195,839)
BOG Series 14 Refunding Construction Fund	763,295	771,281	(7,987)
BOG Series 16 Construction Fund	125,258,757	132,811,449	(7,552,692)
BOG Series 16 Cap Int Fund	2	1,782,982	(1,782,980)
BOG Series 17 Refunding Construction Fund	8,768,666	9,299,311	(530,645)
BOG Series 17 Refunding COI Fund	47,463		47,463
Total Restricted - Held by Trustee	209,527,323	236,550,002	(27,022,680)
USB Series 2013 Debt Service Fund	1,566,065	2,336,754	(770,688)
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	2,943,036	1,796,559	1,146,477
USB Series 2014 Refunding Debt Service Reserve Fund	7,781,747	7,707,602	74,145
USB Series 2016 Debt Service Fund	1,195,618	130	1,195,488
USB Series 2016 Debt Service Reserve Fund	7,594,585	7,582,725	11,860
USB Series 2010 Debt Service Fund	1,378,620	2,020,121	(641,501)
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	952,239	-	952,239
Total Investments	43,010,059	41,042,038	1,968,020
Total Restricted and Unrestricted Cash	323,932,910	347,589,716	(23,656,806)

SCHEDULE H

Guam Waterworks Authority **Statement of Cash Flows (Unaudited)** **FY 2018**	**YTD** **Feb-18**
Increase (decrease) in cash	
Cash flows from operating activities:	
Cash received from trade and others	44,054,897
Cash payments to suppliers/contractors for goods and services	(15,487,414)
Cash payments to employees for services	(10,209,408)
Net cash provided by operating activities	18,358,075
Cash flows from capital and related financing activities:	
Contributed capital received (grants)	8,762,175
Acquisition of utility plant	(36,833,189)
Repayment of Long Term Debt	7,031,432
Interest expense	(14,953,134)
Net cash provided by (used in) capital and related financing activities	(35,992,716)
Cash flows from investing activities:	
Transfers from (to) restricted fund	15,277,448
Interest income received	785,783
Net cash provided by investing activities	16,063,231
Net increase (decrease) in cash	(1,571,410)
Unrestricted cash at beginning of the period	4,873,275
Unrestricted cash at end of period	3,301,864
Reconciliation of operating loss to net cash provided by operating activities:	
Operating Income (loss)	13,484,163
Adjustments to reconcile to net cash provided by operating activities:	
Depreciation expense	7,640,875
Other Expense/income	525,532
(Increase) decrease in assets:	
Accounts receivable	(1,775,772)
Materials and supplies inventory	106,075
Other Assets	80,711
Increase (decrease) in liabilities:	
Accounts payable, Contractors, Retention & Escrow Deposit	(1,033,719)
Accrued payroll	(662,285)
Customer deposits	(7,506)
Net cash provided by operating activities	18,358,075

Guam Waterworks Authority
Accounts Receivable - Government
As of February 28, 2018

SCHEDULE I

Customer Name	No of Accounts	Current Balance	AGING 31-60 days	61-90 days	91-120 days	Over 120 days	Outstanding Bal.
GUAM INT'L AIRPORT AUTHORITY	10	54,502	46,575	37,276	38,193	151,187	327,733
GUAM POWER AUTHORITY	25	18,771	15,346	802	17,200	142,706	194,826
GUAM MEMORIAL HOSPITAL AUTHORITY	2	43,662	35,525	-	-	-	79,187
PORT AUTHORITY OF GUAM	2	55,034	22,516	-	-	-	77,550
GUAM COMMUNITY COLLEGE	3	11,500	8,994	9,274	-	-	29,767
UNIVERSITY OF GUAM	2	9,270	-	-	-	-	9,270
GUAM HOUSING & URBAN RENEWAL AUTHORITY	7	1,218	-	-	-	92	1,310
GUAM HOUSING CORPORATION	1	29	-	-	-	-	29
AUTONOMOUS AGENCIES	**52**	**193,987**	**128,955**	**47,352**	**55,394**	**293,984**	**719,672**
DEPT OF EDUCATION	50	222,019	171,572	26,841	11,468	119,892	551,793
DEPT OF PARKS & RECREATION	18	240,080	28,523	30,311	25,466	176,648	501,029
DEPT OF CORRECTIONS	8	112,418	99,603	-	-	-	212,021
DEPT OF PUBLIC HEALTH & SOCIAL SERVICES	5	1,797	674	1,010	454	103,279	107,214
MAYORS' COUNCIL OF GUAM	41	22,069	-	9	-	-	22,077
DEPT OF MENTAL HEALTH AND SUBTANCE	2	1,834	7,556	-	-	-	9,390
GUAM FIRE DEPARTMENT	10	7,546	-	-	-	-	7,546
DEPT OF PUBLIC WORKS	10	4,738	467	-	-	-	5,205
DEPT OF CHAMORRO AFFAIRS	2	3,791	1,270	-	-	-	5,061
DEPT OF YOUTH AFFAIRS	2	3,971	-	-	-	-	3,971
DEPT OF MILITARY AFFAIRS/GUARNG	1	2,797	-	-	-	-	2,797
DEPT OF ADMINISTRATION	2	945	163	161	146	576	1,991
DEPT OF AGRICULTURE	2	1,891	-	-	-	-	1,891
SANCTUARY INC	1	1,731	-	-	-	-	1,731
GHURA-AGAFU GUMAS PARK	1	229	42	26	38	831	1,167
GUAM POLICE DEPARTMENT	2	1,022	-	-	-	-	1,022
DIVISION OF SENIOR CITIZENS, DPH&SS	2	495	-	139	66	-	701
GUAM VETERANS AFFAIRS OFFICE	2	207	-	-	-	-	207
GUAM PUBLIC LIBRARY	4	161	-	-	-	-	161
MERIZO MAYOR	1	54	-	-	-	-	54
THE OFFICE OF THE DEDEDO MAYOR	1	51	-	-	-	-	51
GUAM SOLID WASTE AUTHORITY	1	23	-	-	-	-	23
							-
LINE AGENCIES	**168**	**629,869**	**309,871**	**58,497**	**37,639**	**401,227**	**1,437,102**
TOTAL February 28, 2018	**220**	**823,855**	**438,826**	**105,849**	**93,032**	**695,212**	**2,156,774**
TOTAL September 30, 2017	**253**	**715,578**	**442,522**	**169,120**	**72,476**	**396,347**	**1,796,043**
% INCREASE/ (DECREASE)	**-13%**	**15%**	**-1%**	**-37%**	**28%**	**75%**	**20%**

GUAM WATERWORKS AUTHORITY
2013 Series Bond Project Status
As of Feb. 28, 2018

SCHEDULE J

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Santa Rita Springs Booster Pump Rehab Phase II	$ 100,000	$ 100,000	77,400	22,600	$ 100,000	$ -	$ 22,600
"A" Series Well Transmission Line	$ 400,000	$ 400,000	314,479	55,367	$ 369,846	$ 30,154	$ 85,521
Water Booster Pump Station	$ 6,000,000	$ 1,861,000	1,656,428	23,536	$ 1,679,964	$ 181,036	$ 204,572
Meter Replacement Program		$ 999,000	996,532	-	$ 996,532	$ 2,468	$ 2,468
Barrigada Tank Repair/Replacement	$ 6,000,000	$ 4,987,000	4,924,959	62,041	$ 4,987,000	$ 0	$ 62,041
Leak Detection	$ 100,000	$ 20,000	16,916	-	$ 16,916	$ 3,084	$ 3,084
Potable Water System Planning	$ 800,000	$ 624,000	598,825	25,175	$ 624,000	$ -	$ 25,175
Implement Ground Water Rule	$ 1,000,000	$ 1,000,000	1,000,000	-	$ 1,000,000	$ -	$ -
Deep Well Rehabilitation	$ 800,000	$ 200,000	189,930	10,071	$ 200,000	$ (0)	$ 10,070
New Deep Wells at Down Hard	$ 2,000,000	$ 810,000			$ -	$ 810,000	$ 810,000
Master Meters	$ 4,000,000	$ 784,000	531,188	180,872	$ 712,060	$ 71,940	$ 252,812
Ugum Water Treatment Plant Intake	$ 1,000,000	$ 982,000	578,858	280,943	$ 859,801	$ 122,199	$ 403,142
Water Wells	$ 4,200,000	$ 4,200,000	2,284,474	745,555	$ 3,030,029	$ 1,169,971	$ 1,915,527
Water Distribution System	$ 12,000,000	$ 11,151,000	5,769,840	4,085,676	$ 9,855,516	$ 1,295,484	$ 5,381,160
Pressure Zone Realignment /	$ 1,000,000	$ 431,000	336,036	1,074	$ 337,110	$ 93,890	$ 94,964
Mechanical/Electrical Equipment	$ 430,000	$ 430,000	328,686	98,112	$ 426,798	$ 3,202	$ 101,314
Water Reservoir Internal/External	$ 800,000	$ -			$ -	$ -	$ -
Water System Reservoirs 2005 Improvements	$ 21,000,000	$ 13,878,000	10,726,206	3,151,434	$ 13,877,640	$ 360	$ 3,151,794
Ugum Water Treatment Plant Reservoir	$ 7,000,000	$ 90,000			$ -	$ 90,000	$ 90,000
Agana Heights & Chaot Tanks	$ 4,500,000	$ 3,280,000	233,265	1,097,022	$ 1,330,287	$ 1,949,713	$ 3,046,735
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 13,500,000	$ 11,605,000	4,120,369	7,484,631	$ 11,605,000	$ 0	$ 7,484,631
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 8,000,000	$ -			$ -	$ -	$ -
Assessment of malojloj Elevetad & Yigo Elevated	$ 500,000	$ 485,117	461,813	23,304	$ 485,117	$ -	$ 23,304
Fire Hydrant Replacement Program	$ -	$ -			$ -	$ -	$ -
		$ -					
Wastewater System Planning	$ 800,000	$ 651,000	550,480	100,520	$ 651,000	$ (0)	$ 100,520
Lift Station Upgrades	$ 5,000,000	$ 946,000	562,785	363	$ 563,149	$ 382,852	$ 383,215
Wastewater Collection System Repl/Rehab	$ 6,500,000	$ 780,000	502,452	157,862	$ 660,314	$ 119,687	$ 277,548
Baza Gardens STP Replacement		$ 3,114,883	969,594	2,145,275	$ 3,114,869	$ 15	$ 2,145,290
Facilities Plan/Design for Umatac-Merizo WWTP		$ 473,000	335,129	36,570	$ 371,699	$ 101,301	$ 137,871
Agat/Santa Rita STP Replacement	$ 19,000,000	$ 67,200,000	39,664,920	27,686,388	$ 67,351,308	$ (151,307)	$ 27,535,080
Agana WWTP Interim Measures		$ 673,000	611,247	61,753	$ 673,000	$ (0)	$ 61,753
Umatac Merizo Replacement	$ 2,000,000	$ -			$ -	$ -	$ -
		$ -					
Wastewater Pump Station Electrical Upgrade	$ 620,000	$ 620,000	91,348	8,513	$ 99,861	$ 520,139	$ 528,652
Electrical Upgrade - Water Wells	$ 1,500,000	$ 1,500,000	1,480,769	19,230	$ 1,500,000	$ 0	$ 19,231
Electrical Upgrade - Water Booster	$ 325,000	$ 2,000			$ -	$ 2,000	$ 2,000
Electrical Upgrade -Water Booster	$ 350,000	$ 200,000	977	-	$ 977	$ 199,023	$ 199,023
Electrical Upgrade - Other Water	$ 250,000	$ 150,000	60,700	-	$ 60,700	$ 89,300	$ 89,300
SCADA Improvements – Phase 3	$ 1,850,000	$ 923,000	427,949	294,410	$ 722,359	$ 200,641	$ 495,051
SCADA Improvements – Phase 4	$ 500,000	$ -			$ -	$ -	$ -
		$ -					$ -
Laboratory Modernization	$ 1,500,000	$ 1,173,000	1,163,037	8,428	$ 1,171,465	$ 1,535	$ 9,963
Land Survey	$ 2,000,000	$ 2,000	1,038	15	$ 1,053	$ 948	$ 963
General Plant Improvements / Water	$ 2,000,000	$ 2,600,000	1,265,043	1,176,695	$ 2,441,737	$ 158,263	$ 1,334,957
Allowance for COI							$ 275,005
Interest Earned							$ 499,593
Total Construction Fund (2013 Series Revenue Bond)	**$ 139,325,000**	**$ 139,325,000**	**$ 82,833,671**	**$ 49,043,434**	**$ 131,877,105**	**$ 7,447,895**	**$ 57,265,926**

PUC's Docket 14-04 dated February 25, 2014

GUAM WATERWORKS AUTHORITY
2014 Series Refunded Bond Project Status
As of Feb. 28, 2018

SCHEDULE K

PROJECT NAME	ORIGINAL APPROVED PROJECT	ADJUSTED PROJECT COST	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	20% PUC AS OF 02/28/18	Construction fund balance AS OF 02/28/18
Agana Treatment Plant	$ 10,475,000	$ 11,065,512	11,065,512	$ -	$ 11,065,512	$ (0)	$ 2,095,000	$ (0)
								$ -
Agana Outfall	$ 5,030,000	$ 10,127,198	10,127,198	$ -	$ 10,127,198	$ 0	$ 1,006,000	$ 0
								$ -
								$ -
Northern District (Outfall)	$ 4,700,000	$ 10,251,423	10,251,423	$ -	$ 10,251,423	$ 0	$ 940,000	$ 0
Northern District WWTP Upgrade		$ 173,681	173,681		$ 173,681	$ -		$ -
Northern Treatment Plant		$ -	-		$ -	$ -		$ -
Baza Gardens Wastewater Treatment Plant	$ 500,000	$ 297,177	297,177	$ -	$ 297,177	$ (0)	$ 100,000	$ (0)
Interim Disinfection Facilities	$ 581,000	$ 3,437,311	3,408,599	$ 28,712	$ 3,437,311	$ (0)	$ 116,200	$ 28,712
						$ -		$ -
Electrical Protection	$ 1,000,000	$ 1,512,483	1,512,483.3	$ -	$ 1,512,483	$ (0)	$ 200,000	$ (0)
Well Vulnerability Reduction	$ 600,000	$ 185,522	185,522	$ -	$ 185,522	$ 0	$ 120,000	$ 0
Old Agat Wastewater Collection (I/I Reductic	$ 2,155,000	$ 1,931,659	1,931,659	$ -	$ 1,931,659	$ (0)	$ 431,000	$ (0)
				$ -		$ -		$ -
Chaot WW Pump Station/Collection System	$ 410,000	$ 399,120	399,120	**$ -**	$ 399,120	$ -	$ 82,000	$ -
Lift Station Upgrades	$ 230,000	$ 149,895	149,895	$ -	$ 149,895	$ 0	$ 46,000	$ 0
Collection Line Upgrades	$ 200,000	$ 62,755	62,755	$ -	$ 62,755	$ 0	$ 40,000	$ 0
"A" Well Transmission Line	$ 2,413,000	$ 3,833,175	3,790,888	$ 42,287	$ 3,833,175	$ (0)	$ 482,600	$ 42,287
					$ -	$ -		$ -
Santa Rita Springs - Booster Pump Rehab.	$ 648,000	$ 306,841	306,841	-	$ 306,841	$ (0)	$ 129,600	$ (0)
						$ -	$ -	$ -
Fena Bypass Transmission line		$ 160,913	160,913	$ -	$ 160,913	$ (0)	$ -	$ (0)
Storage Additions	$ 950,000	$ -			$ -	$ -	$ 190,000	$ -
Booster Station Upgrades	$ 390,000	$ 66,734	66,734	$ -	$ 66,734	$ -	$ 78,000	$ -
Mangilao Tank Repair	$ 800,000	$ 398,367	397,933	$ 434	$ 398,367	$ (0)	$ 160,000	$ 434
Ugum Tank Replacement	$ 2,500,000	$ -			$ -	$ -	$ 500,000	$ -
Ugum WTPlant Refurbishment ($1.724,970EPA)		$ 6,588,473	6,531,525	$ 56,949	$ 6,588,473	$ (0)		$ 56,948
Barrigada Tank Repair/Replacement	$ 3,000,000	$ 65,019	65,019	$ -	$ 65,019	$ 0	$ 600,000	$ 0
						$ -		$ -
Water Reservoir Condition Assessment		$ 1,250,000	1,249,227.16	$ 772	$ 1,250,000	$ 0	$ -	$ 773
EarthTech Well Buyout	$ 5,000,000	$ 5,975,000	5,975,000	$ -	$ 5,975,000	$ -	$ 1,000,000	$ -
Water Wastewater Master Plan	$ 4,900,000	$ 4,881,308	4,881,308	$ -	$ 4,881,308	$ 0	$ 980,000	$ 0
Laboratory Modernization	$ 800,000	$ 135,055	135,055	$ -	$ 135,055	$ 0	$ 160,000	$ 0
Land Survey	$ 800,000	$ 577,836	576,134	$ 1,702	$ 577,836	$ 0	$ 160,000	$ 1,702
Ground Water Disinfection		$ -				$ -		$ -
GWUDI Study		$ 262,234	260,430	1,804	$ 262,234	$ -		$ 1,804
						$ -		$ -
Contingency	$ 12,276,023	$ 154	-	$ -	$ -	$ -		$ 732
						$ -		$ -
						$ -		$ -
						$ -		$ -
						$ -		$ -
						$ -		$ -
Vehicles	$ 1,100,000	$ 1,280,000	2,130,305	$ (850,305)	$ 1,280,000	$ -	$ 220,000	$ -
Generation Equipment	$ 700,000	$ 880,000	2,712	$ 877,288	$ 880,000	$ 0		$ 27,033
Leak Detection/Line Replacement	$ 8,200,000	$ 5,988,494	5,988,494	$ -	$ 5,988,494	$ -	$ 1,640,000	$ -
						$ -		$ -
						$ -		$ -
Automated Meter Reading	$ 12,572,063	$ 17,468,359	16,870,522	$ 537,157	$ 17,468,359.32	$ 0	$ 2,514,413	$ 597,837
Total Construction Fund (2014 Series Refu	$ 82,930,086	$ 89,711,698	88,891,990	$ 758,873.38	$ 89,711,543	$ 1	$ 13,990,813	$ 758,263
Interest Earned	$ 6,781,612	$ (0)				$ (0)		$ 5,032
Total Project Cost Funding	**$ 89,711,698**	**$ 89,711,698**	**88,891,990**	**$ 758,873.38**	**$ 89,711,543**	**$ 1**	**$ 13,990,813**	**$ 763,295**

GUAM WATERWORKS AUTHORITY
2016 Series Bond Project Status
As of Feb. 28, 2018

SCHEDULE L

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Water Booster Pump Station	$ 4,139,000	$ 4,139,000			$ -	$ 4,139,000	$ 4,139,000
Meter Replacement Program	$ 4,501,000	$ 4,501,000		150,000.00	$ 150,000	$ 4,351,000	$ 4,501,000
Barrigada Tank Repair/Replacement	$ 1,013,000	$ 1,013,000		-	$ -	$ 1,013,000	$ 1,013,000
Leak Detection	$ 1,180,000	$ 1,180,000		-	$ -	$ 1,180,000	$ 1,180,000
Potable Water System Planning	$ 2,276,000	$ 2,276,000	214,954	261,339.91	$ 476,294	$ 1,799,706	$ 2,061,046
Deep Well Rehabilitation	$ 250,000	$ 250,000		110,013.00	$ 110,013	$ 139,987	$ 250,000
New Deep Wells at Down Hard	$ 1,190,000	$ 1,190,000			$ -	$ 1,190,000	$ 1,190,000
Master Meters	$ 3,616,000	$ 3,616,000	112,199	39,339.84	$ 151,539	$ 3,464,461	$ 3,503,801
Ugum Water Treatment Plant Intake	$ 18,000	$ 18,000			$ -	$ 18,000	$ 18,000
Water Wells	$ 2,500,000	$ 2,500,000			$ -	$ 2,500,000	$ 2,500,000
Water Distribution System	$ 2,049,000	$ 49,000			$ -	$ 49,000	$ 49,000
Pressure Zone Realignment /	$ 1,141,000	$ 1,141,000		668,355.20	$ 668,355	$ 472,645	$ 1,141,000
Mechanical/Electrical Equipment	$ 100,000	$ 100,000			$ -	$ 100,000	$ 100,000
Water Reservoir Internal/External	$ 800,000	$ 800,000			$ -	$ 800,000	$ 800,000
Water System Reservoirs 2005 Improvements	$ 42,350,000	$ 28,350,000	1,820,465	8,635,484.26	$ 10,455,949	$ 17,894,051	$ 26,529,535
Ugum Water Treatment Plant Reservoir	$ 6,410,000	$ -			$ -	$ -	$ -
Water Audit Program & Water Loss Control Plan	$ 1,000,000	$ 1,000,000				$ 1,000,000	$ 1,000,000
Agana Heights & Chaot Tanks	$ 1,220,000	$ 1,220,000		500,000.00	$ 500,000	$ 720,000	$ 1,220,000
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 1,895,000	$ 1,895,000		1,822,132.80	$ 1,822,133	$ 72,867	$ 1,895,000
Tank Major Repair Yigo#1 Mangilao#2 Agat#2	$ 10,500,000	$ 7,409,830		7,300,000.00	$ 7,300,000	$ 109,830	$ 7,409,830
Fire Hydrant Replacement Program	$ 2,000,000	$ 2,000,000			$ -	$ 2,000,000	$ 2,000,000
						$ -	
Wastewater System Planning	$ 349,000	$ 349,000	49,760	263,222.72	$ 312,983	$ 36,017	$ 299,240
Lift Station Upgrades	$ 2,404,000	$ 2,404,000	98,716	166,039.41	$ 264,755	$ 2,139,245	$ 2,305,284
Wastewater Collection System Repl/Rehab	$ 2,920,000	$ 2,920,000		224,923.00	$ 224,923	$ 2,695,077	$ 2,920,000
Baza Gardens STP Replacement	$ 16,700,000	$ 29,400,170	8,384,317	20,735,331.58	$ 29,119,649	$ 280,521	$ 21,015,853
Facilities Plan/Design for Umatac-Merizo WWTP	$ 527,000	$ 527,000	192,266	59,839.09	$ 252,105	$ 274,895	$ 334,734
Agat/Santa Rita STP Replacement	$ 3,000,000	$ 3,000,000	512,452	607,247.53	$ 1,119,700	$ 1,880,300	$ 2,487,548
Agana WWTP Interim Measures	$ 827,000	$ 827,000			$ -	$ 827,000	$ 827,000
Umatac Merizo Replacement	$ 8,000,000	$ 20,800,000	2,309,168	18,295,086.32	$ 20,604,254	$ 195,746	$ 18,490,832
						$ -	
Wastewater Pump Station Electrical Upgrade	$ 100,000	$ 100,000			$ -	$ 100,000	$ 100,000
Electrical Upgrade - Water Wells	$ 650,000	$ 650,000			$ -	$ 650,000	$ 650,000
Electrical Upgrade - Water Booster	$ 323,000	$ 323,000			$ -	$ 323,000	$ 323,000
SCADA Improvements – Phase 3	$ 1,177,000	$ 1,177,000	18,000	599,496.51	$ 617,497	$ 559,503	$ 1,159,000
SCADA Improvements – Phase 4	$ 6,500,000	$ 6,500,000			$ -	$ 6,500,000	$ 6,500,000
						$ -	
Laboratory Modernization	$ 1,127,000	$ 1,127,000	1,127,000	-	$ 1,127,000	$ -	$ -
Land Survey	$ 1,998,000	$ 1,998,000	14,147	1,246,376.39	$ 1,260,524	$ 737,476	$ 1,983,853
General Plant Improvements / Water	$ 2,769,463	$ 2,769,463	455,777	1,042,198.14	$ 1,497,975	$ 1,271,488	$ 2,313,686
Information Technology Integration Improvements	$ 500,000	$ 500,000	244,068	-	$ 244,068	$ 255,932	$ 255,932
Interest Earned		$ -					$ 792,582
Total Construction Fund (2016 Series Revenue Bond)	**$ 140,019,463**	**$ 140,019,463**	**$ 15,553,289**	**$ 62,726,426**	**$ 78,279,715**	**$ 61,739,748**	**$ 125,258,756**

GUAM WATERWORKS AUTHORITY
2017 Series Refunding Bond Project Status
As of Feb. 28, 2018

SCHEDULE M

PROJECT NAME	ORIGINAL APPROVED PROJECT COST	Adjusted Project Cost	EXPENDITURES AS OF 02/28/18	OUTSTANDING ENCUMBRANCES	TOTAL EXPENDITURES AND ENCUMBRANCES	UNOBLIGATED PROJECT COST	Construction fund balance AS OF 02/28/18
Ground Water Disinfection	$ -	$ 500,000	$ 438,141	$ 61,859	$ 500,000	$ 0	$ 61,859
"A" Series Well Transmission Line	$ 600,000	$ 518,144	$ 474,434	$ 1,274	$ 475,709	$ 42,435	$ 43,710
Water Booster Pump Station	$ 500,000	$ 500,000	$ 418,844	$ 81,156	$ 500,000	$ (0)	$ 81,156
Meter Replacement Program	$ 2,500,000	$ 10,300,000	$ 10,254,220	$ 19,409	$ 10,273,628	$ 26,372	$ 45,780
Barrigada Tank Repair/Replacement	$ -	$ 5,450,000	$ 5,442,302	$ 7,698	$ 5,450,000	$ 0	$ 7,698
Leak Detection		$ 200,000	$ -	$ 200,000	$ 200,000	$ -	$ 200,000
Potable Water System Planning	$ 200,000	$ 200,000	$ 179,638	$ 20,362	$ 200,000	$ -	$ 20,362
Implement Ground Water Rule		$ 1,700,000	$ 1,499,464	$ 200,535	$ 1,700,000	$ 1	$ 200,536
Brigade II (Ugum Lift) BPS Upgrade	$ 1,200,000	$ 1,700,000	$ 135,695	$ 202,199	$ 337,895	$ 1,362,105	$ 1,564,305
Deep Well Rehabilitation	$ 548,000	$ 548,000	$ 548,000	$ -	$ 548,000	$ -	$ -
New Deep Wells at Down Hard	$ 3,773,000	$ 638,252	$ 485,743	$ -	$ 485,743	$ 152,509	$ 152,509
Rehabilitation of Asan Springs	$ 900,000	$ 900,000	$ 188,771	$ 152,068	$ 340,838	$ 559,162	$ 711,229
Master Meters	$ 1,600,000	$ 1,600,000	$ 1,421,267	$ 68,690	$ 1,489,957	$ 110,043	$ 178,733
Ugum Water Treatment Plant Intake	$ 3,670,000	$ 700,000	$ 543,615	$ 156,385	$ 700,000	$ -	$ 156,385
Water Wells	$ 2,000,000	$ -	$ -		$ -	$ -	$ -
Water Distribution System	$ 384,000	$ 3,174,748	$ 3,174,748	$ -	$ 3,174,748	$ (0)	$ (0)
Pressure Zone Realignment /	$ 3,550,000	$ -	$ -		$ -	$ -	$ -
Northern System Water Distribution	$ 2,725,000	$ -	$ -	$ -	$ -	$ -	$ -
Central Water Distribution System 2005	$ 1,200,000	$ 900,000	$ 728,780	$ 46,222	$ 775,002	$ 124,998	$ 171,220
Southern Water Distribution System	$ 1,800,000	$ -	$ -		$ -	$ -	$ -
Mechanical/Electrical Equipment	$ 1,360,000	$ 1,200,000	$ 1,079,495	$ 120,505	$ 1,200,000	$ (0)	$ 120,505
Water Reservoir Internal/External	$ 500,000	$ 2,000,000	$ 1,033,356	$ 476,027	$ 1,509,384	$ 490,616	$ 966,644
Water Reservoir Internal/External	$ 2,400,000	$ -	$ -		$ -	$ -	$ -
Water System Reservoirs 2005 Improvements	$ 11,697,000	$ 1,050,000	$ 1,050,000		$ 1,050,000	$ 0	$ 0
Distribution System Upgrades	$ 3,182,000	$ 474,160	$ 451,462	$ 22,698	$ 474,160	$ 0	$ 22,698
Ugum Water Treatment Plant Reservoir	$ 3,672,000	$ -	$ -		$ -	$ -	$ -
Water Audit Program & Water Loss Control Plan		$ 100,000	$ 15,031	$ 63,428	$ 78,459	$ 21,541	$ 84,970
Production Plan / Reduce Navy Purchases		$ 100,000	$ 94,286	$ 5,714	$ 100,000	$ -	$ 5,714
Hydraulic Asessment of Tank		$ 500,000	$ 497,004	$ 2,996	$ 500,000	$ -	$ 2,996
Agana Heights & Chaot Tanks		$ 4,700,000	$ 4,327,370	$ 372,630	$ 4,700,000	$ -	$ 372,630
Tank Major Repair Yigo#1 Mangilao#2 Agat#2		$ 1,900,000	$ 1,750,355	$ 97,659	$ 1,848,013	$ 51,987	$ 149,645
Tank Major Repair Yigo#1 Mangilao#2 Agat#2		$ -			$ -	$ -	$ -
Assessment of malojloj Elevetad & Yigo Elevated		$ 200,000	$ 200,000	$ -	$ 200,000	$ -	$ -
Public Water System Asser Inventory/Condition Assesment		$ 100,000	$ 96,554	$ 3,446	$ 100,000	$ -	$ 3,446
Public Water System GIS & Mapping		$ 50,000	$ 50,000	$ -	$ 50,000	$ -	$ -
		$ -			$ -	$ -	$ -
Wastewater System Planning	$ 1,500,000	$ 1,500,000	$ 1,465,858	$ 8,142	$ 1,474,000	$ 26,000	$ 34,142
Wastewater Vehicles	$ 235,000	$ 235,000	$ 209,795	$ 25,205	$ 235,000	$ 0	$ 25,205
NDWWTP - Chlorine Tanks	$ 250,000	$ 250,000	$ 250,000		$ 250,000	$ -	$ -
Tumon Bay Sewer Upgrades	$ 100,000	$ -	$ -		$ -	$ -	$ -
Wastewater Collection System Repl/Rehab		$ 1,105,000	$ 718,036	$ 283,287	$ 1,001,323	$ 103,677	$ 386,964
Facilities Plan/Design for Baza Gardens WWTP	$ 1,250,000	$ 1,250,000	$ 1,239,250	$ 10,750	$ 1,250,000	$ -	$ 10,750
Facilities Plan/Design for Agat-Santa Rita WWTP	$ 900,000	$ 899,630	$ 881,749	$ 17,881	$ 899,630	$ -	$ 17,881
Priority 1 Sewer Upgrades – Baza Gardens WWTP	$ 650,000	$ -	$ -		$ -	$ -	$ -
Baza Gardens STP Replacement	$ 3,567,000	$ 1,301,947	$ 316,686	$ 314	$ 317,000	$ 984,947	$ 985,261
Facilities Plan/Design for Umatac Merizo WWTP		$ 900,000	$ 739,957	$ 113,901	$ 853,858	$ 46,142	$ 160,043
Agat/Santa Rita STP Replacement	$ 2,968,000	$ 2,218,000	$ 2,217,314	$ 387	$ 2,217,701	$ 300	$ 686
Northern District WWTP Primary Treatment Upgrades	$ -	$ 11,750,000	$ 11,532,253	$ 211,261	$ 11,743,514	$ 6,486	$ 217,747
Biosolids Management Plan		$ 200,000	$ 196,414	$ 3,586	$ 200,000	$ -	$ 3,586
Agana WWTP Interim Measures	$ -	$ 11,500,000	$ 11,242,386	$ 57,614	$ 11,300,000	$ 200,000	$ 257,614
I&I SSES Southern		$ 800,000	$ 778,374	$ 21,626	$ 800,000	$ (0)	$ 21,626
I&I SSES Central		$ 850,000	$ 794,325	$ 55,675	$ 850,000	$ -	$ 55,675
I&I SSES Northern		$ -			$ -	$ -	$ -
Umatac Merizo Replacement		$ 250,000	$ 247,431	$ 2,569	$ 250,000	$ -	$ 2,569
Northern District WWTP Secondary Treatment Upgrades		$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	$ -	$ 1,000,000
		$ -					
Well Electrical Protection	$ 26,000	$ -	$ -		$ -	$ -	$ -
SCADA Pilot Project	$ 300,000	$ 61,950	$ 19,812	$ 42,138	$ 61,950	$ (0)	$ 42,138
Electrical Upgrade - Water Wells	$ 3,000,000	$ 354,227	$ 335,378	$ 18,849	$ 354,227	$ 0	$ 18,849
Electrical Upgrade - Water Booster	$ 325,000	$ -	$ -		$ -	$ -	$ -
Electrical Upgrade -Water Booster	$ 350,000	$ -	$ -		$ -	$ -	$ -
Electrical Upgrade - Other Water	$ 250,000	$ -			$ -	$ -	$ -
SCADA Improvements – Phase 1	$ 250,000	$ 250,000	$ 193,989	$ 56,011	$ 250,000	$ -	$ 56,011
SCADA Improvements – Phase 2	$ 1,100,000	$ 1,056,986	$ 1,027,424	$ 29,562	$ 1,056,986	$ -	$ 29,562
SCADA Improvements – Phase 3	$ 2,500,000	$ 24,956	$ 24,956	$ -	$ 24,956	$ 0	$ 0
SCADA Improvements – Phase 4	$ 850,000	$ -	$ -		$ -	$ -	$ -
		$ -					
Laboratory Modernization	$ 1,200,000	$ -	$ -		$ -	$ -	$ -
Land Survey	$ 1,500,000	$ 500,000	$ 470,590	$ 29,097	$ 499,687	$ 313	$ 29,410
General Plant Improvements / Water	$ 14,370,000	$ 7,241,000	$ 7,241,000	$ 0	$ 7,241,000	$ 0	$ 0
Interest Earned							$ 88,218
Total Construction Fund (2010 Series Revenue Bond)	**$ 87,402,000**	**$ 87,402,000**	**$ 78,721,552**	**$ 4,370,814**	**$ 83,092,366**	**$ 4,309,634**	**$ 8,768,666**

1.) PUC's Docket 11-01 $29,000,000.00 dated
09/19/11authorized GWA for reallocation
2) PUC's Docket 11-01 Reallocation of $23,246,000.00 dated 07/30/12
3) PUC's Dockect Reallocation dated February 2013

GUAM WATERWORKS AUTHORITY
Schedule of Series 2013, 2014 Refunding, 2016 and 2017 Refunding Bond Bank Accounts
As of February 28, 2018

SCHEDULE N

	2/28/2018
BANK OF GUAM	
BOG - Revenue Account	7,778,784
BOG - Operations and Maintenance Reserve	3,083,482
BOG - Operations, Maintenance, Renewal and Replacement Reserve Fund	17,423,213
BOG - Capital Improvement Fund	1,917,781
BOG - O & M Reserve	13,559,735
BOG - Debt Service Reserve	11,253,683
BOG - CAPEX Reserve	15,510,753
Total BOG Bank Account Balance	**70,527,432**
Series 2013 Bond:	
BOG - Construction Fund	57,265,927
USB - Debt Service Fund	1,566,065
USB - Debt Service Reserve Fund	12,031,688
Total Series 2013 Bond Bank Balance	**70,863,680**
Series 2014 Refunding Bond:	
BOG - Construction Fund	763,295
USB - Debt Service Fund	2,943,036
USB - Debt Service Reserve Fund	7,781,747
Total Series 2014 Refunding Bond Bank Balance	**11,488,077**
Series 2016 Bond:	
BOG - Construction Account	125,258,757
BOG - Capitalized Interest Fund	2
USB - Debt Service Fund	1,195,618
USB - Debt Service Reserve Fund	7,594,585
Total Series 2016 Bond Bank Balance	**134,048,962**
Series 2017 Refunding Bond:	
BOG - Construction Account	8,768,666
BOG - Cost of Issuance Fund	47,463
USB - Debt Service Fund	2,330,859
USB - Debt Service Reserve Fund	7,566,460
Total Series 2017 Refunding Bond Bank Balance	**18,713,448**

GUAM WATERWORKS AUTHORITY
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Tel: (671) 300-6846

Issues for Decision

GWA Resolution No. 21-FY2018 / GPA Resolution No. 2018-08
Relative to Adoption and Implementation of a Unified Executive Officer Evaluation Policy for the Guam Power Authority and the Guam Waterworks Authority

What is the project's objective and is it necessary and urgent?
There is a pressing need to put in place a formal reporting and assessment mechanism for the Executive Officers of each utility.

Where is the location?
Executive Offices

How much will it cost?
No direct costs incurred**.**

When will it be completed?
Implementation date is April 1, 2018.

What is the funding source?
Not applicable

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

GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 21–FY2018

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 Power Authority and the Guam Waterworks Authority; and

WHEREAS, the Guam Power Authority ("GPA") and the Guam Waterworks Authority ("GWA") are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the CCU has directed GPA and GWA to review the existing reporting requirements of the Officers of the Authorities along with the manner and frequency of evaluating the performance of the individual in each position; and

WHEREAS, GPA and GWA drafted a new unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") to memorialize the responsibilities of the CCU and the General Managers with respect to assessing the performance of the executive officer team for each utility with the intent of establishing and documenting the performance goals and objectives for the officer team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed; and

WHEREAS, the CCU has solicited comments from GPA & GWA General Managers and General Counsels regarding the proposed EXECUTIVE OFFICER EVALUATION POLICY; and

WHEREAS, management of GPA and GWA request the CCU to adopt the proposed unified EXECUTIVE OFFICER EVALUATION POLICY.

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

1. The unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") for GPA and GWA is hereby adopted to include the General Managers, Chief Financial Officers and General Counsels of GPA and GWA.
2. This policy shall be effective for the Guam Power Authority, Guam Waterworks Authority and the Consolidated Commission on Utilities on April 1, 2018.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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: _____

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

EXECUTIVE OFFICER EVALUATION POLICY

Section 1. AUTHORITY

In accordance with 12 GCA §79101, the Consolidated Commission on Utilities (CCU) hereby adopts the following Policy on Personnel Performance Evaluations, to assist in the conduct of its affairs.

Section 2. PREAMBLE

The CCU is tasked under law with the responsibility of recruitment, management and direction of the executive management positions for both the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA), specifically the General Managers, Chief Financial Officers, and General Counsels for the respective utilities.

The CCU desires to proactively and regularly assess the performance of the executive management team for each utility with the intent of establishing and documenting the performance goals and objectives for the management team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed.

The CCU formally defines the roles of the executive management team of each utility as follows:

General Manager - Leads the executive management team and is responsible for the overall performance of the utility with the responsibilities defined in and in accordance with the provisions of the law.

Chief Financial Officer – Works with the General Counsel in support of the General Manager and is responsible for the financial performance of the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

General Counsel – Works with the Chief Financial Officer in support of the General Manager and is responsible for all legal matters for the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

EXHIBIT A

To this end, the CCU intends to formalize and document the manner in which personnel performance evaluations are conducted through a formal policy which will clarify the intent of this activity and set the general guidelines by which the activity is to be conducted.

Section 3. STATEMENT OF POLICY

It is the policy of the CCU to conduct individual performance evaluations for each member of the executive management team of both the GPA and GWA at a minimum of once per annum in accordance with the following guidelines.

Section 4. GENERAL GUIDELINES

(a) The CCU shall conduct performance evaluations for the following positions on at least an annual basis:

1. GPA General Manager
2. GPA Chief Financial Officer
3. GPA General Counsel
4. GWA General Manager
5. GWA Chief Financial Officer
6. GWA General Counsel

(b) The Chairperson shall call for the performance evaluation of each of the above employees at a schedule convenient for the Commission.

(c) All Commissioners shall participate in the performance evaluation and provide their input and feedback to the Chairperson.

(d) The CCU shall set the performance criteria to be used in the evaluation and discuss the same with each employee upon hiring or within the first quarter following the date of hire. In the case of employees in the above positions prior to the adoption of this policy, the CCU shall discuss the performance criteria at the first performance evaluation subsequent to adoption of the policy.

(e) The CCU may adopt any forms or formats for the documentation of the performance evaluation, and may, from time to time, revise the forms or formats as needed to meet the intent of this policy.

(f) The CCU shall solicit evaluations from each General Manager, as leader of the executive management team, which shall be made part of the CCU's performance criteria used in each evaluation conducted on the Chief Financial Officer and General Counsel.

(g) The CCU shall meet with each employee listed above individually to discuss the results of the performance evaluation and to set, review and/or revise the performance goals and objectives for the next performance period.

(h) In accordance with Section 3, paragraph (g) of the CCU Code of Ethics, such performance evaluations shall be performed in a closed executive session in accordance with Guam Law.

Section 5. DISSEMINATION

A copy of this policy shall be delivered to each and every new member of the CCU no later than two weeks after such new member takes office.

Section 6. EFFECTIVE DATE

This Policy shall take effect upon approval by and affirmative vote of the majority of the Commissioners of the CCU.

SO APPROVED this _____ day of March, 2018.

_____ _____

JOSEPH T. DUENAS
Chairman

FRANCIS E. SANTOS
Vice-Chairman

_____ _____

J. GEORGE BAMBA
Secretary

SIMON A. SANCHEZ, II
Commissioner

_____

DR. JUDITH P. GUTHERTZ, P.A.
Treasurer

DRAFT

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-FY2018
Relative to the Approval of Adding the Utility Payroll Clerk Series of Positions to the GWA Certified, Technical and Professional List.

What is the project's objective and is it necessary and urgent?
The GWA finds the addition of the Utility Payroll Clerk series of positions will support the Payroll section of the Finance Division. The GWA is currently staffed with a Payroll Supervisor, who currently works through issues relative to manual review of numerous personnel actions which can cause delays in final payout of salary adjustments, transition and migration via the Payroll Section. Recruitment of this position will allow for continuity of service in the payroll section and reduce reliance on a single position for this critical function. The recruitment will expedite processing of personnel actions for payroll purposes with minimal to no delays.

Where is the location?
The Utility Payroll Clerk will be under the direct supervision of the Payroll Supervisor in the Finance Division of the Authority.

When will it be completed?
The addition of the Utility Payroll Clerk series of positions will be completed upon approval by the CCU Board for recruitment purposes.

What is the funding source?
GWA will certify funding for the position available for the filling and retention of its newly added certified, technical and professional position. The funding of this position will be from the operational revenues.

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-FY2018

RELATIVE TO THE APPROVAL OF ADDING THE UTILITY PAYROLL CLERK SERIES OF POSITIONS TO THE GWA CERTIFIED, TECHNICAL AND PROFESSIONAL LIST

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 Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions; and

WHEREAS, Recruitment of this position will allow for continuity of service in the payroll section and reduce reliance on a single position for this critical function. The recruitment will expedite processing of personnel actions for payroll purposes with minimal to no delays.

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The Utility Payroll Clerk series of positions is hereby added to the certified, technical and professional list of positions at GWA. (Attachment A)
3. Approval for GWA to recruit for the position to support the Payroll Section of the Finance Division.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS **J. GEORGE BAMBA**
Chairperson Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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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ATTACHMENT A

0.430

UTILITY PAYROLL CLERK I

NATURE OF WORK IN THIS CLASS:

This is routine utility clerical work in the preparation of payrolls and the maintenance of payroll records. Work is reviewed through submission of reports.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Sorts and files personnel actions, correspondences, and other materials in the employees' jackets.

Updating and balancing employees leave status manually and in the JD Edwards System. Accrues employees annual and sick leave from employees record card.

Participates in computing special payments manually.

Processing of new employees (by entering their tax method, tax exemption, check route and security business unit.

Prepares timesheets of employees; posts to time and attendance record; checks for completeness and accuracy.

Prepares labor distribution summary.

Maintains payroll records and prepares reports.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of office practices and procedures.

Ability to learn and apply established payroll policies, procedures, and guidelines.

Ability to learn and use a computerized time entry system.

Ability to make arithmetic computations.

Ability to work effectively with the public and employees.

Ability to understand and follow oral and written instructions.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Two years experience as an office clerk;

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $27,390 D2B
maximum: $28,503 D3B

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

UTILITY PAYROLL CLERK II

NATURE OF WORK IN THIS CLASS:

This is moderately complex utility clerical work involved in the preparation of payrolls and the maintenance of payroll records in the autonomous agencies.

Employees in this class perform complex payroll clerical work independently on an ongoing basis.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Prepares and maintains individual service cards for employees; annotates all necessary information on the service cards such as rates, job code titles, pay ranges, annual and sick leave taken and accrued each pay period.

Process time entry, payroll direct deposits and deductions utilizing the JD Edwards Systems.

Prepares and maintains payroll control master affecting necessary adjustment to employees salaries, deduction and related records.

Process Automatic Clearing House (ACH) transfers.

Processes personnel actions affecting employees' pay such as promotion, demotion, etc., computing retroactive adjustment for payments.

Processes and controls flow of Time of Attendance Time Sheet and other payroll disbursement for processing of payments.

Processes special payments manually for advance pay, lump sum payments, errors in leave processing, etc.

Balance year-to-date on individual earnings.

Controls accuracy, completeness and current status of savings bonds records.

Prepares bi-weekly payroll summary report, payroll analysis every end of payroll period.

May audit all special payments prior to signature of Payroll Supervisor.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the practices and procedures of office management.

Ability to learn existing compensation plan; withholding tax procedures; payroll accounting procedures; laws and regulations giving the legality of payroll actions; policies and procedures in accomplishing payroll work and all types of actions affecting the salaries of a variety of employees.

Ability to learn and use a computerized time entry system.

Ability to make decisions in accordance with appropriate program guidelines.

Ability to make arithmetic computations.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Two years experience as an office clerk and one year in payroll work; or

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $32,336 G2B
maximum: $33,649 G3B

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

0.432

UTILITY PAYROLL CLERK III

NATURE OF WORK IN THIS CLASS:

This is complex utility clerical work involved in the preparation of payrolls and the maintenance of payroll records in the autonomous agencies.

Employees in this class perform full range of complex payroll clerical work independently on an ongoing basis.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Establishes employees names on the on-line payroll master.

Prepares and maintains payroll control master affecting necessary adjustments to employees' salaries, deductions and related records.

Process time entry, payroll direct deposits and deductions utilizing the JD Edwards System.

Process online Automatic Clearing House (ACH) transfers.

Processes personnel actions affecting employees' pay such as promotion, demotion, etc., computing retroactive adjustment for payments.

Updates payroll control master at pay period ending; verifies against the manual control master; releases control master for check-write.

Processes special payments manually for advance pay, lump sum payments, errors in leave processing, etc.

Balance year-to-date on individual earnings.

Controls accuracy, completeness and current status of savings bonds records.

Prepares bi-weekly payroll summary report, and payroll analysis every end of payroll period.

May audit all special payments prior to signature of Payroll Supervisor.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the principles and practices of office management.

Ability to learn existing compensation plan; withholding tax procedures; payroll accounting procedures; laws and regulations giving the legality of payroll actions; policies and procedures in accomplishing payroll work and all types of actions affecting the salaries of a variety of employees.

Ability to proficiently use a computerized time entry system.

Ability to make decisions in accordance with appropriate program guidelines.

Ability to make arithmetic computations.

Ability to operate a computer terminal utilizing the payroll process.

Ability to work effectively with the public and employees.

Ability to communicate effectively.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A) Three years of experience as an office clerk and two (2) year in payroll work and graduation from high school; or

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities, and skills.

Established: September 26, 2017

10th Market Percentile (2017 Data)
minimum: $37,044 H4A
maximum: $38,549 H5A

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
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Tel: (671) 300-6846

ISSUES FOR DECISION

Resolution No. 23-FY2018
Relative to the Approval of the Amendment of the Assistant General Manager of Administration & Support (Unclassified) Job Classification Standard

What is the project's objective and is it necessary and urgent?
To amend the Assistant General Manager of Administration & Support job specification and salary range to support the Agency's daily operations within its Administrative and Support Divisions providing quality customer service to both internal and external customers at the most effective, efficient and cost-effective manner.

The Agency currently employs one Assistant General Manager for Compliance & Safety, while the other divisions of as much importance function without an Assistant General Manager at its helm, thus limiting effective communications direct to the General Manager while at the same time, affecting operations to provide statuses by Superintendents or Managers, who would otherwise be addressing the water and/or wastewater needs of our community.

Where is the location?
The Assistant General Manager of Administration & Support, if approved, will be under the direct supervision and management of the General Manager while overseeing the following divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

When will it be completed?
Public Law 28-112, Section 9 (2) 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.

What is the funding source?
GWA will certify funding for the position available for the filling and retention of its certified, technical and professional newly created position. The funding of this position does not have an impact on the General Fund.

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-FY2018

RELATIVE TO THE APPROVAL OF THE AMENDMENT OF THE ASSISTANT GENERAL MANAGER ADMINISTRATION & SUPPORT (UNCLASSIFIED) JOB CLASSIFICATION STANDARD

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, the GWA General Manager requests the CCU to approve the amendment of the Assistant General Manager Administration & Support classification standard (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Assistant General Manager Administration & Support position in the unclassified status; and

WHEREAS, Public Law 28-112 and 4 GCA §6303 (d) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The amendment of the job classification standard for the Assistant General Manager Administration & Support position in the unclassified status is hereby approved and attached herein as Attachment A.
3. The Assistant General Manager Administration & Support position is hereby added to the certified, technical and professional list of positions at GWA.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS	**J. GEORGE BAMBA**
Chairperson	Secretary

SECRETARY'S CERTIFICATE

I, **J. George Bamba**, 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: _____

ATTACHMENT A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P. O. Box 3010 Hagåtña, Guam 96932
Tel: 671.300.6846-48, Fax 671.648.3290

ASSISTANT GENERAL MANAGER OF ADMINISTRATION & SUPPORT (AGMA&S)
(Unclassified)

PROPOSED

MINIMUM QUALIFICATIONS

A. Master's Degree in Business Management, Business Administration, Public Administration or other related field; with major course work in utility infrastructure and operations, organization and customer service, analysis and evaluation, and financial management, plus 6 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, construction or technically related field; **OR**

B. Bachelor's Degree in Business Management, Business Administration, Public Administration or other related field with a minimum of 10 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, customer service, construction or technically related field;

NATURE OF WORK IN THIS CLASS:

- This is complex work involving the planning, organizing, staffing, directing and coordinating of all the Authority's administrative, technical and logistical support services, including customer service, procurement, warehouse and supply, equipment and vehicle fleet, information and data systems, and staffing resources to ensure the success of utility operations, customer care, compliance & safety, and finance & accounting functions.

- The AGMA&S shall report to and is accountable to the Guam Waterworks Authority's General Manager for the provisions of customer service and technical support, fleet and staffing support services to the rest of the Authority in an efficient manner, to enable successful operation of the utility.

- The AGMA&S is also responsible and accountable for managing and organizing efficient business practices in the divisions assigned.

- The AGMA&S shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

- The AGMA&S directs and manages the development of short-term and long-term goals and objectives of GWA and ensures their effective execution and all assigned administrative and support functions are sustainable; and effectively serves the needs of GWA's ratepayers while complying with applicable laws and regulations; and performs related duties as assigned.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned)

- To manage, coordinate, and report on designated administrative and support divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

- The AGMA&S shall plan, organize, staff, and direct the operation of the Authority's administrative and support divisions, including the setting of objectives, standards, training of employees and evaluation of staff and divisional performances.

- The AGMA&S shall assure compliance with the minimum Levels of Service (LOS) established by the Authority in the operation of the administrative and support divisions, and shall work with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, achieve utility wide LOS compliance at the lowest possible cost.

- The AGMA&S shall analyze the administrative and support functions for performance, costs and effectiveness, and develop strategies and recommendations to increase efficiency, reliability, sustainability, compliance and security of these functions, while maintaining the lowest cost possible.

- The AGMA&S shall work with the General Manager in continuing and advancing where feasible and desirable, the interoperation of an integration with military water and wastewater utility systems, in accordance with policy guidelines established by the CCU.

- The AGMA&S shall be responsible for the preparation of annual budget estimate for the administrative and support divisions under his or her supervision.

- The AGMA&S shall be responsible for the preparation of the Authority's Capital Improvement Program. The AGMA&S shall, working with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, support the implementation of approved CIPs in accordance with the Authority's approved Capital Improvements Program.

- The AGMA&S shall also oversee the provision of all customer service and information technology support as required to properly and effectively carry out the operational, administrative and support functions of the Authority.

- The AGMA&S shall be responsible, along with the Procurement Administrator and Warehouse Manager, for the planning, budgeting, procurement, storage and warehousing and proper dissemination/distribution of all materials, equipment, consumables and supplies needed to support all functions and operations of the Authority.

- The AGMA&S shall be responsible for the planning, budgeting, procurement, service, maintenance, assignment and monitoring of all fleet vehicles required to support all operations and functions of the Authority.

- The AGMA&S shall be responsible, along with the Personnel Services Administrator for the hiring, training and administration of all human resources functions and programs in compliance with federal and Guam law.

- The AGMA&S shall provide complete and timely reports on the administrative and support functions to the General Manager and the CCU.

- The AGMA&S may be appointed to serve as Acting General Manager for the Authority from time to time.

- The AGMA&S shall perform such other duties assigned by the General Manager.

MINIMUM KNOWLEDGE, SKILLS AND ABILITY:

- Knowledge of best practices in customer service, information technology support, procurement and supply, equipment fleet and staffing support functions related to facilities and infrastructure systems; procurement rules and regulations; information technology systems and development, deployment and maintenance; human resources practices and procedures, administration, training and development.

- Knowledge of personnel administration, internal and external customer service, office administration and utility organization.

- Knowledge of facilities management and facilities operations support systems for water and wastewater utilities.

- Knowledge of information technology, data processing, and financial management and support hardware and software systems.

- Knowledge of the procurement code, principles, practices, warehousing, inventory and supply chain management for utilities operations and support.

- Knowledge of management techniques, principles, and procedures to assign work, schedule, supervise, train, and evaluate the work of assigned staff.

- Knowledge of the utility's organization and operations and ability to anticipate the consequences of the utility's policies and practices within the economic, social and cultural structure of its service area.

- Ability to analyze and evaluate statistical and financial data, conduct and direct research, and develop alternatives and recommendations.

- Ability to communicate effectively with management and subordinates, both orally and in writing to convey logic and rationale ideas, objectives, consequences.

- Ability to establish and implement effective operational programs and procedures. Establishes priorities for the completion of work in accordance with sound time-management methodology.
- Ability to perform a broad range of managerial responsibilities over others.
- Ability to handle a variety of issues with tact and diplomacy and in confidential manner.
- Ability to induce effective employee performance to maintain high level of morale, performance, training and safety.
- Ability to understand and support water and wastewater systems repair and maintenance programs.
- Ability to recommend and implement changes in policies, procedures, materials and equipment to enhance program effectiveness.

Position Established:	1 February 1997
Amended (1st):	October 2012
Amended (2nd):	November 2016
Amended (3rd):	March 2018

Salary: Alan Searle Compensation Plan; ***COMMENSURATE WITH EXPERIENCE***

Pursuant to 12GCA: Autonomous Agencies, Chapter 14: Guam Waterworks Authority, §14.114, Employment, paragraph (c): "Notwithstanding any other provisions of law, neither the General Manager, Assistant General Managers, Secretary, Treasurer, Comptroller, nor Attorney of the Authority shall be within the classified service of the government of Guam but shall be hired, compensated and employed under the terms and conditions fixed by, and at the pleasure of the Board."

Joseph T. Duenas, Chairman
Consolidated Commission on Utilities

PROPOSED

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. 24-FY2018
Relative to Ratification and Approval of Additional Purchases of Water Meters Under Indefinite Quantity Contract with Badger Meter Inc. for Water Meters of Various Sizes and Accessories.

What is the project's objective and is it necessary and urgent?
The objective of this resolution is to support GWA's on-going meter replacement initiative with regard to non-functioning model LP meters. In order to mitigate impact to revenues from the failing LP meter model, GWA initiated efforts to remove and replace the meters based on field performance, i.e., 'no consumption or low consumption' reads. To improve on this effort, GWA has ramped up the replacements and has outpaced the warranty replacement of the faulty meters. GWA continues to work with the manufacturer to expedite warranty replacements, but in order to achieve revenue recovery in the shortest time possible, purchase of additional meters is required to keep the pace of replacement efforts. This request will be used in purchasing water meters to provide a rolling inventory to replace defective meters currently installed island-wide.

We anticipate that there may be a number of meters which we are unable to get to within the warranty period, requiring purchase of replacements with no warranty coverage. In light of our recent efforts to expedite replacements, we have used existing inventory, and therefore, we also require an inventory of meters in various sizes for normal wear and tear replacements, new installations, and meter management purposes. These meters may be needed in the future before the expiration of the current 3-year contract with Badger Meter in early 2019. GWA is requesting approval to purchase up to approximately six thousand six hundred seventy-four meters, in sizes ranging from ¾-inch to 8-inch, at a cost of up to approximately One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65).

In addition, new meters were purchased to improve billing accuracy for customers who have wide variations in demand but could not be deployed because they required a dedicated power source at the customers meter box location. Rather than return these meters at a cost, the Manufacturer offered a deep discount if we kept the meters. GWA saw an opportunity to support production meter replacement in an effort to refine GWA's performance with respect to on-going water audit results since well sites have dedicated power sources. However, this originally un-planned purchase of production meters exceeded previously approved purchase levels, therefore GWA seeks a ratification of this expenditure.

Where is the location?
GWA customers island-wide.

How much will it cost?
The above effort will cost:

1. For rolling inventory of 10,100 of ¾-inch meters to facilitate warranty replacements: One Million Four Hundred Forty-Nine Thousand Eight Hundred Fifty-Five Dollars ($1,449,855.00).
2. For potential future inventory of replacement meters in various sizes up to 8-inches: One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty Five Cents ($1,115,718.65).
3. For ratification of previous purchases above previously authorized amounts: Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32).

This results in a total of Two Million Five Hundred Seventy-Nine Thousand Seven Hundred Ninety-Seven Dollars and Ninety-Seven Cents (**$2,579,797.97**).

PO Purchases

PO No	FY	GL Date	PO Amount	IFB 2015-13
299095	16	2/22/2016	$ 35,205.27	Y
299176	16	3/10/2016	$ 11,659.70	Y
299326	16	3/30/2016	$ 3,001.71	Y
299501	16	5/20/2016	$ 102,727.15	Y
299506	16	5/20/2016	$ 107.30	Y
299508	16	5/20/2016	$ 7,291.20	Y
299769	16	8/12/2016	$ 10,722.58	Y
299861	16	9/1/2016	$ 14,355.00	Y
299963	16	9/26/2016	$ 43,088.30	Y
300089	17	10/24/2016	$ 28,710.00	Y
300312	17	12/14/2016	$ 49,793.35	Y
300343	17	12/20/2016	$ 43,065.00	Y
300515	17	2/7/2017	$ 57,420.00	Y
300583	17	3/8/2017	$ 14,355.00	Y
300610	17	3/23/2017	$ 50,242.50	Y
300836	17	5/24/2017	$ 430,650.00	Y
300861	17	6/1/2017	$ 46,979.70	Y
300941	17	6/16/2017	$ 5,426.10	Y
300942	17	6/16/2017	$ 6,003.42	Y
300943	17	6/16/2017	$ 23,718.24	Y
301561	18	11/20/2017	$ 4,537.40	Y
As of Dec. 27, 2017			**$ 989,058.92**	
301812	18	1/12/2018	$ 14,355.00	Y
301813	18	1/12/2018	$ 10,810.40	Y
			$ 25,165.40	

TOTAL Purchase Orders **$ 1,014,224.32**

Additional Meter Purchases

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	10,100	$143.55	**$1,449,855.00**

Meter Inventory Replenishment

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	6,316	$143.55	$906,661.80
1	121	$226.87	$27,360.52
1 1/2	83	$361.74	$29,843.55
2	48	$540.52	$25,782.80
3	23	$738.12	$16,681.51
4	37	$1,200.92	$44,554.13
6	23	$2,202.86	$51,326.64
8	5	$3,001.71	$13,507.70
Inventory Replenishment Total	**6,654**		**$1,115,718.65**
Total Meter Purchases	**16,754**		**$2,565,573.65**

Summary IFB 2015-13 Badger Water Meters

CCU Ratification	$14,224.32	<Excess of $1M
Additional Meter Purchases	$1,449,855.00	Qty of 10,100 3/4 meters at $ 143.55 each.
Meter Inventory Replenishment	$1,115,718.65	Qty of 6,754 Meter Inventory Replenishment Various Sizes
TOTAL AMOUNT	**$2,579,797.97**	

When will it be completed?
The indefinite quantity contract will be in place for an initial term of 3 years and purchases will be ongoing on an as-needed basis over the life of the contract term. Three (3) year contract ends Feb 23, 2019.

What is the funding source(s)?
Internally Funded Capital Improvement Projects.

The RFP / Bid Responses
IFB 2015-13 Badger Water Meters.

EXHIBIT A



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WHEREAS, in order to support fulfilling Court Order requirements for meter replacement and provide for maintaining an adequate inventory, GWA advertised an Invitation for Bid (IFB) 2015-13 soliciting proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, out of fifteen (15) bidders expressing interest, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty-Seven Five Hundred Forty Dollars and Two Cents ($427,540.02) over a 3-year contract

term, made by Badger Meter Inc. is fair and reasonable and recommended Badger Meter Inc. be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter accepted the notice [EXHIBIT B]; and

WHEREAS, GWA submitted Resolution No. 32-FY2017 which sought approval of purchases up to One Million Dollars ($1,000,000.00) and CCU approved it on May 23, 2017 (EXHIBIT C); and

WHEREAS, GWA Management, in response to emergent functional issues with Badger's Model LP meter, has initiated efforts to replace that model under warranty with a more robust and reliable model, and such efforts have outpaced the receipt of warranty replacements from the manufacturer; and

WHEREAS, GWA Management seeks to continue its increased efforts to replace the Model LP meters to mitigate impacts to, and improve revenues, and will need to purchase additional meters to achieve this goal; and

WHEREAS, during the course of the replacement program, as meters are found to have failed the testing procedure, those meters still under warranty will be credited toward the supplier's invoices; and

WHEREAS, GWA Management seeks CCU Ratification of procurement related to IFB 2015-13 in the total amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) for the purchases in excess of One Million Dollars ($1,000,000.00) (EXHBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional ten thousand one hundred meters (10,100) meters with a unit cost of One Hundred Forty-Three Dollars and Fifty-Five Cents ($143.55) under IFB 2015-13 in the amount of One Million Four

Hundred Forty-Nine Thousand Eight Hundred Fifty-Five Dollars ($1,449,855.00) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional six thousand six hundred seventy-four (6,674) meters of various sizes for meter inventory replenishment in the total amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Two Million Five Hundred Seventy Nine Thousand Seven Hundred Ninety Seven Dollars and Ninety-Seven Cents ($2,579,797.97), which is the sum of purchase orders in excess of One Million Dollars ($1,000,000.00) totaling to Fourteen Thousand Two Hundred Twenty Four Dollars and Thirty Two Cents ($14,224.32) plus additional meters requested at a cost of One Million Four Hundred Forty Nine Thousand Eight Hundred Fifty Five Dollars ($1,449,855.00) plus meter inventory replenishment with an amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

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 bid proposal submitted by "Badger Meter Inc" are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.
4. All of the procurement herein is in the best interest of the territory of Guam and Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the

amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) (EXHIBIT D) and approves additional meter purchases in the amount of Two Million Five Hundred Sixty-Five Thousand Five Hundred Seventy-Three Dollars and Sixty-Five Cents ($2,565,573.65) (EXHIBIT D).

The CCU authorizes the General Manager to notify the Public Utilities Commission of this procurement as set forth in Section 3 of the PUC Order filed April 11, 2003, as a continuing obligation under the Court Order.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:	Attested by:
_____	_____
JOSEPH T. DUENAS	**J. GEORGE BAMBA**
Chairperson	Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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: _____

EXHIBIT A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: Miguel C. Bordallo, P.E., General Manager

CC Vincent Guerrero, SMA

FROM: Evaluation Committee Members

SUBJECT: Recommendation of Award
(Water Meters Various & Accessories)

DATE: January 26, 2016

Invitation for Bid No: GWA 2015-13 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on Sept 25, 2015 and open as scheduled on October 14, 2015 @ 10:00 am. Fifteen (15) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Canton Construction
2. Manhattan Guam Inc.
3. FS
4. Benson Guam
5. JMI Edison
6. Barrat Plumbing
7. Monhar Construction
8. Supreme Group Guam
9. American Int. Supply
10. American Water Works
11. USSI
12. Zenner Performance
13. GPE Ent.
14. Badger Meter Inc
15. Americas Best Electricmart

Of the fifteen (15), two (2) submitted their bid package, namely:

- Badger Meter Inc.
- Americas Best Eletricmart

An evaluation committee was formally assembled and met on October 28, 2015 @ 9:00 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Marc Lopez

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- Karen Grape
- Albert Perez
- Peter Salas

The committee members determined that Badger Meter Inc. submitted the lowest cost however, in-order for Badger Meter to be considered a responsive bidder, as part of the bid requirement, badger Meter Inc. is required to submit a Guam Business License in order to be consider for award.

On November 04, 2015, GWA notified Badger and requested they submit a Guam business license as specified in the bid, on January 07, 2016 Badger Meter complied and submitted a Guam business license, On January 12, 2016 the committee members reconvened and confirmed the requirement have been submitted by Badger and thereby agreed and accepted the bid offer from Badger Meter Inc. In closing, the committee members recommend the award issued to Badger.

Badger Meter Bid Cost:

Item No	Description	Estimated Qty	Unit Cost	Total Cost
1.1	Badger Water Meter RCDL Model 25 LL Disc Meter (NSF 61-G) 5/8" x ¾-3/4 Bore (3/4" x 7 ½")	500 each	$143.66	$71,775.00
1.2	Badger Water Meter 1 Inch RCDL Model 55 LL Disc Meter (NSF 61-G) 1" (1 x 10 ¾")	10 each	$226.87	$2,268.70
1.3	Badger Water Meter 1 ½" Inch RCDL Model 120 LL Disc Meter (NSF 61-G)	10 each	$361.74	$3,617.40
1.4	Badger Water Meter 2" Inch RCDL Model 170 Disc Meter (NDF61-G).	15 each	$540.52	$8,107.80

2

1.5	Badger Water Meter 3" inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$738.12	$3,690.60
1.6	Badger Water Meter 4" inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$1,200.92	$6,004.60
1.7	Badger Water Meter 6" inch. RCDL Turbo Series Meter LL (NSF 61-G).	2 each	$2,202.86	$4,405.72
1.8	Badger Water Meter 8" inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$3,001.71	$3,001.71
1.9	Badger Water Meter 10" inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$4,080.77	$4,080.77
1.10	Badger Water Meter 3" inch. RCDL Compound Series Meter LL (NSF 61-G).	5 each	$1,772.38	$8,861.88
1.11	Badger Water Meter 4" inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$2,789.88	$2,789.88

3

1.12	Badger Water Meter 6" Inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$3,953.04	$3,953.04
1.13	External Plate Strainer	1 each	$309.01	$309.01
1.14	3"External Plate Strainer	1 each	$405.65	$405.65
1.15	4" LL Bronze External Plate Strainer	1 each	$545.33	$545.33
1.16	6" LL Bronze External Plate Strainer	1 each	$761.12	$761.12
1.17	External Plate Strainer	1 each	$2,051.31	$2,051.31
1.18	External Plate Strainer	1 each	$4,567.20	$4,567.20
1.19	Assembly Elliptical 1-1/2"	1 each	$144.50	$144.50
1.20	Assembly Elliptical 2" Flange Brass	1 each	$195.50	$195.50
1.21	No Register, Orion ME Note: Add-on for each compound meter purchase	1 each	$107.30	$107.30
1.22	Badger M2000 2"	1 each	$1,863.00	$1,863.00
	Badger M2000 3"	1 each	$1,964.70	$1,964.70
	Badger M2000 4"	1 each	$2,070.90	$2,070.90
	Badger M2000 6"	1 each	$2,330.10	$2,330.10
	Badger M2000 8"	1 each	$2,640.60	$2,640.60

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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.

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:

Marc Lopez 01-22-2016
Marc Lopez, Associate Engineer

January 22, 2016
Karen Cheryl O. Grape, Management Analyst III, Operations

January 22, 2016
Albert Perez, Inventory Management Officer

Your approval is greatly appreciated.

Peter Salas.
Peter Salas

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

5

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

1-29-18

MIGUEL C. BORDALLO, P.E. GENERAL MANGER

MCB/vg/ecm

6

EXHIBIT A

GWA IFB 2015-13 WATER METERS VARIOUS SIZES AND ACCESSORIES (ALL OR NOTHING)

ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1.1	Badger Water Meter 5/8"X3/4"	500 EACH	$ 143.55	$ 71,775.00
1.2	Badger Water Meter 1"	10 EACH	$ 226.87	$ 2,268.70
1.3	Badger Water Meter 1-1/2"	10 EACH	$ 361.74	$ 3,617.40
1.4	Badger Water Meter 2"	15 EACH	$ 540.52	$ 8,107.80
1.5	Badger Water Meter 3" Turbo	5 EACH	$ 738.12	$ 3,690.60
1.6	Badger Water Meter 4" Turbo	5 EACH	$ 1,200.92	$ 6,004.60
1.7	Badger Water Meter 6" Turbo	2 EACH	$ 2,202.86	$ 4,405.72
1.8	Badger Water Meter 8" Turbo	1 EACH	$ 3,001.71	$ 3,001.71
1.9	Badger Water Meter 10" Turbo	1 EACH	$ 4,080.77	$ 4,080.77
1.10	Badger Water Meter 3" Compound	5 EACH	$ 1,772.38	$ 8,861.90
1.11	Badger Water Meter 4" Compound	1 EACH	$ 2,789.88	$ 2,789.88
1.12	Badger Water Meter 6" Compound	1 EACH	$ 3,953.04	$ 3,953.04
1.13	2" External Plate Strainer	1 EACH	$ 309.01	$ 309.01
1.14	3" External Plate Strainer	1 EACH	$ 405.65	$ 405.65
1.15	4" Bronze External Plate Strainer	1 EACH	$ 545.33	$ 545.33
1.16	6" Bronze External Plate Strainer	1 EACH	$ 761.12	$ 761.12
1.17	8" External Plate Strainer	1 EACH	$ 2,051.31	$ 2,051.31
1.18	10" External Plate Strainer	1 EACH	$ 4,567.20	$ 4,567.20
1.19	Assembly Elliptical 1-1/2"	1 EACH	$ 144.50	$ 144.50
1.20	Assembly Elliptical 2" Flange Brass	1 EACH	$ 195.50	$ 195.50
1.21	No Register Orion ME	1 EACH	$ 107.30	$ 107.30
1.22	Badger M2000 2"	1 EACH	$ 1,863.00	$ 1,863.00
	Badger M2000 3"	1 EACH	$ 1,964.70	$ 1,964.70
	Badger M2000 4"	1 EACH	$ 2,070.90	$ 2,070.90
	Badger M2000 6"	1 EACH	$ 2,330.10	$ 2,330.10
	Badger M2000 8"	1 EACH	$ 2,640.60	$ 2,640.60
		TOTAL COST		$ 142,513.34

AT THREE YEARS =
$427,540.02

EXHIBIT B

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

FEB 2 3 2018

NOTICE TO PROCEED

Ms. Theresa M. Szafranski
4545 W Brown Deer Road
P.O. Box 245036
Milwaukee, Wisconsin 53224-9536

Telephone: 414-355-0400/800-876-3838

Project No: GWA IFB 2015-13
Project Name: Water Meters Various Sizes and Accessories

Dear Theresa,

You are hereby notified to commence work in accordance with the contract dated **5th** day of **February**. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

Ref: GWA IFB 2015-13 Water Meters Various Sizes and Accessories

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 23rd day of February, 2016.

Contractor: BADGER METER, INC.

Print Name & Title: Theresa M. Szafranski, Assistant Secretary

Signature: Theresa M. Szafranski

EXHIBIT C

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

RESOLUTION NO. 32-FY2017

RELATIVE TO RATIFICATION AND APPROVAL OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH BADGER METER INC. FOR GWA WATER METERS OF VARIOUS SIZES AND ACCESSORIES

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 has advertised by an Invitation for Bid (IFB) 2015-13 soliciting bid proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty Seven Thousand Five Hundred Forty Dollars and Two Cents ($427, 540.02) over a three (3) year contract term, made by Badger Meter Inc. is fair and reasonable, and recommended Badger Meter Inc.be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter Inc. accepted the notice [EXHIBIT B]; and

WHEREAS, GWA Management seeks CCU ratification of procurement related to IFB 2015-13 in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06), for purchases in excess of the General Manager's authorized threshold [EXHIBIT C]; and

WHEREAS, GWA Management seeks CCU approval to purchase additional meters under IFB 2015-13 in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) [EXHIBIT D]; and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Six Hundred Ninety Seven Thousand One Hundred Twenty Dollars and Forty Six Cents ($697,120.46), which is the sum of purchase orders issued totaling Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) plus additional meters requested at a cost of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

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 bid proposal submitted by "Badger Meter Inc." are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.

4. The Indefinite Quantity procurement used for these purchases is in the best interest of the territory of Guam and the Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) (EXHIBIT C) and approves currently planned purchases in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) (EXHIBIT D) and future planned purchases under the Indefinite Quantity procurement up to a cumulative total of One Million Dollars ($1,000,000.00).
6. The CCU authorizes the General Manager to petition the Public Utilities Commission for approval of the IFB 2015-13 in the event GWA anticipates the procurement will exceed the One Million Dollars ($1,000,000.00) threshold 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 23rd day of May 2017.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

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I, J. George Bamba, 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: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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EXHIBIT D

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

Encumbered Purchase Orders Relative to IFB 2015-13

PO No	FY	GL Date	PO Amount	IFB 2015-13
299095	16	2/22/2016	$ 35,205.27	Y
299176	16	3/10/2016	$ 11,659.70	Y
299326	16	3/30/2016	$ 3,001.71	Y
299501	16	5/20/2016	$ 102,727.15	Y
299506	16	5/20/2016	$ 107.30	Y
299508	16	5/20/2016	$ 7,291.20	Y
299769	16	8/12/2016	$ 10,722.58	Y
299861	16	9/1/2016	$ 14,355.00	Y
299963	16	9/26/2016	$ 43,088.30	Y
300089	17	10/24/2016	$ 28,710.00	Y
300312	17	12/14/2016	$ 49,793.35	Y
300343	17	12/20/2016	$ 43,065.00	Y
300515	17	2/7/2017	$ 57,420.00	Y
300583	17	3/8/2017	$ 14,355.00	Y
300610	17	3/23/2017	$ 50,242.50	Y
300836	17	5/24/2017	$ 430,650.00	Y
300861	17	6/1/2017	$ 46,979.70	Y
300941	17	6/16/2017	$ 5,426.10	Y
300942	17	6/16/2017	$ 6,003.42	Y
300943	17	6/16/2017	$ 23,718.24	Y
301561	18	11/20/2017	$ 4,537.40	Y
As of Dec. 27, 2017			**$ 989,058.92**	
301812	18	1/12/2018	$ 14,355.00	Y
301813	18	1/12/2018	$ 10,810.40	Y
			$ 25,165.40	
TOTAL Purchase Orders			**$ 1,014,224.32**	

Additional Meter Purchases

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	10,100	$143.55	**$1,449,855.00**

Meter Inventory Replenishment

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	6,316	$143.55	$906,661.80

1	121	$226.87	$27,360.52
1 1/2	83	$361.74	$29,843.55
2	48	$540.52	$25,782.80
3	23	$738.12	$16,681.51
4	37	$1,200.92	$44,554.13
6	23	$2,202.86	$51,326.64
8	5	$3,001.71	$13,507.70
Inventory Replenishment Total	**6,654**		**$1,115,718.65**
Total Meter Purchases	**16,754**		**$2,565,573.65**

Summary IFB 2015-13 Badger Water Meters

CCU Ratification	$14,224.32	<Excess of $1M
Additional Meter Purchases	$1,449,855.00	Qty of 10,100 3/4 meters at $ 143.55 each.
Meter Inventory Replenishment	$1,115,718.65	Qty of 6,754 Meter Inventory Replenishment Various Sizes
TOTAL AMOUNT	**$2,579,797.97**	

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. 25-FY2018
Relative to the Approval of the Contract with Total Chemicals and JMI Edison for Additional Purchase of Wastewater Treatment Chemicals

What is the project's objective and is it necessary and urgent?
To maintain a 90-day chemical inventory until the end of the existing three (3) year contract. The resolution seeks approval of funding amounts above the original estimated and approved levels due to an increase in actual demand and usage of the chemicals.

Where is the location?
1. Northern Wastewater Treatment Plant
2. Hagatna Wastewater Treatment Plant

How much will it cost?

	Vendor	Cost / lb	Annual	3 Years
ACH	Total Chemical	$1.06	$851,739.68	$2,555,219.04
Anionic	Total Chemical	$1.40	$156,468.20	$469,404.60
			$1,008,207.88	**$3,024,623.64**
Cationic	JMI	$1.45	$200,188.45	$600,565.35
			$1,208,396.33	**$3,625,188.99**

*Three (3) Year Contract End Date: January 20, 2019
*CCU Resolution 12-FY2016, Approved December 10, 2015
* PUC GWA Docket 15-11, Review and Approval of Contracts with Total Chemical Resources, Inc and JMI Edison, Approved January 25, 2016.

	Vendor	Expensed as of Feb 2018	January-19	90 Days Cost	Jan 2019 + 90 Days
ACH	Total Chemical	$2,258,593.94	$124,654.55	$184,591.79	$309,246.34
Anionic	Total Chemical	$605,539.20	$60,906.25	$116,578.96	$177,485.21
		$2,864,133.14	**$185,560.79**	**$301,170.75**	**$486,731.55**

When will it be completed?
If approved, the procurement of adequate chemicals for daily operational requirements and related expenses will be extended to the end of the 3-year contract period in January of 2019.

What is the funding source?
Revenue Funds.

The RFP/BID responses (if applicable):
IFB 2015-10 Wastewater Treatment Chemicals

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

RESOLUTION NO. 25-FY2018

RELATIVE TO APPROVAL OF THE CONTRACT WITH TOTAL CHEMICALS AND JMI-EDISON FOR THE ADDITIONAL PURCHASE OF WASTEWATER CHEMICALS FOR WASTEWATER TREATMENT PLANTS

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 2011 Court Order ("CO") Projects, including construction of system upgrade of the Northern District WWTP to use Chemically Enhanced Primary Treatment as specified in § II A Paragraph 2 of the CO; and

WHEREAS, GWA has completed the system upgrade of the Hagatna WWTP to use Chemical Enhanced Primary Treatment and is now operating it as specified in § II A Paragraph 5 of the CO; and

WHEREAS, the Chemically Enhanced Primary Treatment at the Northern District WWTP and the Hagatna WWTP requires purchase of chemicals for the application of the treatment process; and

WHEREAS, on July 30, 2015 GWA filed a Petition with the Guam Public Utilities Commission ("PUC") for approval to issue a bid for the chemicals for the Northern District and Hagatna wastewater treatment facilities; and GWA Petition was approved by the PUC on August 27, 2015; and

WHEREAS, GWA issued Bid Number 2015-10 to solicit bid proposals from experienced and responsive bidders to provide the chemicals needed to continue to operate the Northern District WWTP and the Hagatna WWTP in compliance with the Court Order; and

WHEREAS, there were two responsive and responsible bidders who offered chemicals meeting requirements in IFB 2015-10 (see Exhibit A); and

WHEREAS, the IFB 2015-10 offers were evaluated by GWA's review committee and GWA's review committee determined that the best offer for Anionic Polymer and Inorganic Coagulant ("ACH") (for sludge dewatering) was made by Total Chemical Resources, Inc; (see Exhibit B); and

WHEREAS, GWA's review committee also determined that the best offer for Cationic Polymer was made by JMI-Edison (See Exhibit C); and

WHEREAS,GWA accepted Total Chemical Resources, Inc.'s bid proposal (see Exhibit D) of $1.40/lb. for Anionic Polymer at an estimated annual cost of One Hundred Fifty Six Thousand Four Hundred Sixty Eight Dollars and Twenty Cents ($156,468.20), and for a three (3) year contract in the amount of Four Hundred Sixty Nine Thousand Four Hundred Four Dollars and Sixty Cents ($469,404.60) and for Inorganic Coagulant (ACH) at $1.06/lb. for an estimated annual cost of Eight Hundred Fifty One Thousand Seven Hundred Thirty Nine Dollars and Sixty-Eight Cents ($851,739.68), for a three (3) year contract in the amount of Two Million Five Hundred Fifty Five Thousand Two Hundred Nineteen Dollars and Forty Cents ($2,555,219.04), with a Grand Total to supply both Anionic Polymer and Inorganic Coagulant (ACH) for the Northern District WWTP and Hagatna WWTP is Three Million Twenty Four Thousand Six Hundred Twenty Three Dollars and Sixty-Four Cents ($3,024,623.64) as specified in IFB 2015-10; and

WHEREAS, GWA accepted JMI-Edison's bid proposal (Exhibit E) of $1.45/lb. for Cationic Polymer for an estimated annual cost of Two Hundred Thousand One Hundred Eighty Eight Dollars and Forty-Five Cents ($200,188.45), and for a three (3) year contract for a total amount of Six Hundred Thousand Five Hundred Sixty Five Dollars and Thirty-Five Cents

($600,565.35) to supply Cationic Polymer for the Northern District WWTP, Hagatna WWTP and Agat-Sta Rita WWTP for three (3) years as specified in GWA IFB 2015-10; and

WHEREAS, CCU approved the three (3) year contract with Total Chemical Resources in the amount of Three Million Twenty-Four Thousand Six Hundred Twenty-Three Dollars and Sixty-Four Cents ($3,024,623.64) for the chemicals Anionic Polymer and Inorganic Coagulant (ACH); and

WHEREAS, CCU approved the three (3) year contract with JMI-Edison in the amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the chemical Cationic Polymer; and

WHEREAS, the total amount expensed as of February 2018 is Two Million Eight Hundred Sixty-Four Thousand One Hundred Thirty-Three Dollars and Fourteen Cents ($2,864,133.14) for Anionic Polymer and Inorganic Coagulant and Three Hundred Sixty-Five Thousand Four Hundred Dollars ($365,400.00) for Cationic Polymer; and

WHEREAS, the amount required to purchase until the end of the contract for Anionic Polymer and Inorganic Coagulant, is One Hundred Eighty-Five Thousand Five Hundred Sixty Dollars and Eighty Cents ($185,560.80); and an additional amount of Three Hundred One Thousand One Hundred Seventy Dollars and Seventy-Five Cents ($301,170.75) for a 90-day chemical inventory which sums up to Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55). The new total amount for the three (3) year contract with Total Chemical will now be ~~Three Million Six Hundred Twenty-Five Thousand One Hundred Eighty-Eight and 08/100~~ Three Million Five Hundred Eleven Thousand Three Hundred Fifty-Five Dollars and Nineteen Cents ($3,511,355.19); and

WHEREAS, the original approved amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the three (3) year contract with JMI is sufficient until the end of the contract period; and

WHEREAS, GWA seeks approval for an additional purchase of wastewater treatment chemicals Anionic Polymer and Inorganic Coagulant (ACH) in the total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55); and

WHEREAS, the source of funding for the additional chemical purchases will be FY2018 and FY2019 Wastewater Operations Budget; 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 to purchase additional Anionic Polymer in the amount of One Hundred Thousand Seventy-Seven Four Hundred Eighty-Five Dollars and Twenty-One Cents ($177,485.21) and Inorganic Coagulant (ACH) in the amount of Three Hundred Nine Thousand Two Hundred Forty-Six Dollars and Thirty-Four Cents ($309,246.34) with a total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55) with Total Chemical Resources.
3. GWA Management is hereby authorized to seek PUC approval as required by Docket No. 00-04.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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

GUAM WATERWORKS AUTHORITY

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

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-10
Ref: Wastewater Treatment Chemicals

Invitation for Bid No: GWA 2015-10 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on September 24, 2015 and open as scheduled on October 15, 2015 @ 10:00am twenty (20) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Total Chemical Resources, Inc.
2. Canton Construction Corp.
3. DSGDSFG
4. HDR
5. JMI-Edison
6. Island Equipment Co.
7. M.D. Wholesale
8. Bei Hawaii
9. Carus Corp.
10. Monhar Construction.
11. VMB Trading Co.
12. Sai Machinery LLC.
13. Culligan Pacific
14. Student Construction
15. Guam Pacific Enterprise.
16. America's Best Electricmart
17. Gulbrandsen Technologies
18. SS
19. D. Mullis Insurance
20. Polydyne Inc.

Of the twenty (20) only two (2) submitted their bid package namely:

- Total Chemical Resource
- JMI-Edison

An evaluation committee was formally assembled and met on October 22, 2015 @ 11:00am in GPWA conference room 1st floor to review/discuss and evaluate the bid.

REF: IFB 2015-10 Wastewater Treatment Chemicals

Committee members consist of:

- Antonio Camacho
- Paul Kemp
- Dan Aguon
- Dave Fletcher

The committee members reviewed the bid proposals and have determined both prospective bidders Total Chemical and JMI-Edison respectfully submitted a reasonable and fair cost and is awarded based on the lowest annual cost as specified in the IFB, as follows:

Total Chemical to be awarded as follows:

Item No. 1: Inorganic Coagulant,
Price per pound delivered CIF: **$1.06**
Product Label Name: **Achieve D1012 ACH Powder**

$1.06 X 803,528. =$851,739.68 (Annual Cost)

Item No. 2: Coagulant Aid (e. g. anionic polymer)
Price per pound delivered CIF: **$1.40**
Product Label Name: Nalclear 7767 Anionic Flocculant

$1.40 x 111,763= $156,468.20 (Annual Cost)

JMI Edison to be awarded as follows:

Item No. 3: Cationic Polymer
Price per pound delivered CIF: **$1.45**
Product Label Name: **Hydrex 6402 Cationic Emulsion Polymers**

$1.45 x 138,061 = $200,188.45 (Annual Cost)

After a thorough evaluation the committee members agreed to and accept the submitted bid offers from both Total Chemical Resources and JMI Edison and have been determined they respectfully complied with all specifications and requirements set forth in this IFB. In closing, the committee members respectfully request your approval to proceed with the award.

Bid Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. **The quantities reflected in the bid are estimated requirements only and not guaranteed minimums.**

REF: IFB 2015-10 Wastewater Treatment Chemicals

Delivery:

The vendor will be responsible for all cost and all risks associated with the provision of these goods until delivery is made and the items are formally accepted by GWA. All goods shall be delivered in its manufacturer's original factory sealed containers to Guam Waterworks Authority Northern District Wastewater Treatment Plant and Hagatna Wastewater Treatment Plants. Delivery time is 60 days from the date on the Notice to Proceed.

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 and which shall in all cases incorporate the terms of this bid whether stated on the Purchase Order or not, which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is for three (3) years fixed price term with option to renew for additional two (2) one (1) year term, all prices shall be fixed for the initial one (1) year term. All purchases are subject to availability of funds.

Concurred and accepted by the committee members:

Paul Kemp, Assistant General Manager Compliance & Safety

Dan Aguon, Wastewater Plant Superintendent

Dave Fletcher, Operations and Maintenance Manager

Antonio Camacho, Buyer II Procurement

Your approval is greatly appreciated.

Peter Salas

3

REF: IFB 2015-10 Wastewater Treatment Chemicals

Note: Fund Certification form reviewed, signed and approved dated on Sept 10, 2015
GL Account Number: 7003.71802.430 (Estimated cost: $1,534,307.00 - Pending approval of FY 2016 budget.)

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

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

10/2/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

4

GUAM WATERWORKS AUTHORITY

Guam Waterworks Authority
P. O. Box 3010
Hagatna, Guam, 96932
BID ABSTRACT

IFB GWA 2015-10
FOR: WW TREATMENT CHEM.
OPENING DATE: OCT. 15, 2015
OPENING TIME: 10:00 AM

BIDDERS	ITEM #	VENDOR 1	VENDOR 2	VENDOR 3	VENDOR 4
Vendor #1 JMI EDISON		JMI EDISON	TOTAL CHEMICAL RESOURCES	NO BID SUBMITTAL	NO BID SUBMITTAL
Bid Guarantee: [ ]Cashier's Check or Certified Check $ [ ]Letter of Credit $ _____ [ ]Bid/Performance Bond 15% [ ]Surety Bond: Current Cert. of Auth."Power of Attorney" [ ]Non-Collusion Affidavit [ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literatures [ ]Affidavit of Disclosure of Major Shareholders/Exp: [ ]Certification of Non-Employment of Convicted Sexual Offenders [ ]CD Provided REMARKS:	1.0	DESCRIPTION / PRODUCT INORGANIC COAGULANT / ALUMINUM CHLORHYDRATE	DESCRIPTION / PRODUCT INORGANIC COAGULANT ACH POWDER (ACHIEVE D1812)	DESCRIPTION / PRODUCT INORGANIC COAGULANT /	DESCRIPTION / PRODUCT INORGANIC COAGULANT /
		PRICE PER POUND DELIVERED CIF: $ 1.43 PER POUND TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.06 PER POUND TIME OF FIRST DELIVERY: 90 DAYS	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:
		MANUFACTURING ON: SUMMIT RESEARCH LABS	MANUFACTURING ON: GEORGIA TECHNOLOGIES	MANUFACTURING ON:	MANUFACTURING ON:
		BRAND: SUMALCHLOR 200	BRAND: ACHIEVE D1812 ACH POWDER	BRAND:	BRAND:
		PLACE OF ORIGIN: U.S.A. DATE OF DELIVERY:	PLACE OF ORIGIN: CHARLESTON, TENNESSEE, USA DATE OF DELIVERY:	PLACE OF ORIGIN: DATE OF DELIVERY:	PLACE OF ORIGIN: DATE OF DELIVERY:
Vendor #2 TOTAL CHEMICAL RESOURCES	2.0	DESCRIPTION / PRODUCT COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT COAGULANT AID (e.g. anionic polymer)
Bid Guarantee: [ ]Cashier's Check or Certified Check $ [ ]Letter of Credit $ _____ [ ]Bid/Performance Bond 15% [ ]Surety Bond: Current Cert. of Auth."Power of Attorney" [ ]Non-Collusion Affidavit [ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literatures [ ]Affidavit of Disclosure of Major Shareholders/Exp: [ ]Certification of Non-Employment of Convicted Sexual Offenders [ ]CD Provided REMARKS:		PRICE PER POUND DELIVERED CIF: $ 1.29 PER POUND TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.40 PER POUND TIME OF FIRST DELIVERY: 45 DAYS	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:
		MANUFACTURING ON: MANUFACTURING ON: Veolia Water Technologies BRAND: Hydrex 6184 Anionic Polymers PLACE OF ORIGIN: KOREA DATE OF DELIVERY:	MANUFACTURING ON: MALCO AR ECOLAB MANUFACTURING ON: MALCO AR ECOLAB BRAND: PLACE OF ORIGIN: HAVERVILLE, MASSACHUSETTS, USA DATE OF DELIVERY: 30 DAYS	MANUFACTURING ON: MANUFACTURING ON: BRAND: PLACE OF ORIGIN: DATE OF DELIVERY:	MANUFACTURING ON: MANUFACTURING ON: BRAND: PLACE OF ORIGIN: DATE OF DELIVERY:
Vendor #3 NO BID SUBMITTAL	3.0	DESCRIPTION / PRODUCT CATIONIC POLYMER	DESCRIPTION / PRODUCT CATIONIC POLYMER	DESCRIPTION / PRODUCT CATIONIC POLYMER	DESCRIPTION / PRODUCT CATIONIC POLYMER
Bid Guarantee: [ ]Cashier's Check or Certified Check $ [ ]Letter of Credit $ _____ [ ]Bid/Performance Bond 15 % [ ]Surety Bond: Current Cert. of Auth."Power of Attorney" [ ]Non-Collusion Affidavit [ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literatures [ ]Affidavit of Disclosure of Major Shareholders/Exp: [ ]Certification of Non-Employment of Convicted Sexual Offenders [ ]CD Provided REMARKS:		PRICE PER POUND DELIVERED CIF: $ 1.45 PER POUND TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.35 PER POUND TIME OF FIRST DELIVERY: 45 DAYS	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF: TIME OF FIRST DELIVERY:
		MANUFACTURING ON: MANUFACTURING ON: Veolia Water Technologies BRAND: Hydrex 6184 Anionic Polymers PLACE OF ORIGIN: KOREA DATE OF DELIVERY: AS PER GWA REQUIREMENTS	MANUFACTURING ON: MANUFACTURING ON: MALCO AR ECOLAB COMPANY BRAND: HYDREX 7184 CATIONIC PLACE OF ORIGIN: HAVERVILLE, MASSACHUSETTS, USA DATE OF DELIVERY: 30 DAYS	MANUFACTURING ON: MANUFACTURING ON: BRAND: PLACE OF ORIGIN: DATE OF DELIVERY:	MANUFACTURING ON: MANUFACTURING ON: BRAND: PLACE OF ORIGIN: DATE OF DELIVERY:

Tabulated By: _____ Date: 10/15/15

Bids Recommended for Award:
[ ] Lowest Responsive Bidder
[ ] Tie Bid
[ ] Only Bid
[ ] Other Than Lowest Responsive Bidder

TOTAL CHEMICAL

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.06 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

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10/14/15
Jerry A. Flores Date
Chief Financial Officer
Total Chemical Resources, Inc.

JMI EDISON

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

GUAM WATERWORKS AUTHORITY

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

PRIORITY

GWA FINANCE & ACCOUNTING ADMINISTRATIVE OFFICE
RECEIVED BY:
SEP 03 2015
BY:

9/4/15
2:42 pm

REVIEW FORM

This **IFB 2015-10 / Wastewater Treatment Chemicals** will be acquired by means of competitive bid process through GWA Procurement Office. Below are the following divisions who concurred and agree to proceed.

Requested by: _____ Print/sign Date: 09/03/2015

Concurred By:

Supply Management Admin: _____ Print/sign Date: 9/3/15

Review by Budget: GREG CRUZ Print/sign Date: 9.14.15

Pending approval of FY 2016 Budget

7003.71802.430

GUAM WATERWORKS AUTHORITY
BUDGET OFFICE
BUDGET OFFICER

Estimated cost: $ FY16 - 1,534,307.00

DATE 9/10/15 TIME _____

FY 2015 Budget - No Balance
FY 2016 Budget - Approval Pending
Proposed Paid for FY16 Only

EXHIBIT B

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Glen Canovas
Total Chemical Resources Inc.
P.O. Box 20730
Barrigada, Guam 96921
Tel. No: 646-4742
Fax No: 649-0447

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by Total Chemicals Resource for the above described reference in response to its Advertisement for Bids dated September 24, 2015 and you are hereby notified that the bid cost for Item No. 1: Inorganic Coagulant and Item No. 2: Coagulant Aid (Anionic Polymer) 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.

/

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

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB 2015-10 is hereby acknowledged

By: _____ Title: JERRY A. FLORES - C.F.O.
Signature (please print)

Dated this 3rd day of NOVEMBER, 2015.

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

EXHIBIT C

02 12 19p m 11-03-2015 2 6716493750

6716493750 GWA Procurement Supply 02:03:20 p.m. 11-03-2015 2/3

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Jeff Pacsto
JMI-Edison
125 North Marine Corps. Dr.
Tamuning, Guam 96913
Tel No: 646-6400
Fax No: 649-4835

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

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 September 24, 2015 and you are hereby notified that the bid cost for Item No.3 Cationic Polymer 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.

/

02:12:19 p.m. 11-03-2015 3 6716493750

6716493750 GWA Procurement Supply 02:04:06 p.m. 11-03-2015 3/3

Ref: IFB 2015-10 Wastewater Chemicals

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

Sincerely,

Mark Miller
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB.2015-10 is hereby acknowledged

By: _____ Title: Operations Manager
Signature (please print)

Dated this 3rd day of November, 2015.

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

EXHIBIT D

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.08 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A.

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

10/14/15
Jerry A. Flores — Date
Chief Financial Officer
Total Chemical Resources, Inc.

EXHIBIT E

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND
DELIVERED WITH TECHNICAL PROPOSAL)

1. Inorganic Coagulant,

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. Cationic Polymer **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

15

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

March 27, 2018

Commissioners
Consolidated Commission on Utilities

RE: Written Recommendation to Discuss GPA/GWA Legal Matters in Executive Session for Guam Power Authority's and Guam Waterworks Authority Regular Board Meeting on March 27, 2018.

Dear Commissioners,

As the general counsel for Guam Power Authority (GPA), I hereby recommend pursuant to 5 G.C.A. § 8111, that the Commissioner discuss the following matters in Executive Session during the March 27, 2018, Regular Board Meeting for GPA and GWA:

1. Personnel Matters
2. Any other matter that legal counsel for GPA or GWA may verbally recommend that the Commission hear during the above-described meeting.

Pursuant to 5 G.C.A. § 8111, the Commission must make an affirmative vote of a majority of the members of the Commission to discuss these matters in Executive Session. Please contact me if you have any questions.

Sincerely,

D Graham Botha, ESQ.
General Counsel

GUAM WATERWORKS AUTHORITY
ATURIDAT KINALAMTEN HANOM GUAHAN
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6853 Fax No. (671) 648-3290

AFFIDAVIT OF KELLY O. CLARK, ESQ.

1. I am over the age of eighteen (18) years and have no disability that would prevent me from rendering testimony;

2. I make this affidavit based on my own personal knowledge of the events and facts stated herein;

3. I attended the regular board meeting of the Guam Waterworks Authority (GWA) on March 27, 2018 and acted as legal counsel for GWA during said board meeting;

4. Based on my oral and written recommendation, and after an affirmative vote of all the members of the Consolidated Commission on Utilities at said board meeting, an executive session was held wherein the following matters were discussed in my presence:

    1. a GWA personnel matter.

5. Affiant further sayeth naught.

Respectfully filed with the Guam Waterworks Authority Board Secretary for the Consolidated Commission on Utilities on this March 27th, 2018.

Respectfully,

Kelly O. Clark
GWA General Counsel

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

RESOLUTION NO. 2018-06

RELATIVE TO PETITION THE PUBLIC UTILITIES COMMISSION FOR AUTHORIZATION TO BEGIN PROCUREMENT FOR PROPERTY INSURANCE

WHEREAS, the Consolidated Commission on Utilities has determined that is a prudent and reasonable business practices to maintain insurance coverage on GPA's assets to the extent practical; and

WHEREAS, the Guam Power Authority's bond indenture agreement requires GPA to "secure and maintain property insurance on all facilities constituting the System against risks of loss or damage…to the extent that such insurance is obtainable at reasonable cost"; and

WHEREAS, the indenture further requires GPA to carry insurance "of a scope and nature as that usually carried in the industry"; and

WHEREAS, GPA's property insurance policy including boiler and machinery coverage is expiring on November 1, 2018 and a re-bidding of the policies is required under Guam procurement regulations; and

WHEREAS, the contract review protocol established by the Public Utilities Commission requires that all contracts in excess of $1.5 million be authorized by the PUC in advance of the procurement;

WHEREAS, GPA's current property insurance costs exceed $6.4 million and this procurement will exceed the PUC contract review threshold; and

WHEREAS, GPA desires to issue its insurance bid as soon as possible in order to allow sufficient time for insurance vendors to prepare their bids; and

WHEREAS, GPA has submitted its draft invitation for bids to the Consolidated Commission on Utilities for review and authorization to forward to the PUC; and

NOW THEREFORE, BE IT RESOLVED BY THE CONSOLIDATED COMMISSION ON UTILITIES, AS THE GOVERNING BODY OF THE GUAM POWER AUTHORITY, AS FOLLOWS:

1. After careful review and scrutiny of the GPA draft Invitation for Bids for property insurance coverage to include boiler and machinery coverage, the Consolidated Commission on Utilities has determined that property insurance costs are a prudent expense and the GPA General Manager is authorized to submit the bid document to the Public Utilities Commission for their approval in accordance with the contract review protocol.

2. Final approval from the Consolidated Commission on Utilities is required before a property insurance contract is executed.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 27TH DAY OF MARCH, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

J. GEORGE BAMBA
Secretary
Consolidated Commission on Utilities

SECRETARY'S CERTIFICATE

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

The foregoing is a full, true and correct copy of the resolution duly adopted at a regular meeting by the members of the Guam CCU, 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



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

RESOLUTION NO. 2018-07

RELATIVE TO AUTHORIZATION OF PITI 8&9 CONTRACT EXTENSION

WHEREAS, in 1996 under an Energy Conversion Agreement (ECA), GPA contracted an Independent Power Producer for a Build, Operate and Transfer (BOT) project to construct Piti 8 & 9 Power Plant, perform twenty-years of Operation and Maintenance (O&M), and transfer ownership of the plant to GPA at the end of the contract term; and

WHEREAS, Marianas Energy Company currently manages and operates the plant under the ECA which will expire in January 2019; and

WHEREAS, the Piti 8 & 9 Power Plant contains two slow speed diesel units providing 88 MW of production capacity which is 42% of GPA's total baseload capacity; and

WHEREAS, GPA does not have the staff to manage, operate, and maintain the Piti 8 & 9 Power Plant upon the transfer date of January 2019; and

WHEREAS, GPA proposes a private-public partnership to maintain high efficiency and reliability necessary to support the Island Wide Power System (IWPS); and

WHEREAS, GPA intended to solicit for a new IPP contract but was only recently able to complete a site inspection of the plant performed by specialists in slow speed technology that identifies necessary life extension, safety, and environmental projects required for optimum plant operation; and

WHEREAS, the delay in this task prevented timely completion of the bid documents and may impact the transition to a new IPP contract prior to the ECA expiration date; and

WHEREAS, GPA continues to experience delays in contract awards due to procurement protests which may impact the transition schedule; and

WHEREAS, without a contract extension, MEC will not continue to manage and operate the power plant beyond January 2019; and

WHEREAS, land-based slow speed diesel plants are unique, and there may be challenges in seeking or retaining employees having specialized skills in the operation and maintenance of these units; and

WHEREAS, the continued reliability of the MEC power plant is crucial to the IWPS especially since the loss of the Cabras 3&4 Power Plant and the aged condition of the Cabras 1&2 Power Plant; and

WHEREAS, prior to operation of the New Power Plant, an outage of both Piti 8 & 9 is estimated to cost customers an additional $221,658 in fuel expenses per day assuming a system peak of 277 MW, all other units available, a $60/bbl RFO cost, and an $80/bbl ULSD cost; and

WHEREAS, sustained outages of Piti 8 & 9 will result in increased use of the Cabras 1&2 power plant and less efficient Combustion Turbine Power Plants; and

WHEREAS, with the recommended capital investments and planned conversion from RFO to ULSD fuel, GPA will benefit if the plant is managed by the firm that has an established relationship with OEMs and key suppliers; and

WHEREAS, an extended period of cross-training and transitioning prior to expiration of the ECA and before a new IPP contract commences will ensure the plant will continue to be operated and maintained by qualified personnel; and

WHEREAS, GPA and MEC have mutually agreed to negotiate a 5-year extension of the contract starting in January 2019 pursuant to Article 32 of the ECA as indicated in the attached Exhibit, "MEC Contract Extension Agreement"; and

WHEREAS, approval is requested to allow the General Manager to negotiate an extension to the ECA with MEC for an additional 5 years, and to petition the PUC for approval to negotiate the contract extension.

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

1. The CCU authorizes GPA to negotiate an extension of the Energy Conversion Agreement for management, operations, and maintenance of Piti 8 & 9 power plant with Marianas Energy

Company with the following contract parameters as laid out in the attached Exhibit, "MEC Contract Extension Agreement":

a. Term: 5 years
b. Fees:
    i. Annual Fixed Recapitalization Fee of $7,067,000 for $35,334,000 of priority projects needed to ensure plant reliability, and the fuel conversion to ultra-low sulfur diesel to comply with USEPA regulations.
    ii. Fixed O&M Fee = $6.3720/kW per month estimated at $10,085 million annually
    iii. Variable O&M Fee = $0.0024/kWh estimated at $2,245 million annually
c. Performance Guarantees
    i. Heat Rate – 7,720 BTU/KWH (HHV)
    ii. Availability – 90%
d. Other requirements
    i. Annual Performance Test (Heat Rate)
    ii. ULSD Fuel Conversion

2. The General Manager is authorized to petition the PUC for approval of the extension.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 27th DAY OF MARCH 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

J. GEORGE BAMBA
Secretary
Consolidated Commission on Utilities

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

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

Ayes: 5

Nays: 0

Absent: 0

Abstain: 0



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

GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 21–FY2018

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 Power Authority and the Guam Waterworks Authority; and

WHEREAS, the Guam Power Authority ("GPA") and the Guam Waterworks Authority ("GWA") are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the CCU has directed GPA and GWA to review the existing reporting requirements of the Officers of the Authorities along with the manner and frequency of evaluating the performance of the individual in each position; and

WHEREAS, GPA and GWA drafted a new unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") to memorialize the responsibilities of the CCU and the General Managers with respect to assessing the performance of the executive officer team for each utility with the intent of establishing and documenting the performance goals and objectives for the officer team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed; and

WHEREAS, the CCU has solicited comments from GPA & GWA General Managers and General Counsels regarding the proposed EXECUTIVE OFFICER EVALUATION POLICY; and

WHEREAS, management of GPA and GWA request the CCU to adopt the proposed unified EXECUTIVE OFFICER EVALUATION POLICY.

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

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

1. The unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") for GPA and GWA is hereby adopted to include the General Managers, Chief Financial Officers and General Counsels of GPA and GWA.
2. This policy shall be effective for the Guam Power Authority, Guam Waterworks Authority and the Consolidated Commission on Utilities on April 1, 2018.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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

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

EXECUTIVE OFFICER EVALUATION POLICY

Section 1. AUTHORITY

In accordance with 12 GCA §79101, the Consolidated Commission on Utilities (CCU) hereby adopts the following Policy on Personnel Performance Evaluations, to assist in the conduct of its affairs.

Section 2. PREAMBLE

The CCU is tasked under law with the responsibility of recruitment, management and direction of the executive management positions for both the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA), specifically the General Managers, Chief Financial Officers, and General Counsels for the respective utilities.

The CCU desires to proactively and regularly assess the performance of the executive management team for each utility with the intent of establishing and documenting the performance goals and objectives for the management team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed.

The CCU formally defines the roles of the executive management team of each utility as follows:

General Manager - Leads the executive management team and is responsible for the overall performance of the utility with the responsibilities defined in and in accordance with the provisions of the law.

Chief Financial Officer – Works with the General Counsel in support of the General Manager and is responsible for the financial performance of the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

General Counsel – Works with the Chief Financial Officer in support of the General Manager and is responsible for all legal matters for the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

EXHIBIT A

To this end, the CCU intends to formalize and document the manner in which personnel performance evaluations are conducted through a formal policy which will clarify the intent of this activity and set the general guidelines by which the activity is to be conducted.

Section 3. STATEMENT OF POLICY

It is the policy of the CCU to conduct individual performance evaluations for each member of the executive management team of both the GPA and GWA at a minimum of once per annum in accordance with the following guidelines.

Section 4. GENERAL GUIDELINES

(a) The CCU shall conduct performance evaluations for the following positions on at least an annual basis:

1. GPA General Manager
2. GPA Chief Financial Officer
3. GPA General Counsel
4. GWA General Manager
5. GWA Chief Financial Officer
6. GWA General Counsel

(b) The Chairperson shall call for the performance evaluation of each of the above employees at a schedule convenient for the Commission.

(c) All Commissioners shall participate in the performance evaluation and provide their input and feedback to the Chairperson.

(d) The CCU shall set the performance criteria to be used in the evaluation and discuss the same with each employee upon hiring or within the first quarter following the date of hire. In the case of employees in the above positions prior to the adoption of this policy, the CCU shall discuss the performance criteria at the first performance evaluation subsequent to adoption of the policy.

(e) The CCU may adopt any forms or formats for the documentation of the performance evaluation, and may, from time to time, revise the forms or formats as needed to meet the intent of this policy.

(f) The CCU shall solicit evaluations from each General Manager, as leader of the executive management team, which may be made part of the CCU's performance criteria used in each evaluation conducted on the Chief Financial Officer and General Counsel.

(g) The CCU shall meet with each employee listed above individually to discuss the results of the performance evaluation and to set, review and/or revise the performance goals and objectives for the next performance period.

(h) In accordance with Section 3, paragraph (g) of the CCU Code of Ethics, such performance evaluations shall be performed in a closed executive session in accordance with Guam Law.

Section 5. DISSEMINATION

A copy of this policy shall be delivered to each and every new member of the CCU no later than two weeks after such new member takes office.

Section 6. EFFECTIVE DATE

This Policy shall take effect upon approval by and affirmative vote of the majority of the Commissioners of the CCU.

SO, APPROVED this 27th day of March, 2018.

JOSEPH T. DUENAS
Chairman

FRANCIS E. SANTOS
Vice-Chairman

J. GEORGE BAMBA
Secretary

SIMON A. SANCHEZ, II
Commissioner

DR. JUDITH P. GUTHERTZ, P.A.
Treasurer

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

GPA RESOLUTION NO. 2018-08
GWA RESOLUTION NO. 21–FY2018

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 Power Authority and the Guam Waterworks Authority; and

WHEREAS, the Guam Power Authority ("GPA") and the Guam Waterworks Authority ("GWA") are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the CCU has directed GPA and GWA to review the existing reporting requirements of the Officers of the Authorities along with the manner and frequency of evaluating the performance of the individual in each position; and

WHEREAS, GPA and GWA drafted a new unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") to memorialize the responsibilities of the CCU and the General Managers with respect to assessing the performance of the executive officer team for each utility with the intent of establishing and documenting the performance goals and objectives for the officer team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed; and

WHEREAS, the CCU has solicited comments from GPA & GWA General Managers and General Counsels regarding the proposed EXECUTIVE OFFICER EVALUATION POLICY; and

WHEREAS, management of GPA and GWA request the CCU to adopt the proposed unified EXECUTIVE OFFICER EVALUATION POLICY.

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

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

1. The unified EXECUTIVE OFFICER EVALUATION POLICY (Exhibit "A") for GPA and GWA is hereby adopted to include the General Managers, Chief Financial Officers and General Counsels of GPA and GWA.
2. This policy shall be effective for the Guam Power Authority, Guam Waterworks Authority and the Consolidated Commission on Utilities on April 1, 2018.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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

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

EXECUTIVE OFFICER EVALUATION POLICY

Section 1. AUTHORITY

In accordance with 12 GCA §79101, the Consolidated Commission on Utilities (CCU) hereby adopts the following Policy on Personnel Performance Evaluations, to assist in the conduct of its affairs.

Section 2. PREAMBLE

The CCU is tasked under law with the responsibility of recruitment, management and direction of the executive management positions for both the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA), specifically the General Managers, Chief Financial Officers, and General Counsels for the respective utilities.

The CCU desires to proactively and regularly assess the performance of the executive management team for each utility with the intent of establishing and documenting the performance goals and objectives for the management team, assessing the performance against appropriate and measurable criteria, and recommending measures for improvement where and if needed.

The CCU formally defines the roles of the executive management team of each utility as follows:

General Manager - Leads the executive management team and is responsible for the overall performance of the utility with the responsibilities defined in and in accordance with the provisions of the law.

Chief Financial Officer – Works with the General Counsel in support of the General Manager and is responsible for the financial performance of the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

General Counsel – Works with the Chief Financial Officer in support of the General Manager and is responsible for all legal matters for the utility with the responsibilities defined in 12 GCA Chapter 8 (GPA) and 12 GCA Chapter 14 (GWA) and in accordance with the provisions of the laws of Guam.

EXHIBIT A

To this end, the CCU intends to formalize and document the manner in which personnel performance evaluations are conducted through a formal policy which will clarify the intent of this activity and set the general guidelines by which the activity is to be conducted.

Section 3. STATEMENT OF POLICY

It is the policy of the CCU to conduct individual performance evaluations for each member of the executive management team of both the GPA and GWA at a minimum of once per annum in accordance with the following guidelines.

Section 4. GENERAL GUIDELINES

(a) The CCU shall conduct performance evaluations for the following positions on at least an annual basis:

1. GPA General Manager
2. GPA Chief Financial Officer
3. GPA General Counsel
4. GWA General Manager
5. GWA Chief Financial Officer
6. GWA General Counsel

(b) The Chairperson shall call for the performance evaluation of each of the above employees at a schedule convenient for the Commission.

(c) All Commissioners shall participate in the performance evaluation and provide their input and feedback to the Chairperson.

(d) The CCU shall set the performance criteria to be used in the evaluation and discuss the same with each employee upon hiring or within the first quarter following the date of hire. In the case of employees in the above positions prior to the adoption of this policy, the CCU shall discuss the performance criteria at the first performance evaluation subsequent to adoption of the policy.

(e) The CCU may adopt any forms or formats for the documentation of the performance evaluation, and may, from time to time, revise the forms or formats as needed to meet the intent of this policy.

(f) The CCU shall solicit evaluations from each General Manager, as leader of the executive management team, which may be made part of the CCU's performance criteria used in each evaluation conducted on the Chief Financial Officer and General Counsel.

(g) The CCU shall meet with each employee listed above individually to discuss the results of the performance evaluation and to set, review and/or revise the performance goals and objectives for the next performance period.

(h) In accordance with Section 3, paragraph (g) of the CCU Code of Ethics, such performance evaluations shall be performed in a closed executive session in accordance with Guam Law.

Section 5. DISSEMINATION

A copy of this policy shall be delivered to each and every new member of the CCU no later than two weeks after such new member takes office.

Section 6. EFFECTIVE DATE

This Policy shall take effect upon approval by and affirmative vote of the majority of the Commissioners of the CCU.

SO, APPROVED this 27th day of March, 2018.

JOSEPH T. DUENAS
Chairman

FRANCIS E. SANTOS
Vice-Chairman

J. GEORGE BAMBA
Secretary

SIMON A. SANCHEZ, II
Commissioner

DR. JUDITH P. GUTHERTZ, P.A.
Treasurer

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-FY2018

RELATIVE TO THE APPROVAL OF THE AMENDMENT OF THE ASSISTANT GENERAL MANAGER ADMINISTRATION & SUPPORT (UNCLASSIFIED) JOB CLASSIFICATION STANDARD

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, the GWA General Manager requests the CCU to approve the amendment of the Assistant General Manager Administration & Support classification standard (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Assistant General Manager Administration & Support position in the unclassified status; and

WHEREAS, Public Law 28-112 and 4 GCA §6303 (d) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The amendment of the job classification standard for the Assistant General Manager Administration & Support position in the unclassified status is hereby approved and attached herein as Attachment A.
3. The Assistant General Manager Administration & Support position is hereby added to the certified, technical and professional list of positions at GWA.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, **J. George Bamba**, 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."
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Tel: 671.300.6846-48, Fax 671.648.3290

ASSISTANT GENERAL MANAGER OF ADMINISTRATION & SUPPORT (AGMA&S)
(Unclassified)

MINIMUM QUALIFICATIONS

A. Master's Degree in Business Management, Business Administration, Public Administration or other related field; with major course work in utility infrastructure and operations, organization and customer service, analysis and evaluation, and financial management, plus 6 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, construction or technically related field; **OR**

B. Bachelor's Degree in Business Management, Business Administration, Public Administration or other related field with a minimum of 10 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, customer service, construction or technically related field;

NATURE OF WORK IN THIS CLASS:

- This is complex work involving the planning, organizing, staffing, directing and coordinating of all the Authority's administrative, technical and logistical support services, including customer service, procurement, warehouse and supply, equipment and vehicle fleet, information and data systems, and staffing resources to ensure the success of utility operations, customer care, compliance & safety, and finance & accounting functions.

- The AGMA&S shall report to and is accountable to the Guam Waterworks Authority's General Manager for the provisions of customer service and technical support, fleet and staffing support services to the rest of the Authority in an efficient manner, to enable successful operation of the utility.

- The AGMA&S is also responsible and accountable for managing and organizing efficient business practices in the divisions assigned.

- The AGMA&S shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

- The AGMA&S directs and manages the development of short-term and long-term goals and objectives of GWA and ensures their effective execution and all assigned administrative and support functions are sustainable; and effectively serves the needs of GWA's ratepayers while complying with applicable laws and regulations; and performs related duties as assigned.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned)

- To manage, coordinate, and report on designated administrative and support divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

- The AGMA&S shall plan, organize, staff, and direct the operation of the Authority's administrative and support divisions, including the setting of objectives, standards, training of employees and evaluation of staff and divisional performances.

- The AGMA&S shall assure compliance with the minimum Levels of Service (LOS) established by the Authority in the operation of the administrative and support divisions, and shall work with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, achieve utility wide LOS compliance at the lowest possible cost.

- The AGMA&S shall analyze the administrative and support functions for performance, costs and effectiveness, and develop strategies and recommendations to increase efficiency, reliability, sustainability, compliance and security of these functions, while maintaining the lowest cost possible.

- The AGMA&S shall work with the General Manager in continuing and advancing where feasible and desirable, the interoperation of an integration with military water and wastewater utility systems, in accordance with policy guidelines established by the CCU.

- The AGMA&S shall be responsible for the preparation of annual budget estimate for the administrative and support divisions under his or her supervision.

- The AGMA&S shall be responsible for the preparation of the Authority's Capital Improvement Program. The AGMA&S shall, working with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, support the implementation of approved CIPs in accordance with the Authority's approved Capital Improvements Program.

- The AGMA&S shall also oversee the provision of all customer service and information technology support as required to properly and effectively carry out the operational, administrative and support functions of the Authority.

- The AGMA&S shall be responsible, along with the Procurement Administrator and Warehouse Manager, for the planning, budgeting, procurement, storage and warehousing and proper dissemination/distribution of all materials, equipment, consumables and supplies needed to support all functions and operations of the Authority.

- The AGMA&S shall be responsible for the planning, budgeting, procurement, service, maintenance, assignment and monitoring of all fleet vehicles required to support all operations and functions of the Authority.

- The AGMA&S shall be responsible, along with the Personnel Services Administrator for the hiring, training and administration of all human resources functions and programs in compliance with federal and Guam law.

- The AGMA&S shall provide complete and timely reports on the administrative and support functions to the General Manager and the CCU.

- The AGMA&S may be appointed to serve as Acting General Manager for the Authority from time to time.

- The AGMA&S shall perform such other duties assigned by the General Manager.

MINIMUM KNOWLEDGE, SKILLS AND ABILITY:

- Knowledge of best practices in customer service, information technology support, procurement and supply, equipment fleet and staffing support functions related to facilities and infrastructure systems; procurement rules and regulations; information technology systems and development, deployment and maintenance; human resources practices and procedures, administration, training and development.

- Knowledge of personnel administration, internal and external customer service, office administration and utility organization.

- Knowledge of facilities management and facilities operations support systems for water and wastewater utilities.

- Knowledge of information technology, data processing, and financial management and support hardware and software systems.

- Knowledge of the procurement code, principles, practices, warehousing, inventory and supply chain management for utilities operations and support.

- Knowledge of management techniques, principles, and procedures to assign work, schedule, supervise, train, and evaluate the work of assigned staff.

- Knowledge of the utility's organization and operations and ability to anticipate the consequences of the utility's policies and practices within the economic, social and cultural structure of its service area.

- Ability to analyze and evaluate statistical and financial data, conduct and direct research, and develop alternatives and recommendations.

- Ability to communicate effectively with management and subordinates, both orally and in writing to convey logic and rationale ideas, objectives, consequences.

- Ability to establish and implement effective operational programs and procedures. Establishes priorities for the completion of work in accordance with sound time-management methodology.
- Ability to perform a broad range of managerial responsibilities over others.
- Ability to handle a variety of issues with tact and diplomacy and in confidential manner.
- Ability to induce effective employee performance to maintain high level of morale, performance, training and safety.
- Ability to understand and support water and wastewater systems repair and maintenance programs.
- Ability to recommend and implement changes in policies, procedures, materials and equipment to enhance program effectiveness.

Position Established: 1 February 1997
Amended (1st): October 2012
Amended (2nd): November 2016
Amended (3rd): March 2018

Salary: Alan Searle Compensation Plan; ***COMMENSURATE WITH EXPERIENCE***

Pursuant to 12GCA: Autonomous Agencies, Chapter 14: Guam Waterworks Authority, §14.114, Employment, paragraph (c): "Notwithstanding any other provisions of law, neither the General Manager, Assistant General Managers, Secretary, Treasurer, Comptroller, nor Attorney of the Authority shall be within the classified service of the government of Guam but shall be hired, compensated and employed under the terms and conditions fixed by, and at the pleasure of the Board."

Joseph T. Duenas, Chairman
Consolidated Commission on Utilities

ATTACHMENT
A

GUAM WATERWORKS AUTHORITY
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ASSISTANT GENERAL MANAGER OF ADMINISTRATION & SUPPORT (AGMA&S)
(Unclassified)

MINIMUM QUALIFICATIONS

A. Master's Degree in Business Management, Business Administration, Public Administration or other related field; with major course work in utility infrastructure and operations, organization and customer service, analysis and evaluation, and financial management, plus 6 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, construction or technically related field; **OR**

B. Bachelor's Degree in Business Management, Business Administration, Public Administration or other related field with a minimum of 10 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, customer service, construction or technically related field;

NATURE OF WORK IN THIS CLASS:

- This is complex work involving the planning, organizing, staffing, directing and coordinating of all the Authority's administrative, technical and logistical support services, including customer service, procurement, warehouse and supply, equipment and vehicle fleet, information and data systems, and staffing resources to ensure the success of utility operations, customer care, compliance & safety, and finance & accounting functions.

- The AGMA&S shall report to and is accountable to the Guam Waterworks Authority's General Manager for the provisions of customer service and technical support, fleet and staffing support services to the rest of the Authority in an efficient manner, to enable successful operation of the utility.

- The AGMA&S is also responsible and accountable for managing and organizing efficient business practices in the divisions assigned.

- The AGMA&S shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

- The AGMA&S directs and manages the development of short-term and long-term goals and objectives of GWA and ensures their effective execution and all assigned administrative and support functions are sustainable; and effectively serves the needs of GWA's ratepayers while complying with applicable laws and regulations; and performs related duties as assigned.

ILLUSTRATIVE EXAMPLES OF WORK: (These examples do not list all the duties which may be assigned)

- To manage, coordinate, and report on designated administrative and support divisions: Human Resources, Procurement, Supply & Warehouse, Fleet & Equipment, Information Technology and Customer Service.

- The AGMA&S shall plan, organize, staff, and direct the operation of the Authority's administrative and support divisions, including the setting of objectives, standards, training of employees and evaluation of staff and divisional performances.

- The AGMA&S shall assure compliance with the minimum Levels of Service (LOS) established by the Authority in the operation of the administrative and support divisions, and shall work with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, achieve utility wide LOS compliance at the lowest possible cost.

- The AGMA&S shall analyze the administrative and support functions for performance, costs and effectiveness, and develop strategies and recommendations to increase efficiency, reliability, sustainability, compliance and security of these functions, while maintaining the lowest cost possible.

- The AGMA&S shall work with the General Manager in continuing and advancing where feasible and desirable, the interoperation of an integration with military water and wastewater utility systems, in accordance with policy guidelines established by the CCU.

- The AGMA&S shall be responsible for the preparation of annual budget estimate for the administrative and support divisions under his or her supervision.

- The AGMA&S shall be responsible for the preparation of the Authority's Capital Improvement Program. The AGMA&S shall, working with other Assistant General Managers, the Chief Financial Officer, Legal Counsel and under the direction of the General Manager, support the implementation of approved CIPs in accordance with the Authority's approved Capital Improvements Program.

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- The AGMA&S may be appointed to serve as Acting General Manager for the Authority from time to time.

- The AGMA&S shall perform such other duties assigned by the General Manager.

MINIMUM KNOWLEDGE, SKILLS AND ABILITY:

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- Knowledge of management techniques, principles, and procedures to assign work, schedule, supervise, train, and evaluate the work of assigned staff.

- Knowledge of the utility's organization and operations and ability to anticipate the consequences of the utility's policies and practices within the economic, social and cultural structure of its service area.

- Ability to analyze and evaluate statistical and financial data, conduct and direct research, and develop alternatives and recommendations.

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- Ability to understand and support water and wastewater systems repair and maintenance programs.
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Position Established:	1 February 1997
Amended (1st):	October 2012
Amended (2nd):	November 2016
Amended (3rd):	March 2018

Salary: Alan Searle Compensation Plan; ***COMMENSURATE WITH EXPERIENCE***

Pursuant to 12GCA: Autonomous Agencies, Chapter 14: Guam Waterworks Authority, §14.114, Employment, paragraph (c): "Notwithstanding any other provisions of law, neither the General Manager, Assistant General Managers, Secretary, Treasurer, Comptroller, nor Attorney of the Authority shall be within the classified service of the government of Guam but shall be hired, compensated and employed under the terms and conditions fixed by, and at the pleasure of the Board."

Joseph T. Duenas, Chairman
Consolidated Commission on Utilities

CONSOLIDATED COMMISSION ON UTILITIES
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RESOLUTION NO. 23-FY2018

RELATIVE TO THE APPROVAL OF THE AMENDMENT OF THE ASSISTANT GENERAL MANAGER ADMINISTRATION & SUPPORT (UNCLASSIFIED) JOB CLASSIFICATION STANDARD

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, the GWA General Manager requests the CCU to approve the amendment of the Assistant General Manager Administration & Support classification standard (Exhibit A); and

WHEREAS, the GWA General Manager requests the CCU to approve the job classification standards of the Assistant General Manager Administration & Support position in the unclassified status; and

WHEREAS, Public Law 28-112 and 4 GCA §6303 (d) authorizes the creation of positions in Autonomous Agencies and Public Corporations; and

WHEREAS, GWA Personnel Rules and Regulations as amended by Public Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions;

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Waterworks Authority, does hereby approve and authorize the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The amendment of the job classification standard for the Assistant General Manager Administration & Support position in the unclassified status is hereby approved and attached herein as Attachment A.
3. The Assistant General Manager Administration & Support position is hereby added to the certified, technical and professional list of positions at GWA.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, **J. George Bamba**, 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

ATTACHMENT
A

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Tel: 671.300.6846-48, Fax 671.648.3290

ASSISTANT GENERAL MANAGER OF ADMINISTRATION & SUPPORT (AGMA&S)
(Unclassified)

MINIMUM QUALIFICATIONS

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B. Bachelor's Degree in Business Management, Business Administration, Public Administration or other related field with a minimum of 10 years of demonstrated experience and progressive responsibility in the management of facility support services in utilities, customer service, construction or technically related field;

NATURE OF WORK IN THIS CLASS:

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- The AGMA&S shall report to and is accountable to the Guam Waterworks Authority's General Manager for the provisions of customer service and technical support, fleet and staffing support services to the rest of the Authority in an efficient manner, to enable successful operation of the utility.

- The AGMA&S is also responsible and accountable for managing and organizing efficient business practices in the divisions assigned.

- The AGMA&S shall also be responsible for assisting with the formulation of recommendations on policies, goals and objectives, and implementation of plans, policies and procedures adopted by the Consolidated Commission on Utilities (CCU).

- The AGMA&S directs and manages the development of short-term and long-term goals and objectives of GWA and ensures their effective execution and all assigned administrative and support functions are sustainable; and effectively serves the needs of GWA's ratepayers while complying with applicable laws and regulations; and performs related duties as assigned.

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- The AGMA&S may be appointed to serve as Acting General Manager for the Authority from time to time.

- The AGMA&S shall perform such other duties assigned by the General Manager.

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- Knowledge of personnel administration, internal and external customer service, office administration and utility organization.

- Knowledge of facilities management and facilities operations support systems for water and wastewater utilities.

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- Knowledge of the procurement code, principles, practices, warehousing, inventory and supply chain management for utilities operations and support.

- Knowledge of management techniques, principles, and procedures to assign work, schedule, supervise, train, and evaluate the work of assigned staff.

- Knowledge of the utility's organization and operations and ability to anticipate the consequences of the utility's policies and practices within the economic, social and cultural structure of its service area.

- Ability to analyze and evaluate statistical and financial data, conduct and direct research, and develop alternatives and recommendations.

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- Ability to handle a variety of issues with tact and diplomacy and in confidential manner.
- Ability to induce effective employee performance to maintain high level of morale, performance, training and safety.
- Ability to understand and support water and wastewater systems repair and maintenance programs.
- Ability to recommend and implement changes in policies, procedures, materials and equipment to enhance program effectiveness.

Position Established: 1 February 1997
Amended (1st): October 2012
Amended (2nd): November 2016
Amended (3rd): March 2018

Salary: Alan Searle Compensation Plan; ***COMMENSURATE WITH EXPERIENCE***

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Joseph T. Duenas, Chairman
Consolidated Commission on Utilities

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GWA RESOLUTION NO. 24-FY2018

RELATIVE TO RATIFICATION AND APPROVAL OF ADDITIONAL PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH BADGER METER INC. FOR GWA WATER METERS OF VARIOUS SIZES AND ACCESSORIES.

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, in order to support fulfilling Court Order requirements for meter replacement and provide for maintaining an adequate inventory, GWA advertised an Invitation for Bid (IFB) 2015-13 soliciting proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, out of fifteen (15) bidders expressing interest, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty-Seven Five Hundred Forty Dollars and Two Cents ($427,540.02) over a 3-year contract

term, made by Badger Meter Inc. is fair and reasonable and recommended Badger Meter Inc. be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter accepted the notice [EXHIBIT B]; and

WHEREAS, GWA submitted Resolution No. 32-FY2017 which sought approval of purchases up to One Million Dollars ($1,000,000.00) and CCU approved it on May 23, 2017 (EXHIBIT C); and

WHEREAS, GWA Management, in response to emergent functional issues with Badger's Model LP meter, has initiated efforts to replace that model under warranty with a more robust and reliable model, and such efforts have outpaced the receipt of warranty replacements from the manufacturer; and

WHEREAS, GWA Management seeks to continue its increased efforts to replace the Model LP meters to mitigate impacts to, and improve revenues, and will need to purchase additional meters to achieve this goal; and

WHEREAS, during the course of the replacement program, as meters are found to have failed the testing procedure, those meters still under warranty will be credited toward the supplier's invoices; and

WHEREAS, GWA Management seeks CCU Ratification of procurement related to IFB 2015-13 in the total amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) for the purchases in excess of One Million Dollars ($1,000,000.00) (EXHBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional ten thousand one hundred meters (10,100) meters with a unit cost of One Hundred Forty-Three Dollars and Fifty-Five Cents ($143.55) under IFB 2015-13 in the amount of One Million Four

Hundred Forty-Nine Thousand Eight Hundred Fifty-Five Dollars ($1,449,855.00) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU Approval to purchase an additional six thousand six hundred seventy-four (6,674) meters of various sizes for meter inventory replenishment in the total amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65) (EXHIBIT D); and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Two Million Five Hundred Seventy Nine Thousand Seven Hundred Ninety Seven Dollars and Ninety-Seven Cents ($2,579,797.97), which is the sum of purchase orders in excess of One Million Dollars ($1,000,000.00) totaling to Fourteen Thousand Two Hundred Twenty Four Dollars and Thirty Two Cents ($14,224.32) plus additional meters requested at a cost of One Million Four Hundred Forty Nine Thousand Eight Hundred Fifty Five Dollars ($1,449,855.00) plus meter inventory replenishment with an amount of One Million One Hundred Fifteen Thousand Seven Hundred Eighteen Dollars and Sixty-Five Cents ($1,115,718.65); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

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 bid proposal submitted by "Badger Meter Inc" are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.
4. All of the procurement herein is in the best interest of the territory of Guam and Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the

amount of Fourteen Thousand Two Hundred Twenty-Four Dollars and Thirty-Two Cents ($14,224.32) (EXHIBIT D) and approves additional meter purchases in the amount of Two Million Five Hundred Sixty-Five Thousand Five Hundred Seventy-Three Dollars and Sixty-Five Cents ($2,565,573.65) (EXHIBIT D).

The CCU authorizes the General Manager to notify the Public Utilities Commission of this procurement as set forth in Section 3 of the PUC Order filed April 11, 2003, as a continuing obligation under the Court Order.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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

EXHIBIT A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: Miguel C. Bordallo, P.E., General Manager

CC Vincent Guerrero, SMA

FROM: Evaluation Committee Members

SUBJECT: Recommendation of Award
(Water Meters Various & Accessories)

DATE: January 26, 2016

Invitation for Bid No: GWA 2015-13 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on Sept 25, 2015 and open as scheduled on October 14, 2015 @ 10:00 am. Fifteen (15) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Canton Construction
2. Manhattan Guam Inc.
3. FS
4. Benson Guam
5. JMI Edison
6. Barret Plumbing
7. Monhar Construction
8. Supreme Group Guam
9. American Int. Supply
10. American Water Works
11. USSI
12. Zenner Performance
13. GPE Ent.
14. Badger Meter Inc
15. Americas Best Electricmart

Of the fifteen (15), two (2) submitted their bid package, namely:

- Badger Meter Inc.
- Americas Best Eletricmart

An evaluation committee was formally assembled and met on October 28, 2015 @ 9:00 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Marc Lopez

- Karen Grape
- Albert Perez
- Peter Salas

The committee members determined that Badger Meter Inc. submitted the lowest cost however, in-order for Badger Meter to be considered a responsive bidder, as part of the bid requirement, badger Meter Inc. is required to submit a Guam Business License in order to be consider for award.

On November 04, 2015, GWA notified Badger and requested they submit a Guam business license as specified in the bid, on January 07, 2016 Badger Meter complied and submitted a Guam business license, On January 12, 2016 the committee members reconvened and confirmed the requirement have been submitted by Badger and thereby agreed and accepted the bid offer from Badger Meter Inc. In closing, the committee members recommend the award issued to Badger.

Badger Meter Bid Cost:

Item No	Description	Estimated Qty	Unit Cost	Total Cost
1.1	Badger Water Meter RCDL Model 25 LL Disc Meter (NSF 61-G) 5/8" x ¾-3/4 Bore (3/4" x 7 ½")	500 each	$143.66	$71,775.00
1.2	Badger Water Meter 1 Inch RCDL Model 55 LL Disc Meter (NSF 61-G) 1" (1 x 10 ¾")	10 each	$226.87	$2,268.70
1.3	Badger Water Meter 1 ½" Inch RCDL Model 120 LL Disc Meter (NSF 61-G)	10 each	$361.74	$3,617.40
1.4	Badger Water Meter 2" Inch RCDL Model 170 Disc Meter (NDF61-G).	15 each	$540.52	$8,107.80

1.5	Badger Water Meter 3" Inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$738.12	$3,690.60
1.6	Badger Water Meter 4" Inch. RCDL Turbo Series Meter LL (NSF 61-G).	5 each	$1,200.92	$6,004.60
1.7	Badger Water Meter 6" Inch. RCDL Turbo Series Meter LL (NSF 61-G).	2 each	$2,202.88	$4,405.72
1.8	Badger Water Meter 8" Inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$3,001.71	$3,001.71
1.9	Badger Water Meter 10" Inch. RCDL Turbo Series Meter LL (NSF 61-G).	1 each	$4,080.77	$4,080.77
1.10	Badger Water Meter 3" Inch. RCDL Compound Series Meter LL (NSF 61-G).	5 each	$1,772.38	$8,861.88
1.11	Badger Water Meter 4" Inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$2,789.88	$2,789.88

1.12	Badger Water Meter 6" Inch. RCDL Compound Series Meter LL (NSF 61-G).	1 each	$3,953.04	$3,953.04
1.13	External Plate Strainer	1 each	$309.01	$309.01
1.14	3"External Plate Strainer	1 each	$405.65	$405.65
1.15	4" LL Bronze External Plate Strainer	1 each	$545.33	$545.33
1.16	6" LL Bronze External Plate Strainer	1 each	$761.12	$761.12
1.17	External Plate Strainer	1 each	$2,051.31	$2,051.31
1.18	External Plate Strainer	1 each	$4,567.20	$4,567.20
1.19	Assembly Elliptical 1-1/2"	1 each	$144.50	$144.50
1.20	Assembly Elliptical 2" Flange Brass	1 each	$195.50	$195.50
1.21	No Register, Orion ME Note: Add-on for each compound meter purchase	1 each	$107.30	$107.30
1.22	Badger M2000 2"	1 each	$1,863.00	$1,863.00
	Badger M2000 3"	1 each	$1,964.70	$1,964.70
	Badger M2000 4"	1 each	$2,070.90	$2,070.90
	Badger M2000 6"	1 each	$2,330.10	$2,330.10
	Badger M2000 8"	1 each	$2,640.60	$2,640.60

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.

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:

Marc Lopez 01-22-2016
Marc Lopez, Associate Engineer

January 22, 2016
Karen Cheryl O. Grape, Management Analyst III, Operations

January 22, 2016
Albert Perez, Inventory Management Officer

Your approval is greatly appreciated.

Peter Salas.
Peter Salas

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

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

1-29-14

MIGUEL C. BORDALLO, P.E. GENERAL MANGER

MCB/vg/ecm

EXHIBIT A

GWA IFB 2015-13 WATER METERS VARIOUS SIZES AND ACCESSORIES (ALL OR NOTHING)

ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1.1	Badger Water Meter 5/8"X3/4"	500 EACH	$ 143.55	$ 71,775.00
1.2	Badger Water Meter 1"	10 EACH	$ 226.87	$ 2,268.70
1.3	Badger Water Meter 1-1/2"	10 EACH	$ 361.74	$ 3,617.40
1.4	Badger Water Meter 2"	15 EACH	$ 540.52	$ 8,107.80
1.5	Badger Water Meter 3" Turbo	5 EACH	$ 738.12	$ 3,690.60
1.6	Badger Water Meter 4" Turbo	5 EACH	$ 1,200.92	$ 6,004.60
1.7	Badger Water Meter 6" Turbo	2 EACH	$ 2,202.86	$ 4,405.72
1.8	Badger Water Meter 8" Turbo	1 EACH	$ 3,001.71	$ 3,001.71
1.9	Badger Water Meter 10" Turbo	1 EACH	$ 4,080.77	$ 4,080.77
1.10	Badger Water Meter 3" Compound	5 EACH	$ 1,772.38	$ 8,861.90
1.11	Badger Water Meter 4" Compound	1 EACH	$ 2,789.88	$ 2,789.88
1.12	Badger Water Meter 6" Compound	1 EACH	$ 3,953.04	$ 3,953.04
1.13	2" External Plate Strainer	1 EACH	$ 309.01	$ 309.01
1.14	3" External Plate Strainer	1 EACH	$ 405.65	$ 405.65
1.15	4" Bronze External Plate Strainer	1 EACH	$ 545.33	$ 545.33
1.16	6" Bronze External Plate Strainer	1 EACH	$ 761.12	$ 761.12
1.17	8" External Plate Strainer	1 EACH	$ 2,051.31	$ 2,051.31
1.18	10" External Plate Strainer	1 EACH	$ 4,567.20	$ 4,567.20
1.19	Assembly Elliptical 1-1/2"	1 EACH	$ 144.50	$ 144.50
1.20	Assembly Elliptical 2" Flange Brass	1 EACH	$ 195.50	$ 195.50
1.21	No Register Orion ME	1 EACH	$ 107.30	$ 107.30
1.22	Badger M2000 2"	1 EACH	$ 1,863.00	$ 1,863.00
	Badger M2000 3"	1 EACH	$ 1,964.70	$ 1,964.70
	Badger M2000 4"	1 EACH	$ 2,070.90	$ 2,070.90
	Badger M2000 6"	1 EACH	$ 2,330.10	$ 2,330.10
	Badger M2000 8"	1 EACH	$ 2,640.60	$ 2,640.60
		TOTAL COST		$ 142,513.34

AT THREE YEARS =
$427,540.02

EXHIBIT B

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

FEB 2 3 2016

NOTICE TO PROCEED

Ms. Theresa M. Szafranski
4545 W Brown Deer Road
P.O. Box 245036
Milwaukee, Wisconsin 53224-9536

Telephone: 414-355-0400/800-876-3838

Project No: GWA IFB 2015-13
Project Name: Water Meters Various Sizes and Accessories

Dear Theresa,

You are hereby notified to commence work in accordance with the contract dated **5th** day of **February**. This letter constitutes your official Notice to Proceed (NTP) for the above referenced bid.

Sincerely,

Vince Guerrero, CPM
Supply Management Adm.

ACCEPTANCE OF NOTICE

Receipt of the above Notice to Proceed is hereby acknowledged this 23rd day of February, 2016.

Contractor: BADGER METER, INC.

Print Name & Title: Theresa M. Szafranski, Assistant Secretary

Signature: Theresa M. Szafranski

EXHIBIT C

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

RESOLUTION NO. 32-FY2017

RELATIVE TO RATIFICATION AND APPROVAL OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH BADGER METER INC. FOR GWA WATER METERS OF VARIOUS SIZES AND ACCESSORIES

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 has advertised by an Invitation for Bid (IFB) 2015-13 soliciting bid proposals from experienced and responsive bidders to provide water meters to replenish Guam Waterworks Authority stock as needed for water meter change outs and new installations; and

WHEREAS, there were two (2) responsive and responsible bidders who offered water meters of various sizes and accessories meeting the requirements of IFB 2015-13; and

WHEREAS, the IFB 2015-13 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for "All or None Bid for water meters of various sizes and accessories" with an estimated amount of Four Hundred Twenty Seven Thousand Five Hundred Forty Dollars and Two Cents ($427, 540.02) over a three (3) year contract term, made by Badger Meter Inc. is fair and reasonable, and recommended Badger Meter Inc.be awarded the contract [EXHIBIT A]; and

WHEREAS, GWA issued a Notice to Proceed to Badger Meter Inc. on February 23, 2016 at which time Badger Meter Inc. accepted the notice [EXHIBIT B]; and

WHEREAS, GWA Management seeks CCU ratification of procurement related to IFB 2015-13 in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06), for purchases in excess of the General Manager's authorized threshold [EXHIBIT C]; and

WHEREAS, GWA Management seeks CCU approval to purchase additional meters under IFB 2015-13 in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) [EXHIBIT D]; and

WHEREAS, GWA Management seeks CCU approval and ratification of IFB 2015-13 for water meters of various sizes and accessories indefinite quantity bid in the amount of Six Hundred Ninety Seven Thousand One Hundred Twenty Dollars and Forty Six Cents ($697,120.46), which is the sum of purchase orders issued totaling Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) plus additional meters requested at a cost of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40); and

WHEREAS, the source of funding for the water meter purchases is Internally Funded Capital Improvement Projects.

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 bid proposal submitted by "Badger Meter Inc." are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.

4. The Indefinite Quantity procurement used for these purchases is in the best interest of the territory of Guam and the Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under previously issued purchase orders relative to indefinite quantity contract with Badger Meters Inc. in the total amount of Two Hundred Twenty One Thousand Seven Hundred Forty Four Dollars and Six Cents ($221,744.06) (EXHIBIT C) and approves currently planned purchases in the amount of Four Hundred Seventy Five Thousand Three Hundred Seventy Six Dollars and Forty Cents ($475,376.40) (EXHIBIT D) and future planned purchases under the Indefinite Quantity procurement up to a cumulative total of One Million Dollars ($1,000,000.00).
6. The CCU authorizes the General Manager to petition the Public Utilities Commission for approval of the IFB 2015-13 in the event GWA anticipates the procurement will exceed the One Million Dollars ($1,000,000.00) threshold 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 23rd day of May 2017.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

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I, J. George Bamba, 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: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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EXHIBIT D

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

Encumbered Purchase Orders Relative to IFB 2015-13

PO No	FY	GL Date	PO Amount	IFB 2015-13
299095	16	2/22/2016	$ 35,205.27	Y
299176	16	3/10/2016	$ 11,659.70	Y
299326	16	3/30/2016	$ 3,001.71	Y
299501	16	5/20/2016	$ 102,727.15	Y
299506	16	5/20/2016	$ 107.30	Y
299508	16	5/20/2016	$ 7,291.20	Y
299769	16	8/12/2016	$ 10,722.58	Y
299861	16	9/1/2016	$ 14,355.00	Y
299963	16	9/26/2016	$ 43,088.30	Y
300089	17	10/24/2016	$ 28,710.00	Y
300312	17	12/14/2016	$ 49,793.35	Y
300343	17	12/20/2016	$ 43,065.00	Y
300515	17	2/7/2017	$ 57,420.00	Y
300583	17	3/8/2017	$ 14,355.00	Y
300610	17	3/23/2017	$ 50,242.50	Y
300836	17	5/24/2017	$ 430,650.00	Y
300861	17	6/1/2017	$ 46,979.70	Y
300941	17	6/16/2017	$ 5,426.10	Y
300942	17	6/16/2017	$ 6,003.42	Y
300943	17	6/16/2017	$ 23,718.24	Y
301561	18	11/20/2017	$ 4,537.40	Y
As of Dec. 27, 2017			**$ 989,058.92**	
301812	18	1/12/2018	$ 14,355.00	Y
301813	18	1/12/2018	$ 10,810.40	Y
			$ 25,165.40	
TOTAL Purchase Orders			**$ 1,014,224.32**	

Additional Meter Purchases

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	10,100	$143.55	**$1,449,855.00**

Meter Inventory Replenishment

Meter Size	Qty	IFB 2015-13 Unit Cost	Amount
3/4	6,316	$143.55	$906,661.80

1	121	$226.87	$27,360.52
1 1/2	83	$361.74	$29,843.55
2	48	$540.52	$25,782.80
3	23	$738.12	$16,681.51
4	37	$1,200.92	$44,554.13
6	23	$2,202.86	$51,326.64
8	5	$3,001.71	$13,507.70
Inventory Replenishment Total	**6,654**		**$1,115,718.65**
Total Meter Purchases	**16,754**		**$2,565,573.65**

Summary IFB 2015-13 Badger Water Meters

CCU Ratification	$14,224.32	<Excess of $1M
Additional Meter Purchases	$1,449,855.00	Qty of 10,100 3/4 meters at $ 143.55 each.
Meter Inventory Replenishment	$1,115,718.65	Qty of 6,754 Meter Inventory Replenishment Various Sizes
TOTAL AMOUNT	**$2,579,797.97**	

EXHIBIT A

GUAM WATERWORKS AUTHORITY

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

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-10
Ref: Wastewater Treatment Chemicals

Invitation for Bid No: GWA 2015-10 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on September 24, 2015 and open as scheduled on October 15, 2015 @ 10:00am twenty (20) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Total Chemical Resources, Inc.
2. Canton Construction Corp.
3. DSGDSFG
4. HDR
5. JMI-Edison
6. Island Equipment Co.
7. M.D. Wholesale
8. Bei Hawaii
9. Carus Corp.
10. Monhar Construction.
11. VMB Trading Co.
12. Sai Machinery LLC.
13. Culligan Pacific
14. Student Construction
15. Guam Pacific Enterprise.
16. America's Best Electricmart
17. Gulbrandsen Technologies
18. SS
19. D. Mullis Insurance
20. Polydyne Inc.

Of the twenty (20) only two (2) submitted their bid package namely:

- Total Chemical Resource
- JMI-Edison

An evaluation committee was formally assembled and met on October 22, 2015 @ 11:00am in GPWA conference room 1st floor to review/discuss and evaluate the bid.

Committee members consist of:

- Antonio Camacho
- Paul Kemp
- Dan Aguon
- Dave Fletcher

The committee members reviewed the bid proposals and have determined both prospective bidders Total Chemical and JMI-Edison respectfully submitted a reasonable and fair cost and is awarded based on the lowest annual cost as specified in the IFB, as follows:

Total Chemical to be awarded as follows:

Item No. 1: Inorganic Coagulant,
Price per pound delivered CIF: **$1.06**
Product Label Name: **Achieve D1012 ACH Powder**

$1.06 X 803,528. =$851,739.68 (Annual Cost)

Item No. 2: Coagulant Aid (e. g. anionic polymer)
Price per pound delivered CIF: **$1.40**
Product Label Name: Nalclear 7767 Anionic Flocculant

$1.40 x 111,763= $156,468.20 (Annual Cost)

JMI Edison to be awarded as follows:

Item No. 3: Cationic Polymer
Price per pound delivered CIF: **$1.45**
Product Label Name: **Hydrex 6402 Cationic Emulsion Polymers**

$1.45 x 138,061 = $200,188.45 (Annual Cost)

After a thorough evaluation the committee members agreed to and accept the submitted bid offers from both Total Chemical Resources and JMI Edison and have been determined they respectfully complied with all specifications and requirements set forth in this IFB. In closing, the committee members respectfully request your approval to proceed with the award.

Bid Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. **The quantities reflected in the bid are estimated requirements only and not guaranteed minimums.**

Delivery:

The vendor will be responsible for all cost and all risks associated with the provision of these goods until delivery is made and the items are formally accepted by GWA. All goods shall be delivered in its manufacturer's original factory sealed containers to Guam Waterworks Authority Northern District Wastewater Treatment Plant and Hagatna Wastewater Treatment Plants. Delivery time is 60 days from the date on the Notice to Proceed.

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 and which shall in all cases incorporate the terms of this bid whether stated on the Purchase Order or not, which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is for three (3) years fixed price term with option to renew for additional two (2) one (1) year term, all prices shall be fixed for the initial one (1) year term. All purchases are subject to availability of funds.

Concurred and accepted by the committee members:

Paul Kemp, Assistant General Manager Compliance & Safety

Dan Aguon, Wastewater Plant Superintendent

Dave Fletcher, Operations and Maintenance Manager

Antonio Camacho, Buyer II Procurement

Your approval is greatly appreciated.

Peter Salas

REF: IFB 2015-10 Wastewater Treatment Chemicals

Note: Fund Certification form reviewed, signed and approved dated on Sept 10, 2015
GL Account Number: 7003.71802.430 (Estimated cost: $1,534,307.00 - Pending approval of FY 2016 budget.)

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

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

10/5/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

GUAM WATERWORKS AUTHORITY

Guam Waterworks Authority
P. O. Box 3010
Hagåtña, Guam, 96932
BID ABSTRACT

IFB GWA 2015-10
FOR: WW TREATMENT CHEM.
OPENING DATE: OCT. 15, 2015
OPENING TIME: 11:00 AM

BIDDERS	ITEM #	VENDOR 1	VENDOR 2	VENDOR 3	VENDOR 4
Vendor #1 JMI EDISON	1.0	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
Bid Guarantee: [ ]Cashier's Check or Certified Check $		INORGANIC COAGULANT / ALUMINUM CHLOROHYDRATE	INORGANIC COAGULANT ACH POWDER (ACHIEVE DRY)	INORGANIC COAGULANT /	INORGANIC COAGULANT /
[ ]Letter of Credit $ _____ [ ]Bid/Performance Bond 15%		PRICE PER POUND DELIVERED CIF: $ 1.45 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.05 PER POUND	TIME OF FIRST DELIVERY: 90 DAYS
[ ]Surety Bond: Current Cert. of Auth. *Power of Attorney*		PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:
[ ]Non-Collusion Affidavit		MANUFACTURING OR MFG: SUMMIT RESEARCH LABS	MANUFACTURING OR MFG:	MANUFACTURING OR MFG:	MANUFACTURING OR MFG:
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature		BRAND: SUMAL/CHLOR 200	BRAND: ACHIEVE DRY12 ACH POWDER	BRAND:	BRAND:
[ ]Affidavit of Disclosure of Major Shareholdings:		PLACE OF ORIGIN: U.S.A.	PLACE OF ORIGIN: NEWNAN, GEORGIA	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ]Certification of Non-Employment of Convicted Sexual Offenders	2.0	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ]CD Provided		COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)	COAGULANT AID (e.g. anionic polymer)
Vendor #2 TOTAL CHEMICAL RESOURCES		PRICE PER POUND DELIVERED CIF: $ 1.39 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.40 PER POUND	TIME OF FIRST DELIVERY: 45 DAYS
Bid Guarantee: [ ]Cashier's Check or Certified Check $		PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:
[ ]Letter of Credit $ _____ [ ]Bid/Performance Bond 15%		MANUFACTURING OR MFG: Veolia Water Solutions Technologies		MANUFACTURING OR MFG: HALCO AN ECOLAB COMPANY	
[ ]Surety Bond: Current Cert. of Auth. *Power of Attorney*		BRAND: Hydrex 6104 Anionic Polymers		MANUFACTURING OR MFG: HALCLEAR 7167 ANIONIC FLOCCULANT	
[ ]Non-Collusion Affidavit		PLACE OF ORIGIN: KOREA	TIME OF DELIVERY: AS PER GWA REQUIREMENTS	BRAND:	
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature				PLACE OF ORIGIN:	TIME OF DELIVERY:
[ ]Affidavit of Disclosure of Major Shareholdings:					
[ ]Certification of Non-Employment of Convicted Sexual Offenders	3.0	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ]CD Provided		CATIONIC POLYMER	CATIONIC POLYMER	CATIONIC POLYMER	CATIONIC POLYMER
Vendor #3 NO BID SUBMITTAL		PRICE PER POUND DELIVERED CIF: $ 1.45 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.35 PER POUND	TIME OF FIRST DELIVERY: 45 DAYS
Bid Guarantee: [ ]Cashier's Check or Certified Check $		PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:	PRICE PER POUND DELIVERED CIF:	TIME OF FIRST DELIVERY:
[ ]Letter of Credit $ _____ [ ] Bid/Performance Bond 15%		MANUFACTURING OR MFG: Veolia Water Solutions Technologies		MANUFACTURING OR MFG: HALCO AN ECOLAB COMPANY	
[ ]Surety Bond: Current Cert. of Auth. *Power of Attorney*		BRAND: Hydrex 6104 Anionic Polymers		MANUFACTURING OR MFG: OPTIMER 7194 CATIONIC	
[ ]Non-Collusion Affidavit		PLACE OF ORIGIN: KOREA	TIME OF DELIVERY: AS PER GWA REQUIREMENTS	BRAND:	
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature				PLACE OF ORIGIN:	TIME OF DELIVERY:
[ ]Affidavit of Disclosure of Major Shareholdings:					
[ ]Certification of Non-Employment of Convicted Sexual Offenders					
[ ]CD Provided					
Vendor #4 NO BID SUBMITTAL					
Bid Guarantee: [ ]Cashier's Check or Certified Check $					
[ ]Letter of Credit $ _____ [ ] Bid/Performance Bond 15 %					
[ ]Surety Bond: Current Cert. of Auth. *Power of Attorney*					
[ ]Non-Collusion Affidavit					
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature					
[ ]Affidavit of Disclosure of Major Shareholdings:					
[ ]Certification of Non-Employment of Convicted Sexual Offenders					
[ ]CD Provided					

Bids Recommended for Award:
[ ] Lowest Responsive Bidder
[ ] Tie Bid
[ ] Only Bid
[ ] Other Than Lowest Responsive Bidder

Tabulated By: _____ Date: 10/15/15

Doc. No. 34GL-18-1707.*

TOTAL CHEMICAL

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.06 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

Jerry A. Flores
Chief Financial Officer
Total Chemical Resources, Inc.

10/14/15
Date

JMI EDISON

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

GUAM WATERWORKS AUTHORITY

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

PRIORITY

GWA FINANCE & ACCOUNTING ADMINISTRATIVE OFFICE
RECEIVED BY:
SEP 03 2015
BY:

9/8/15
2:42 pm

REVIEW FORM

This **IFB 2015-10 / Wastewater Treatment Chemicals** will be acquired by means of competitive bid process through GWA Procurement Office. Below are the following divisions who concurred and agree to proceed.

Requested by: _____ Print/sign Date: 09/03/2015

Concurred By:

Supply Management Admin: _____ Print/sign Date: 9/3/2015

Review by Budget: ~~CREO CRUZ~~ _____ Print/sign Date: 9.14.15

Pending approval of FY 2016 Budget

7003.71802.430

GWA WATERWORKS AUTHORITY
BUDGET OFFICE
BUDGET OFFICER

Estimated cost: $ FY16 - 1,534,307.00

DATE 9/10/15 TIME _____

FY 2015 Budget - No Balance
FY 2016 Budget - Approval Pending
Proposed Bid for FY16 Only

EXHIBIT B

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Glen Canovas
Total Chemical Resources Inc.
P.O. Box 20730
Barrigada, Guam 96921
Tel. No: 646-4742
Fax No: 649-0447

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by Total Chemicals Resource for the above described reference in response to its Advertisement for Bids dated September 24, 2015 and you are hereby notified that the bid cost for Item No. 1: Inorganic Coagulant and Item No. 2: Coagulant Aid (Anionic Polymer) 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.

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

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB 2015-10 is hereby acknowledged

By: _____ Title: JERRY A. FLORES - C.F.O.
Signature (please print)

Dated this 3rd day of NOVEMBER, 2015.

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

EXHIBIT C

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Jeff Pacsto
JMI-Edison
125 North Marine Corps. Dr.
Tamuning, Guam 96913
Tel No: 646-6400
Fax No: 649-4835

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

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 September 24, 2015 and you are hereby notified that the bid cost for Item No.3 Cationic Polymer 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.

/

6716493790 GWA Procurement Supply

Ref: IFB 2015-10 Wastewater Chemicals

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

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB.2015-10 is hereby acknowledged

By: _____ Title: Operations Manager
Signature (please print)

Dated this 3rd day of November, 2015.

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

EXHIBIT D

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.08 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A.

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

10/14/15
Jerry A. Flores Date
Chief Financial Officer
Total Chemical Resources, Inc.

EXHIBIT E

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

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

RESOLUTION NO. 25-FY2018

RELATIVE TO APPROVAL OF THE CONTRACT WITH TOTAL CHEMICALS AND JMI-EDISON FOR THE ADDITIONAL PURCHASE OF WASTEWATER CHEMICALS FOR WASTEWATER TREATMENT PLANTS

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 2011 Court Order ("CO") Projects, including construction of system upgrade of the Northern District WWTP to use Chemically Enhanced Primary Treatment as specified in § II A Paragraph 2 of the CO; and

WHEREAS, GWA has completed the system upgrade of the Hagatna WWTP to use Chemical Enhanced Primary Treatment and is now operating it as specified in § II A Paragraph 5 of the CO; and

WHEREAS, the Chemically Enhanced Primary Treatment at the Northern District WWTP and the Hagatna WWTP requires purchase of chemicals for the application of the treatment process; and

WHEREAS, on July 30, 2015 GWA filed a Petition with the Guam Public Utilities Commission ("PUC") for approval to issue a bid for the chemicals for the Northern District and Hagatna wastewater treatment facilities; and GWA Petition was approved by the PUC on August 27, 2015; and

WHEREAS, GWA issued Bid Number 2015-10 to solicit bid proposals from experienced and responsive bidders to provide the chemicals needed to continue to operate the Northern District WWTP and the Hagatna WWTP in compliance with the Court Order; and

WHEREAS, there were two responsive and responsible bidders who offered chemicals meeting requirements in IFB 2015-10 (see Exhibit A); and

WHEREAS, the IFB 2015-10 offers were evaluated by GWA's review committee and GWA's review committee determined that the best offer for Anionic Polymer and Inorganic Coagulant ("ACH") (for sludge dewatering) was made by Total Chemical Resources, Inc; (see Exhibit B); and

WHEREAS, GWA's review committee also determined that the best offer for Cationic Polymer was made by JMI-Edison (See Exhibit C); and

WHEREAS,GWA accepted Total Chemical Resources, Inc.'s bid proposal (see Exhibit D) of $1.40/lb. for Anionic Polymer at an estimated annual cost of One Hundred Fifty Six Thousand Four Hundred Sixty Eight Dollars and Twenty Cents ($156,468.20), and for a three (3) year contract in the amount of Four Hundred Sixty Nine Thousand Four Hundred Four Dollars and Sixty Cents ($469,404.60) and for Inorganic Coagulant (ACH) at $1.06/lb. for an estimated annual cost of Eight Hundred Fifty One Thousand Seven Hundred Thirty Nine Dollars and Sixty-Eight Cents ($851,739.68), for a three (3) year contract in the amount of Two Million Five Hundred Fifty Five Thousand Two Hundred Nineteen Dollars and Forty Cents ($2,555,219.04), with a Grand Total to supply both Anionic Polymer and Inorganic Coagulant (ACH) for the Northern District WWTP and Hagatna WWTP is Three Million Twenty Four Thousand Six Hundred Twenty Three Dollars and Sixty-Four Cents ($3,024,623.64) as specified in IFB 2015-10; and

WHEREAS, GWA accepted JMI-Edison's bid proposal (Exhibit E) of $1.45/lb. for Cationic Polymer for an estimated annual cost of Two Hundred Thousand One Hundred Eighty Eight Dollars and Forty-Five Cents ($200,188.45), and for a three (3) year contract for a total amount of Six Hundred Thousand Five Hundred Sixty Five Dollars and Thirty-Five Cents

($600,565.35) to supply Cationic Polymer for the Northern District WWTP, Hagatna WWTP and Agat-Sta Rita WWTP for three (3) years as specified in GWA IFB 2015-10; and

WHEREAS, CCU approved the three (3) year contract with Total Chemical Resources in the amount of Three Million Twenty-Four Thousand Six Hundred Twenty-Three Dollars and Sixty-Four Cents ($3,024,623.64) for the chemicals Anionic Polymer and Inorganic Coagulant (ACH); and

WHEREAS, CCU approved the three (3) year contract with JMI-Edison in the amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the chemical Cationic Polymer; and

WHEREAS, the total amount expensed as of February 2018 is Two Million Eight Hundred Sixty-Four Thousand One Hundred Thirty-Three Dollars and Fourteen Cents ($2,864,133.14) for Anionic Polymer and Inorganic Coagulant and Three Hundred Sixty-Five Thousand Four Hundred Dollars ($365,400.00) for Cationic Polymer; and

WHEREAS, the amount required to purchase until the end of the contract for Anionic Polymer and Inorganic Coagulant, is One Hundred Eighty-Five Thousand Five Hundred Sixty Dollars and Eighty Cents ($185,560.80); and an additional amount of Three Hundred One Thousand One Hundred Seventy Dollars and Seventy-Five Cents ($301,170.75) for a 90-day chemical inventory which sums up to Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55). The new total amount for the three (3) year contract with Total Chemical will now be Three Million Five Hundred Eleven Thousand Three Hundred Fifty-Five Dollars and Nineteen Cents ($3,511,355.19); and

WHEREAS, the original approved amount of Six Hundred Thousand Five Hundred Sixty-Five Dollars and Thirty-Five Cents ($600,565.35) for the three (3) year contract with JMI is sufficient until the end of the contract period; and

WHEREAS, GWA seeks approval for an additional purchase of wastewater treatment chemicals Anionic Polymer and Inorganic Coagulant (ACH) in the total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55); and

WHEREAS, the source of funding for the additional chemical purchases will be FY2018 and FY2019 Wastewater Operations Budget; 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 to purchase additional Anionic Polymer in the amount of One Hundred Thousand Seventy-Seven Four Hundred Eighty-Five Dollars and Twenty-One Cents ($177,485.21) and Inorganic Coagulant (ACH) in the amount of Three Hundred Nine Thousand Two Hundred Forty-Six Dollars and Thirty-Four Cents ($309,246.34) with a total amount of Four Hundred Eighty-Six Thousand Seven Hundred Thirty-One Dollars and Fifty-Five Cents ($486,731.55) with Total Chemical Resources.
3. GWA Management is hereby authorized to seek PUC approval as required by Docket No. 00-04.

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

DULY AND REGULARLY ADOPTED, this 27th day of March, 2018.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

SECRETARY'S CERTIFICATE

I, J. George Bamba, 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

GUAM WATERWORKS AUTHORITY

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

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-10
Ref: Wastewater Treatment Chemicals

Invitation for Bid No: GWA 2015-10 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on September 24, 2015 and open as scheduled on October 15, 2015 @ 10:00am twenty (20) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Total Chemical Resources, Inc.
2. Canton Construction Corp.
3. DSGDSFG
4. HDR
5. JMI-Edison
6. Island Equipment Co.
7. M.D. Wholesale
8. Bei Hawaii
9. Carus Corp.
10. Monhar Construction.
11. VMB Trading Co.
12. Sai Machinery LLC.
13. Culligan Pacific
14. Student Construction
15. Guam Pacific Enterprise.
16. America's Best Electricmart
17. Gulbrandsen Technologies
18. SS
19. D. Mullis Insurance
20. Polydyne Inc.

Of the twenty (20) only two (2) submitted their bid package namely:

- Total Chemical Resource
- JMI-Edison

An evaluation committee was formally assembled and met on October 22, 2015 @ 11:00am in GPWA conference room 1st floor to review/discuss and evaluate the bid.

Committee members consist of:

- Antonio Camacho
- Paul Kemp
- Dan Aguon
- Dave Fletcher

The committee members reviewed the bid proposals and have determined both prospective bidders Total Chemical and JMI-Edison respectfully submitted a reasonable and fair cost and is awarded based on the lowest annual cost as specified in the IFB, as follows:

Total Chemical to be awarded as follows:

Item No. 1: Inorganic Coagulant,
Price per pound delivered CIF: **$1.06**
Product Label Name: **Achieve D1012 ACH Powder**

$1.06 X 803,528. =$851,739.68 (Annual Cost)

Item No. 2: Coagulant Aid (e. g. anionic polymer)
Price per pound delivered CIF: **$1.40**
Product Label Name: Nalclear 7767 Anionic Flocculant

$1.40 x 111,763= $156,468.20 (Annual Cost)

JMI Edison to be awarded as follows:

Item No. 3: Cationic Polymer
Price per pound delivered CIF: **$1.45**
Product Label Name: **Hydrex 6402 Cationic Emulsion Polymers**

$1.45 x 138,061 = $200,188.45 (Annual Cost)

After a thorough evaluation the committee members agreed to and accept the submitted bid offers from both Total Chemical Resources and JMI Edison and have been determined they respectfully complied with all specifications and requirements set forth in this IFB. In closing, the committee members respectfully request your approval to proceed with the award.

Bid Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. **The quantities reflected in the bid are estimated requirements only and not guaranteed minimums.**

Delivery:

The vendor will be responsible for all cost and all risks associated with the provision of these goods until delivery is made and the items are formally accepted by GWA. All goods shall be delivered in its manufacturer's original factory sealed containers to Guam Waterworks Authority Northern District Wastewater Treatment Plant and Hagatna Wastewater Treatment Plants. Delivery time is 60 days from the date on the Notice to Proceed.

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 and which shall in all cases incorporate the terms of this bid whether stated on the Purchase Order or not, which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is for three (3) years fixed price term with option to renew for additional two (2) one (1) year term, all prices shall be fixed for the initial one (1) year term. All purchases are subject to availability of funds.

Concurred and accepted by the committee members:

Paul Kemp, Assistant General Manager Compliance & Safety

Dan Aguon, Wastewater Plant Superintendent

Dave Fletcher, Operations and Maintenance Manager

Antonio Camacho, Buyer II Procurement

Your approval is greatly appreciated.

Peter Salas

REF: IFB 2015-10 Wastewater Treatment Chemicals

Note: Fund Certification form reviewed, signed and approved dated on Sept 10, 2015
GL Account Number: 7003.71802.430 (Estimated cost: $1,534,307.00 - Pending approval of FY 2016 budget.)

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

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

10/5/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

GUAM WATERWORKS AUTHORITY

Guam Waterworks Authority
P. O. Box 3010
Hagatna, Guam, 96932
BID ABSTRACT

IFB GWA 2015-10
FOR: WW TREATMENT CHEM.
OPENING DATE: OCT. 15, 2015
OPENING TIME: 10:00 AM

BIDDERS	ITEM #	VENDOR 1	VENDOR 2	VENDOR 3	VENDOR 4
Vendor #1 JMI EDISON	1.0	JMI EDISON	TOTAL CHEMICAL RESOURCES	NO BID SUBMITTAL	NO BID SUBMITTAL
Bid Guarantee: [ ]Cashier's Check or Certified Check $		DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT	DESCRIPTION / PRODUCT
[ ]Letter of Credit $_____[ ]Bid/Performance Bond 15%		INORGANIC COAGULANT / ALUMINUM CHLOROHYDRATE	INORGANIC COAGULANT ACH POWDER (ACHIEVE D1872)	INORGANIC COAGULANT /	INORGANIC COAGULANT /
[ ]Surety Bond: Current Cert. of Auth.*Power of Attorney*		PRICE PER POUND DELIVERED CIF: $ 1.45 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.05 PER POUND	TIME OF FIRST DELIVERY: 90 DAYS
[ ]Non-Collusion Affidavit					
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature		MFG: SUMMIT RESEARCH LABS	MFG: GEOSTECH TECHNOLOGIES	MFG:	MFG:
[ ]Affidavit of Disclosure of Major Shareholdership		BRAND: SUMALCHLOR 200	BRAND: ACHIEVE D1812 ACH POWDER	BRAND:	BRAND:
[ ]Certification of Non-Employment of Convicted Sexual Offenders		PLACE OF ORIGIN: U.S.A.	PLACE OF ORIGIN: GUAM, GUAM	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ]CD Provided					
Vendor #2 TOTAL CHEMICAL RESOURCES	2.0	DESCRIPTION / PRODUCT: COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT: COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT: COAGULANT AID (e.g. anionic polymer)	DESCRIPTION / PRODUCT: COAGULANT AID (e.g. anionic polymer)
Bid Guarantee: [ ]Cashier's Check or Certified Check $		PRICE PER POUND DELIVERED CIF: $ 1.29 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.40 PER POUND	TIME OF FIRST DELIVERY: 45 DAYS
[ ]Letter of Credit $_____[ ]Bid/Performance Bond 15%					
[ ]Surety Bond: Current Cert. of Auth.*Power of Attorney*		MFG: Veolia Water Solutions & Technologies	MFG: HALOCARBON PRODUCTS CORP.	MFG:	MFG:
[ ]Non-Collusion Affidavit		BRAND: Hydrex 8104 Anionic Polymers	BRAND: HALOCLEAR 7525 ANIONIC FLOCCULANT	BRAND:	BRAND:
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature		PLACE OF ORIGIN: KOREA	PLACE OF ORIGIN: HAVERHILL, MASSACHUSETTS, USA	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ]Affidavit of Disclosure of Major Shareholdership		DATE OF DELIVERY: AS PER GWA REQUIREMENTS	DATE OF DELIVERY: 30 DAYS	DATE OF DELIVERY:	DATE OF DELIVERY:
[ ]Certification of Non-Employment of Convicted Sexual Offenders					
[ ]CD Provided					
Vendor #3 NO BID SUBMITTAL	3.0	DESCRIPTION / PRODUCT: CATIONIC POLYMER	DESCRIPTION / PRODUCT: CATIONIC POLYMER	DESCRIPTION / PRODUCT: CATIONIC POLYMER	DESCRIPTION / PRODUCT: CATIONIC POLYMER
Bid Guarantee: [ ]Cashier's Check or Certified Check $		PRICE PER POUND DELIVERED CIF: $ 1.45 PER POUND	TIME OF FIRST DELIVERY: AS PER GWA REQUIREMENTS	PRICE PER POUND DELIVERED CIF: $ 1.25 PER POUND	TIME OF FIRST DELIVERY: 45 DAYS
[ ]Letter of Credit $_____[ ] Bid/Performance Bond 15%					
[ ]Surety Bond: Current Cert. of Auth.*Power of Attorney*		MFG: Veolia Water Solutions & Technologies	MFG: HALLSTAR INDUSTRIAL COMPANY	MFG:	MFG:
[ ]Non-Collusion Affidavit		BRAND: Hydrex 8104 Anionic Polymers	BRAND: HYDREX 7104 CATIONIC	BRAND:	BRAND:
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature		PLACE OF ORIGIN: KOREA	PLACE OF ORIGIN: HAVERHILL, MASSACHUSETTS, USA	PLACE OF ORIGIN:	PLACE OF ORIGIN:
[ ]Affidavit of Disclosure of Major Shareholdership		DATE OF DELIVERY: AS PER GWA REQUIREMENTS	DATE OF DELIVERY: 30 DAYS	DATE OF DELIVERY:	DATE OF DELIVERY:
[ ]Certification of Non-Employment of Convicted Sexual Offenders					
[ ]CD Provided					
Vendor #4 NO BID SUBMITTAL					
Bid Guarantee: [ ]Cashier's Check or Certified Check $					
[ ]Letter of Credit $_____[ ] Bid/Performance Bond 15 %					
[ ]Surety Bond: Current Cert. of Auth.*Power of Attorney*					
[ ]Non-Collusion Affidavit					
[ ]Statement of Qualifications [ ] Samples [ ] Brochures/Literature					
[ ]Affidavit of Disclosure of Major Shareholdership					
[ ]Certification of Non-Employment of Convicted Sexual Offenders					
[ ]CD Provided					

Tabulated By: _____ Date: 10/15/15

Bids Recommended for Award
[ ] Lowest Responsive Bidder
[ ] Tie Bid
[ ] Only Bid
[ ] Other Than Lowest Responsive Bidder

Doc. No. 34GL-18-1707.*

TOTAL CHEMICAL

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.08 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville Illinois U.S.A

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

10/14/15
Jerry A. Flores — Date
Chief Financial Officer
Total Chemical Resources, Inc.

JMI EDISON

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

GUAM WATERWORKS AUTHORITY

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

PRIORITY

GWA FINANCE & ACCOUNTING ADMINISTRATIVE OFFICE
RECEIVED BY:
SEP 03 2015
BY:

9/8/15
2:42 pm

REVIEW FORM

This **IFB 2015-10 / Wastewater Treatment Chemicals** will be acquired by means of competitive bid process through GWA Procurement Office. Below are the following divisions who concurred and agree to proceed.

Requested by: _____ Print/sign Date: 09/03/2015

Concurred By:

Supply Management Admin: _____ Print/sign Date: 9/3/2015

Review by Budget: GREG CRUZ Print/sign Date: 9.14.15

Pending approval of FY 2016 Budget

7003.71802.430

GUAM WATERWORKS AUTHORITY
BUDGET OFFICE
BUDGET OFFICER

Estimated cost: $ FY16 - 1,534,307.00

DATE 9/10/15 TIME _____

FY 2015 Budget - No Balance
FY 2016 Budget - Approval Pending
Proposed Paid for FY16 Only

EXHIBIT B

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Glen Canovas
Total Chemical Resources Inc.
P.O. Box 20730
Barrigada, Guam 96921
Tel. No: 646-4742
Fax No: 649-0447

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

Hafa Adai,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by Total Chemicals Resource for the above described reference in response to its Advertisement for Bids dated September 24, 2015 and you are hereby notified that the bid cost for Item No. 1: Inorganic Coagulant and Item No. 2: Coagulant Aid (Anionic Polymer) 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.

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

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB 2015-10 is hereby acknowledged

By: _____ Title: JERRY A. FLORES - C.F.O.
Signature (please print)

Dated this 3rd day of NOVEMBER, 2015.

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

EXHIBIT C

GUAM WATERWORKS AUTHORITY

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

NOTICE OF CONDITIONAL AWARD

Date 11/03/2015

Mr. Jeff Paeste
JMI-Edison
125 North Marine Corps. Dr.
Tamuning, Guam 96913
Tel No: 646-6400
Fax No: 649-4835

Re: Invitation for Bid Number: IFB 2015-10 Wastewater Treatment Chemicals

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 September 24, 2015 and you are hereby notified that the bid cost for Item No.3 Cationic Polymer 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.

/

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

Sincerely,

Mark Miller.
General Manager (Interim)

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receipt of the above Notice of Conditional Award for GWA IFB.2015-10 is hereby acknowledged

By: _____ Title: Operations Manager
Signature (please print)

Dated this 3rd day of November, 2015.

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

EXHIBIT D

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product ACH Powder (ACHIEVE D1012) **Price per pound delivered CIF** $ 1.06 per pound

Manufacturer: GULBRANDSEN Technologies (India) Pvt. Inc.

Product Label Name: ACHIEVE D1012 ACH POWDER

Place of Origin: Gujarat, India

Time of first Delivery: 90 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid** (e. g. anionic polymer) **Price per pound delivered CIF** $ 1.40 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: NALCLEAR 7767 Anionic Flocculant

Place of Origin: Naperville, Illinois U.S.A>

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $ 1.75 per pound

Manufacturer: NALCO An Ecolab Company

Product Label Name: OPTIMER 7194 Cationic Flocculant

Place of Origin: Naperville, Illinois U.S.A.

Time of first Delivery: 45 days (days)
After Receipt of Purchase Order

Reorder lead time: 30 days (days)
Upon Receipt of Purchase Order

15

10/14/15
Date

Jerry A. Flores
Chief Financial Officer
Total Chemical Resources, Inc.

EXHIBIT E

BID FORM FOR CHEMICALS FOR GWA'S NDWWTP AND HWWTP
(TO BE PLACED IN A SEALED ENVELOPE AND DELIVERED WITH TECHNICAL PROPOSAL)

1. **Inorganic Coagulant,**

Product Aluminum Chlorohydrate **Price per pound delivered CIF** $1.42 per pound

Manufacturer: Summit Research Labs

Product Label Name: Sumalchlor 200

Place of Origin: U.S.A.

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

2. **Coagulant Aid (e. g. anionic polymer) Price per pound delivered CIF** $1.29 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6104 Anionic Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order

3. **Cationic Polymer** **Price per pound delivered CIF** $1.45 per pound

Manufacturer: Veolia Water Treatment Technologies

Product Label Name: HYDREX 6402 Cationic Emulsion Polymers

Place of Origin: Korea

Time of first Delivery: As Per GWA Requirements (days)
After Receipt of Purchase Order

Reorder lead time: As Per GWA Requirements (days)
Upon Receipt of Purchase Order