



CONSOLIDATED COMMISSION ON UTILITIES

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

GUAM WATERWORKS AUTHORITY WORK SESSION

*CCU Conference Room
4:30 p.m., April 17, 2018*

AGENDA

1. ISSUES FOR DECISION

1.1 Relative to Approval of Change Order Work and Increase in Project Funding for Construction Management Services for the Rehabilitation of GWA Wells (D-03, D-17, D-18, D-22, M-09) Project W11-008-BDN / Resolution No. 26-FY2018

2. GM REPORT

2.1 Updates

3. ISSUES FOR DISCUSSION

4. DIVISION REPORTS

- 4.1 Communications**
- 4.2 Compliance & Safety**
- 4.3 Customer Service**
- 4.4 Engineering**
- 4.5 Finance**
- 4.6 Operations**

5. ANNOUNCEMENTS

5.1 Next CCU Meetings: GPA Work Session: 4/19/18; CCU Meeting: 4/20/18

6. ADJOURNMENT



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. 26-FY2018

Relative to Approval of Change Order No. 4 Work and an Increase in Project Funding for Construction Management Services for the Rehabilitation of GWA Wells (D-03, D-17, D-18, D-22, and M-09) Project W11-008-BDN

What are the project's objectives of the proposed changes and are they necessary and urgent? The objective of Change Order No. 4, is to extend the duration of the Construction Management (CM) services. There have been unexpected issues during well commissioning with respect to the developed well pump capacity, drive and control issues and equipment repairs that have extended the completion of the Contractor's work. The CM's input is necessary to monitor the contractor's work until the project is complete. Additional funding is needed for Change Order No. 4 to manage the construction, on a time and materials basis.

Where is the project located?

This project is located at Groundwater Wells D-03, D-17, D-18, D-22, and M-09 within the villages of Dededo and Mangilao. Construction activities will be limited to the property boundaries of the well sites.

How much will it cost?

The original funding authorization for the CM Services was Seven Hundred Forty-Nine Thousand One Hundred Eighty-Four Dollars (\$749,184.00), plus a ten percent (10%) contingency of Seventy-Four Thousand Nine Hundred Eighteen Dollars and Forty Cents (\$74,918.40). GWA management executed two change orders via the 10% contingency in the amount of Seventy-Four Thousand Seven Hundred Ninety-Six Dollars and Thirty-Two Cents (\$74,796.32) and further sought CCU approval for Change Order No. 3 in the amount of One Hundred Nineteen Thousand Three Hundred Eighty-One Dollars (\$119,381.00). The proposed Change Order No. 4 is in the amount of Ninety-Eight Thousand Two Hundred Twenty-Two and Zero cents (\$98,222.00) which will bring the total authorized funding amount to a maximum of One Million Forty-One Thousand Five Hundred Eighty-Three dollars and Thirty-Two cents (\$1,041,583.32).

When will it be completed?

The project is scheduled to be substantially completed for four of the wells by end of May 2018 with final project completion by August 2018.

What is the funding source?

The funding for this project will be from USEPA Grant and, if necessary, GWA Bond Funds with a maximum project budget of One Million Forty-One Thousand Five Hundred Eighty-Three Dollars and Thirty-Two Cents (\$1,041,583.32).



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

RESOLUTION NO. 26-FY2018

**RELATIVE TO APPROVAL OF CHANGE ORDER NO. 4 WORK AND AN INCREASE
IN PROJECT FUNDING FOR CONSTRUCTION MANAGEMENT SERVICES FOR
THE REHABILITATION OF GWA WELLS (D-03, D-17, D-18, D-22, AND M-09)
PROJECT W11-008-BDN**

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 received a grant from the United States Environmental Protection Agency (“USEPA”) under the State Revolving Fund (“SRF”) program to repair and rehabilitate the water and wastewater system infrastructure; and

WHEREAS, GWA has a number of important USEPA SRF projects including the rehabilitation, repair, or replacement of groundwater wells D-03, D-17, D-18, D-22, and M-09, which have been inoperable for a significant amount of time; and

WHEREAS, on December 30, 2015, GWA entered into a contract with EA Engineering, Science and Technology, Inc., PBC (EA) to perform the Construction Management (CM) Services for the Rehabilitation of GWA Wells D-03, D-17, D-18, D-22, and M-09 project; and

WHEREAS, on August 22, 2016, GWA awarded the construction contract for the Island-wide Well Site Rehabilitation (D-03, D-17, D-18, D-22, and M-09) to Pacific Rim Corporation with a completion date of August 22, 2017, but extended the completion date to

1 November 25, 2017 due to capacity issues with some initial wells that required re-drilling and
2 changes that were required for the electrical systems; and
3

4 **WHEREAS**, on November 25, 2017, GWA extended the construction contract for the
5 Island-wide Well Site Rehabilitation (D-03, D-17, D-18, D-22, and M-09) to January 19, 2018,
6 to allow extra time for the completion of the associated wells due to revised permits, additional
7 GPA requirements, and issues associated with isolation of and connection to the watermain; and
8

9 **WHEREAS**, since January 19, 2018 the contractor has been submitting claims of further
10 delays which GWA's project Manager and Construction Manager have been sorting out and
11 which may result in the construction contract period being extended; and
12

13 **WHEREAS**, one significant problem experienced on the project was the final capacity
14 achievable at well D-03 that was significantly lower than expected based on the pilot well tests
15 which required additional time to review the well development process and determine
16 appropriate action to complete the well construction; and
17

18 **WHEREAS**, other complications discovered at startup and commissioning of the
19 associated wells, including issues with the Variable Frequency Drives (VFD), chlorination
20 systems, level sensors, has caused all parties to verify deliverable requirements and timelines;
21 and
22

23 **WHEREAS**, due to the projected end of the construction period to resolve all issues
24 noted above, GWA requested a proposal from EA to extend their CM contract to a new
25 completion date of August 31, 2018 and received a final proposal from EA on March 19, 2018,
26 in the amount of Ninety-Eight Thousand Two Hundred Twenty-Two Dollars (\$98,222.00) on a
27 Time and Materials basis (SEE EXHIBIT A); and
28

29 **WHEREAS**, GWA along with Brown and Caldwell reviewed the proposal and
30 determined the proposal as fair and reasonable; and
31
32

WHEREAS, GWA has discussed the proposal with the USEPA (the funding agency for this project) and received the USEPA's support to use the SRF grant to fund CM contract extension for the Island-wide Well Site Rehabilitation project; and

WHEREAS, CCU approved the original contract value for this project in the amount of Seven Hundred Forty-Nine Thousand One Hundred Eighty-Four Dollars (\$749,184.00), plus a ten percent (10%) contingency of Seventy-Four Thousand Nine Hundred Eighteen Dollars and Forty Cents (\$74,918.40), which brings the total authorized funding amount to a maximum of Eight Hundred Twenty-Four Thousand One Hundred Two Dollars and Forty Cents (\$824,102.40); and

WHEREAS, GWA management executed via the 10% contingency two change Orders in the amount of Seventy Four Thousand Seven Hundred Ninety Six Dollars and Thirty Two Cents (\$74,796.32), then further sought and received approval from the CCU via Resolution 06-FY2018 that approved Change Order No. 3 for One Hundred Nineteen Thousand Three Hundred Eighty One Dollars (\$119,381.00) that brought the total contract value to Nine Hundred Forty Three Thousand Three Hundred Sixty One Dollars and Thirty-Two Cents (\$943,361.32); and

WHEREAS, GWA Management further seeks CCU approval of the proposed Change Order No. 4 to proceed with the CM contract extension in the amount of Ninety-Eight Thousand Two Hundred Twenty-Two Dollars (\$98,222.00); and

WHEREAS, funding for the change order work will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds and will bring the total budget for the entire project to One Million Forty-One Thousand Five Hundred Eighty-Three Dollars and Thirty-Two Cents (\$1,041,583.32); and

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

1. The recitals set forth above hereby constitute the findings of the CCU.

2. The CCU finds that the terms of the fee proposal submitted by EA Engineering, Science and Technology, Inc., PBC (EA) are fair and reasonable.
3. The CCU hereby authorizes the management of GWA to approve Change Order No. 4 in the amount of Ninety-Eight Thousand Two Hundred Twenty-Two Dollars (\$98,222.00).
4. The CCU hereby further approves increasing the total funding amount for this project to a maximum of One Million Forty-One Thousand Five Hundred Eighty-Three Dollars and Thirty-Two Cents (\$1,041,583.32).
5. The CCU hereby further approves GWA management informing the PUC of the fact that the contract value for the CM services, which is intended to be fully funded by USEPA State Revolving Funds, will be greater than One Million Dollars (\$1,000,000.00).

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

DULY AND REGULARLY ADOPTED, this 20th day of April 2018.

Certified by:

Attested by:

JOSEPH T. DUENAS
Chairperson

J. GEORGE BAMBA
Secretary

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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 (1 of 5)



EA Engineering, Science, and Technology, Inc., PBC

1001 Army Drive, Suite 103
Barrigada, Guam 96913
Telephone: 671-646-5231

Fax: 671-646-5230
www.eaest.com

Date: March 19, 2018

To: Mr. Miguel C. Bordallo, PE
Guam Waterworks Authority
Engineering Division, Room 202
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, GU 96913

Delivered via email

RE: CHANGE ORDER No. 004 to Extend Construction Management Services from
November 25, 2017 to August 31, 2018.
GWA Project No. W11-008-BND

Mr. Bordallo:

EA Engineering, Science, and Technology, Inc., PBC (EA) hereby submits Change Order (CO) No. 004 for GWA Project No. PW W11-008-BND for your review and approval. This CO will extend construction management services from the current completion date of November 25, 2017 to August 31, 2018 on a time and materials cost up to \$98,222. This cost estimate also includes; re-obligating the engineer of record (EOR) to complete CADD as-built drawings and a final inspection by the Project electrical consultant.

This time extension is needed to address the following conditions needed to complete the Project and ensure proper commissioning of the wells:

- Acquisition and installation of the appropriate variable frequency drives to replace the undersized units currently in use.
- Troubleshooting and repairs for each chlorination system, including parts replacement.
- Submission of all warranties and manuals
- Pending punch list items
- Level sensor functionality
- Replacement of power supply cable for well M-9
- Spare parts hand-off
- Equipment training
- Commissioning of wells D-17, D-18 and D-22

EOR services are complete with the exception of the as-built drawings. This work was de-obligated to utilize existing funding for management costs incurred as a result of the extended Project schedule. The closeout and post-construction services authorized per the original contract remain unchanged.

Exhibit A (2 of 5)



EA Engineering, Science, and Technology, Inc., PBC

1001 Army Drive, Suite 103
Barrigada, Guam 96913
Telephone: 671-646-5231

Fax: 671-646-5230
www.eaest.com

EA estimates that this project will be substantially complete by August 31, 2018. The timeline of this CO is driven by equipment lead times and associated installations. The opinion of probable cost and the estimated staff utilization are presented in Attachment A and B, respectively. Periods of low utilization reflect the anticipated equipment lead times and periods of minimal construction activity.

Please do not hesitate to contact me if you have any questions or comments regarding this CO at jjaskowiak@eaest.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Jaskowiak', is positioned above the typed name.

Jason Jaskowiak, P.E. (*New York*)
Owner's Representative
EA Engineering, Science, and Technology, Inc.,
PBC

Attachments:

Cost Estimate
Utilization Estimate

cc:

Kurt Bilz, BC
George Watson, BC
Matthew Bowman, EA
Richard Price, EA
Shelly Rice, EA
File

Exhibit A (3 of 5)

Attachment A

COST PROPOSAL

(1) DIRECT LABOR COSTS

| STAFF | CLASSIFICATION | Units | Rate | Project Controls (Project Troubleshooting and Closeout) | | Construction Inspection (Drill through D-03) | | TOTAL | |
|--------------------------|--------------------------------|-------|-------|--|--------------------|--|---------------|-------|--------------------|
| | | | | No. | Amount | No. | Amount | No. | Amount |
| J. Jaskowiak | Construction Manager | Hour | \$151 | 385 | \$58,058.00 | 0 | \$0.00 | 385 | \$58,058.00 |
| B. Shambach | Deputy Construction Manager | Hour | \$156 | 24 | \$3,744.00 | 0 | \$0.00 | 24 | \$3,744.00 |
| T. Chargualaf | Construction Field Coordinator | Hour | \$88 | 54 | \$4,773.60 | 0 | \$0.00 | 54 | \$4,773.60 |
| M. Heppe | Administration | Hour | \$121 | 40 | \$4,836.00 | 0 | \$0.00 | 40 | \$4,836.00 |
| M. Dina | Procurement Administrator | Hour | \$175 | 9 | \$1,577.19 | 0 | \$0.00 | 9 | \$1,577.19 |
| R. Price | Principal | Hour | \$208 | 8 | \$1,664.00 | 0 | \$0.00 | 8 | \$1,664.00 |
| C. Brown | Program Manager | Hour | \$172 | 13 | \$2,230.80 | 0 | \$0.00 | 13 | \$2,230.80 |
| M. Bowman | Construction Quality Engineer | Hour | \$187 | 10 | \$1,872.00 | 0 | \$0.00 | 10 | \$1,872.00 |
| TOTAL LABOR COSTS | | | | | \$78,755.59 | | \$0.00 | | \$78,755.59 |

(2) OTHER DIRECT COSTS

| OTHER DIRECT COSTS | | Units | Rate | No. | Amount | No. | Amount | No. | Amount |
|---|-----|-------|-------------|-----|---------------|-----|--------------------|-----|--------------------|
| 1. Equipment and Supplies Usage | | | | | | | | | |
| Vehicle | | mo | \$848.89 | | \$0.00 | 0 | \$0.00 | 0 | \$0.00 |
| Mileage | | ea | \$0.26 | | \$0.00 | 0 | \$0.00 | 0 | \$0.00 |
| Procure CM Software | | year | \$5,500.00 | | \$0.00 | 0 | \$0.00 | 0 | \$0.00 |
| Total Equipment and Supplies Usage | | | | | \$0.00 | | \$0.00 | | \$0.00 |
| 2. Travel and Per Diem Costs | | | | | | | | | |
| Airfare | | ea | \$2,500.00 | 0 | \$0.00 | | \$0.00 | 0 | \$0.00 |
| Lodging | | mo | \$2,232.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 |
| Total Travel and Per Diem | | | | | \$0.00 | | \$0.00 | | \$0.00 |
| 3. Subcontractor Costs | | | | | | | | | |
| See subcontractor detail for breakdown | T&M | | \$18,058.00 | | \$0.00 | | \$18,058.00 | | \$18,058.00 |
| Total Subcontractors | | | | | \$0.00 | | \$18,058.00 | | \$18,058.00 |
| G&A Applied to Subcontractor Costs and ODCs | | | 7.80% | | \$0.00 | | \$1,408.52 | | \$1,408.52 |
| Fee Applied to Subcontractor Costs and ODCs | | | 0.00% | | \$0.00 | | \$0.00 | | \$0.00 |
| TOTAL OTHER DIRECT COSTS | | | | | \$0.00 | | \$19,466.52 | | \$19,466.52 |

(3) TOTAL COST

| | | | |
|-------------------|-----------------|-----------------|-----------------|
| TOTAL COST | \$78,756 | \$19,467 | \$98,222 |
|-------------------|-----------------|-----------------|-----------------|

Exhibit A (4 of 5)

SUBCONTRACTOR COST PROPOSAL

| (1) SUBCONTRACTOR DIRECT LABOR COSTS | | | | Project Controls (Project Troubleshooting and Closeout) | | TOTAL | |
|--------------------------------------|----------------|-------|------|--|--------|-------|--------|
| STAFF | CLASSIFICATION | Units | Rate | No. | Amount | No. | Amount |
| TOTAL LABOR COSTS | | | | | \$0.00 | | \$0.00 |

(2) SUBCONTRACTOR OTHER DIRECT COSTS

| SUBCONTRACTOR COSTS | Units | Rate | No. | Amount | No. | Amount |
|------------------------------------|-------|-------------|-----|-------------|-----|-------------|
| 1. Equipment and Supplies Usage | | | | | | |
| Stanley - Includes 10% fee | T&M | \$1,400.00 | 1 | \$1,400.00 | 1 | \$1,400.00 |
| GHD - Reobligation | T&M | \$16,658.00 | 1 | \$16,658.00 | 1 | \$16,658.00 |
| Total Equipment and Supplies Usage | | | | \$18,058.00 | | \$18,058.00 |
| 2. Travel and Per Diem Costs | | | | | | |
| Total Travel and Per Diem | | | | \$0.00 | | \$0.00 |
| TOTAL OTHER DIRECT COSTS | | | | \$18,058.00 | | \$18,058.00 |

(3) TOTAL COST

| | | |
|---|-------------|-------------|
| Subtotal Labor, Other Direct Costs, NOT Including G&A and Fee | \$18,058.00 | \$18,058.00 |
|---|-------------|-------------|

Exhibit A (5 of 5)

Attachment B**Utilization**

| Utilization Assumptions | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Construction Manager | 75% | 35% | 50% | 30% | 10% | 10% | 30% | 30% |
| J.Jaskowiak | | | | | | | | |
| Deputy Construction Manager | 10% | 0% | 5% | 0% | 0% | 0% | 0% | 5% |
| B. Shambach | | | | | | | | |
| Construction Field Coordinator | 5% | 10% | 10% | 5% | 0% | 0% | 0% | 5% |
| T. Chargualaf | | | | | | | | |
| Administration | 15% | 5% | 3% | 0% | 0% | 0% | 0% | 10% |
| M. Heppe | | | | | | | | |
| Procurement Administrator | 1% | 0% | 0% | 0% | 0% | 0% | 0% | 5% |
| P. Occhiogrosso | | | | | | | | |
| Principal | 2% | 1% | 1% | 0% | 0% | 0% | 1% | 1% |
| R. Price | | | | | | | | |
| Program Manager | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |
| C. Brown | | | | | | | | |
| Construction Quality Engineer | 3% | 2% | 1% | 0% | 0% | 0% | 1% | 1% |
| M. Bowman/K. Lindsey | | | | | | | | |



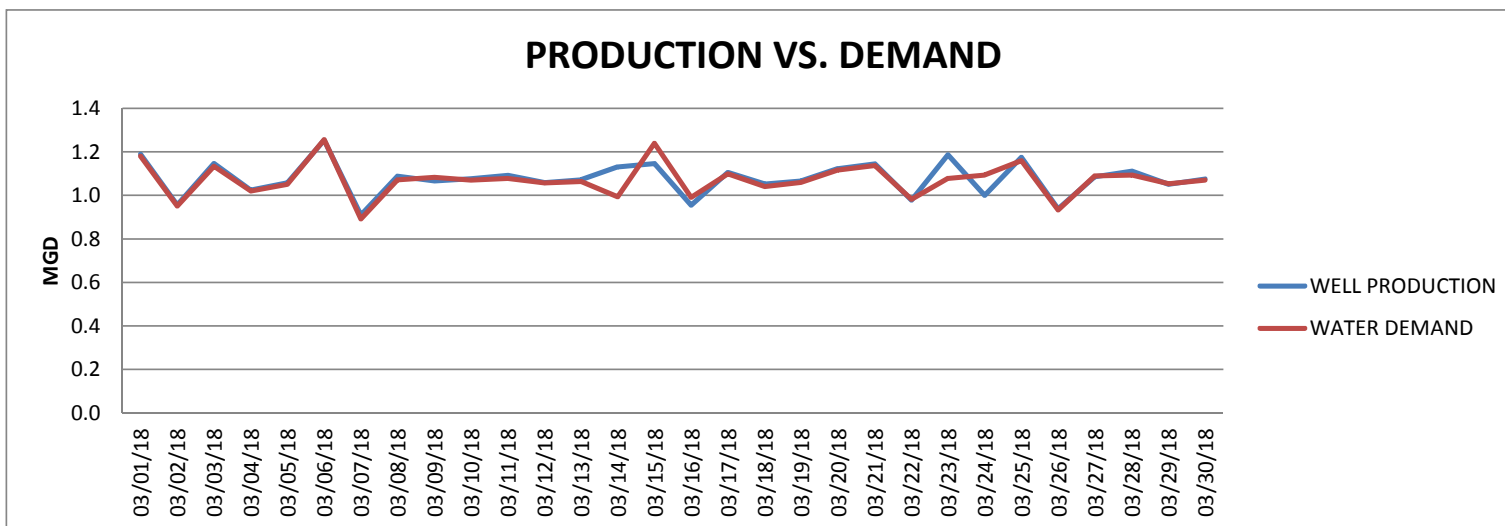
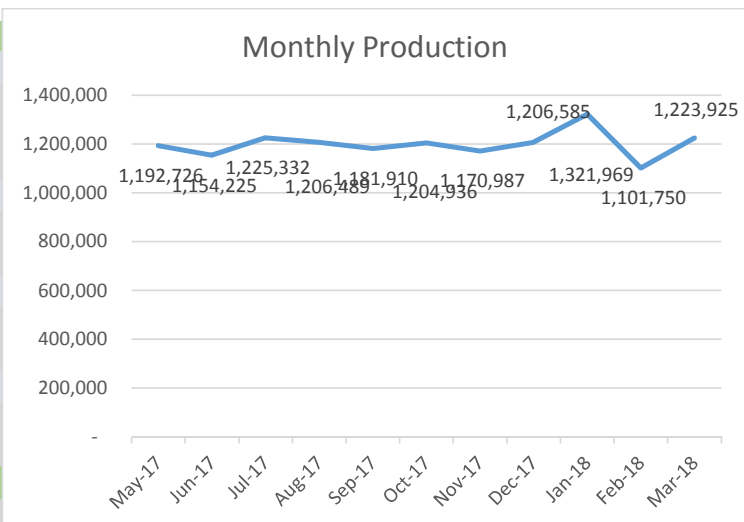
General Manager's Report

GWA Work Session, April 17, 2018

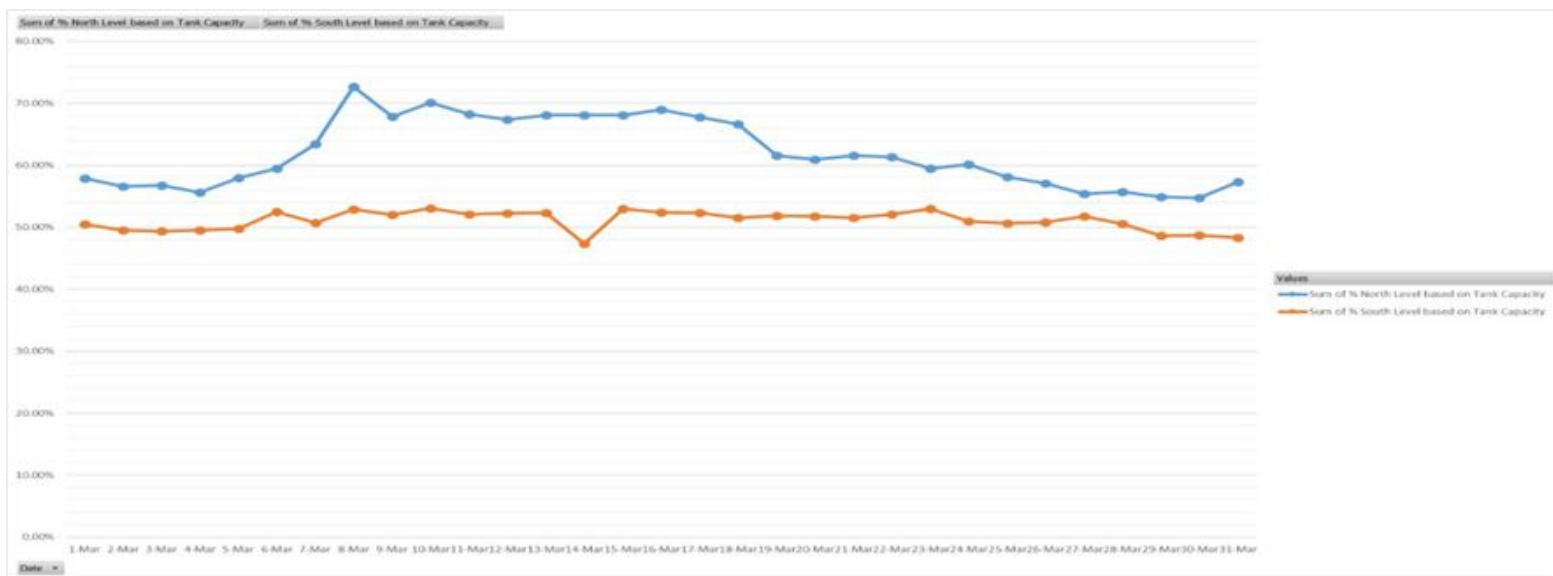
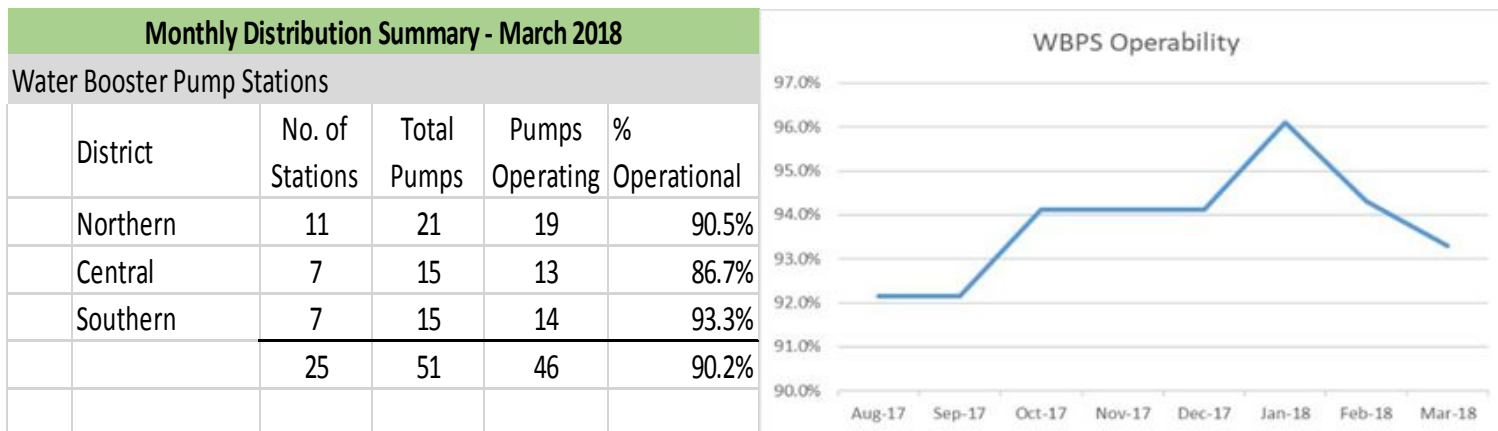
Operations Update

Production

| Monthly Production Summary - March 2018 | | | | |
|---|-----------------|--------------------|----------|--|
| Deep Wells | | 36.2 MGD | | |
| Active wells = | 97 of 120 | | | |
| Avg days in operation = | 31.00 days | | | |
| Total Production = | 1,121,415 Kgals | | | |
| Springs | | 0.00 MGD | | |
| Avg days in operation = | 0 days | *placed on standby | | |
| Total Production = | 0 Kgals | | | |
| Ugum Surface Water Plant | | 2.2 MGD | | |
| Avg days in operation = | 31 days | | | |
| Total Production = | 69,014 Kgals | | | |
| Tumon Maui Well | | 1.08 MGD | | |
| Avg days in operation = | 31 days | | | |
| Total Production = | 33,496 Kgals | | | |
| | | 1,223,925 Kgals | 39.5 MGD | |

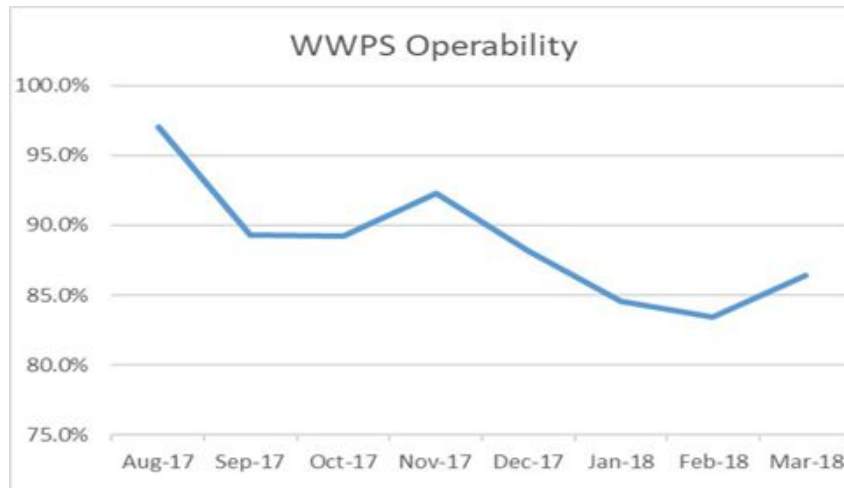


Distribution



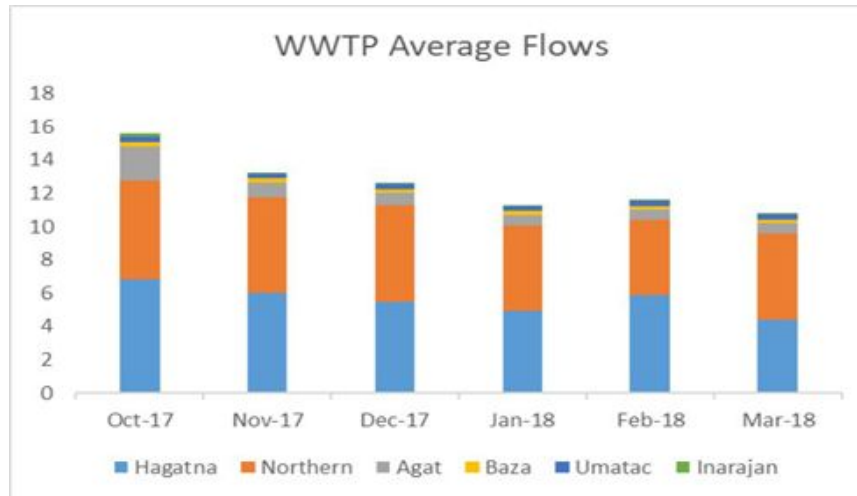
Wastewater Collections

| Monthly Collections Summary - March 2018 | | | | | |
|--|----------|-----------------|-------------|-----------------|---------------|
| Wastewater Pump Stations | | | | | |
| | District | No. of Stations | Total Pumps | Pumps Operating | % Operational |
| | Northern | 22 | 52 | 48 | 92.3% |
| | Central | 29 | 63 | 55 | 87.3% |
| | Southern | 27 | 54 | 43 | 79.6% |
| | | 78 | 169 | 146 | 86.4% |
| | | | | | |

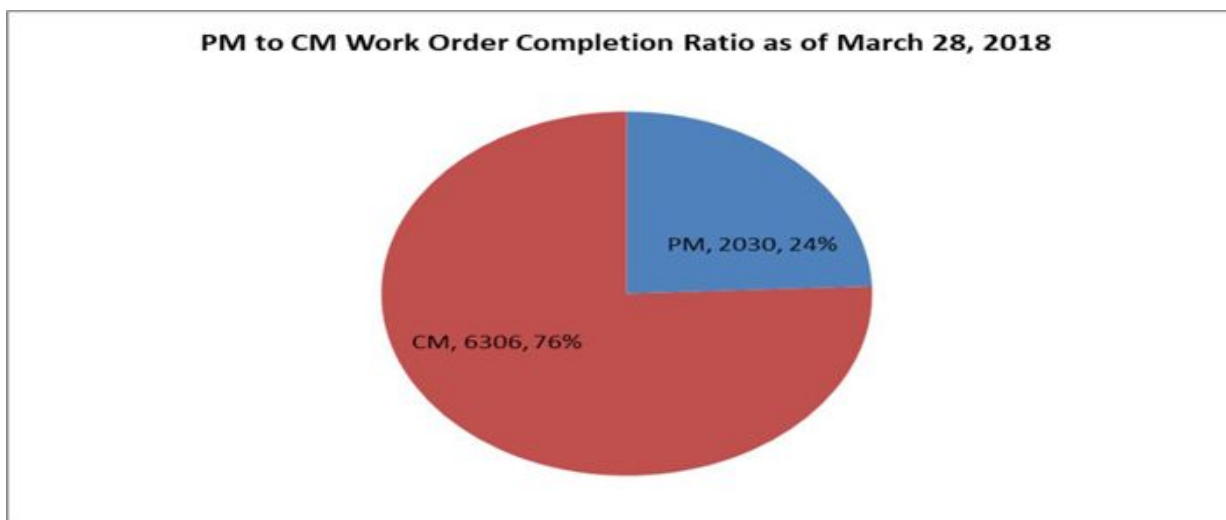
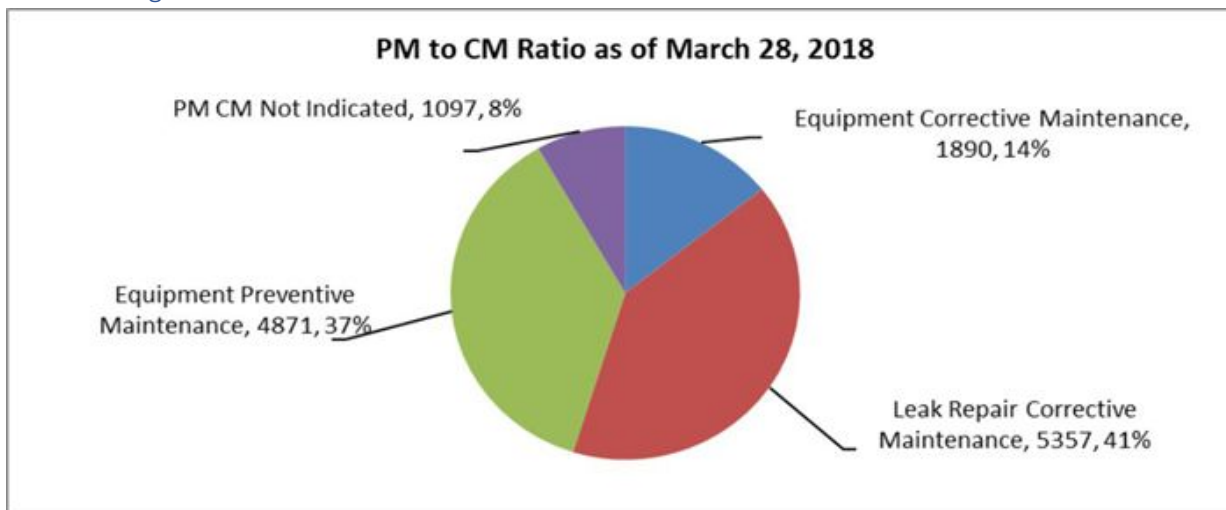


Wastewater Treatment

| Monthly Wastewater Treatment Summary - March 2018 | | | | |
|---|----------|------------------|--------------|-------------------|
| WW Treatment Plants - Flows | | | | |
| | Facility | Avg. Daily Flows | Sludge (lbs) | Sludge Disp. (\$) |
| | Hagatna | 4.40 | 540,600 | \$ 48,654 |
| | Northern | 5.2 | 953,280 | \$ 85,795 |
| | Agat | 0.58 | | |
| | Baza | 0.25 | | |
| | Umatac | 0.30 | | |
| | Inarajan | 0.05 | | |
| | | 10.78 | 1,493,880 | \$ 134,449 |
| | | | | |



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 MAR 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 | Mar-18 | TOTAL: | MARCH 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 | 1213 | 8138 | 484 |
| GWA - Meter Exchange | 393 | 179 | 220 | 276 | 482 | 353 | 501 | 807 | 1526 | 1039 | 452 | 259 | 239 | 1086 | 2120 | 9932 | 0 |
| GWA - Verify Zero Report | 30 | 124 | 114 | 94 | 96 | 402 | 261 | 199 | 550 | 89 | 82 | 169 | 356 | 106 | 117 | 2789 | 18 |
| GWA - Verify Low Usage | 0 | 0 | 0 | 2 | 37 | 36 | 196 | 488 | 657 | 202 | 127 | 612 | 858 | 1122 | 1055 | 5392 | 268 |
| TOTAL: | 453 | 312 | 343 | 743 | 1360 | 878 | 1351 | 2237 | 3733 | 2337 | 1095 | 1418 | 2203 | 3283 | 4505 | 26251 | 770 |

| | | | | | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|------|------|---------------|
| # OF METERS TESTED AS PER METER TEST FACILITY REPORTS: | 345 | 350 | 144 | 252 | 305 | 210 | 302 | 397 | 1013 | 1130 | 927 | 704 | 721 | 1041 | 1347 | 9188 | |
| # OF BACKBILLINGS APPLIED AS PER FINANCE REPORTS: | 0 | 0 | 0 | 20 | 122 | 84 | 29 | 111 | 219 | 80 | 77 | 4 | 136 | 23 | 323 | 1228 | \$ 849,025.16 |

| | | | | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| # OF FIELD CREW PERFORMING CHANGE OUTS: | 19 | 10 | 13 | 9 | 21 | 21 | 14 | 24 | 35 | 28 | 28 * | 28 * | 5 | 13 | 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 | 9 | |
| # OF SUPPLY STAFF TO ISSUE MATERIALS AND PROGRAM NEW METERS: | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 0 | |
| # OF TEST FACILITY PERSONNEL TESTING METERS: | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | |
| # OF ACCOUNTANTS CALCULATING BACK BILLS: | 0 | 0 | 0 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |
| TOTAL: | 30 | 18 | 22 | 22 | 38 | 37 | 31 | 45 | 58 | 50 | 48 | 48 | 20 | 32 | 26 | |

*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 occurring before and after the OT moratorium.

Marbo (Andy-South) Wells – Status

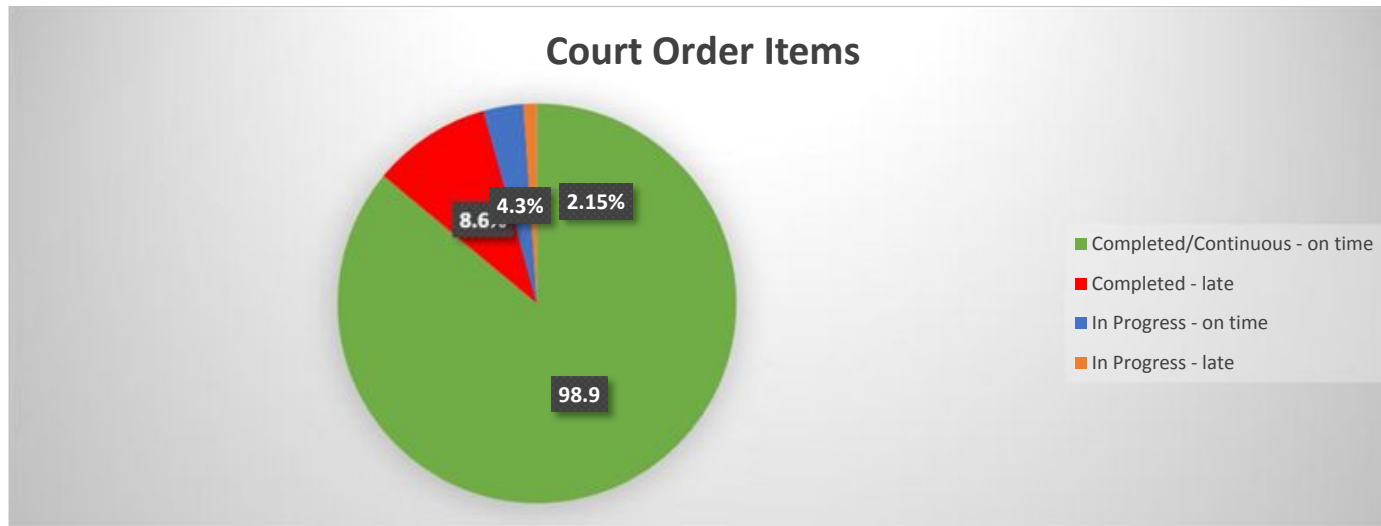
- Governor's Counsel provided recommended modifications to re-conveyance document to GSA
- GSA has not accepted the proposed changes
- Involuntary reversion appears imminent; GWA Counsel transmitted draft easement documents to GSA for consideration with DoD

One Guam Update

- Tumon Maui Well:
 - For the vent shaft leaks, GWA's Consultant B&C needs a work authorization so they will draft a proposal. Initial water flow from the vent shaft was caused by a failure of the level indicator which allowed the tank to overflow. A new level indicator will be employed to avoid the problem in the future.
- Santa Rosa Tank:
 - GWA and DOD finally decided on the location of the infrastructure required for the intertie.
 - GWA's Contractor will finalize the property maps for the intertie. It was agreed by all parties that the valve boxes will be located on GWA's property.
 - Once the maps are completed, the letter to General Cox will be finalized for the temporary easement.
- Although the construction of GWA's tank at Santa Rosa is underway, the intertie will be done as soon as the approval of the navy, the resolution of the temporary easement and the completion of the SOP and MOU for the intertie.
- 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:
 - Southern SSES Phase II Location – Santa Rita;
 - Redondo Luchan, Dededo;
 - South Mariposa Court, Dededo.

CIP Summary

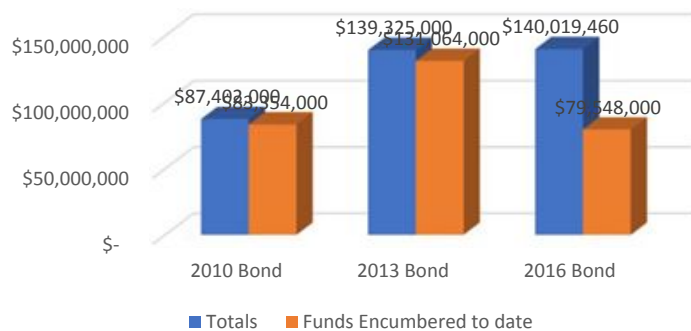
CIP Summary - Project Encumbrance

| | 2010 Bond | | 2013 Bond | | 2016 Bond | | Total CIP Projects | % |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|----------|--------------------|-------------|
| | Funded | Complete | Funded | Complete | Funded | Complete | | |
| 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 | | Total CIP Projects | % |
|-----------------------------|----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| | Funded | % | Funded | % | Funded | % | | |
| 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% | | | |

CIP Funds Encumbered



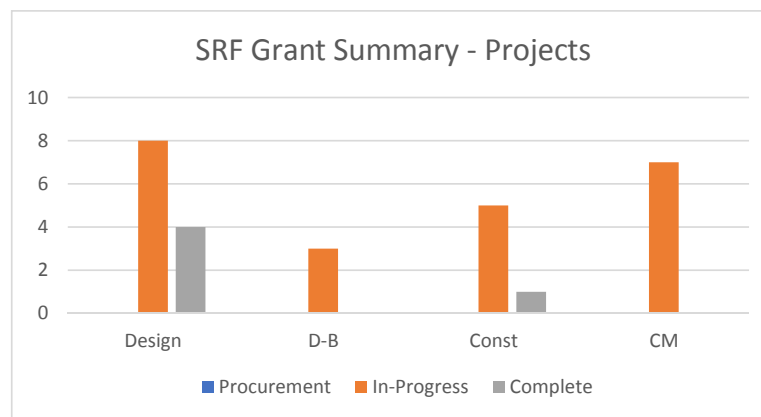
CIP Funding Summary



SRF Grant Summary

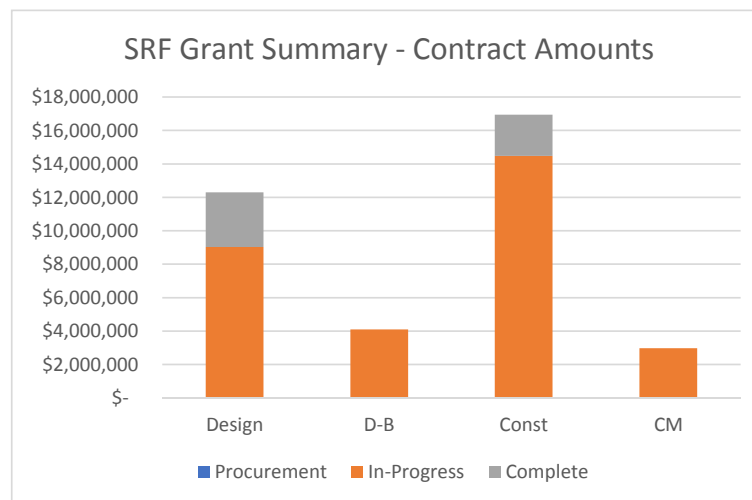
SRF Grant Summary - Projects

| | 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 | |

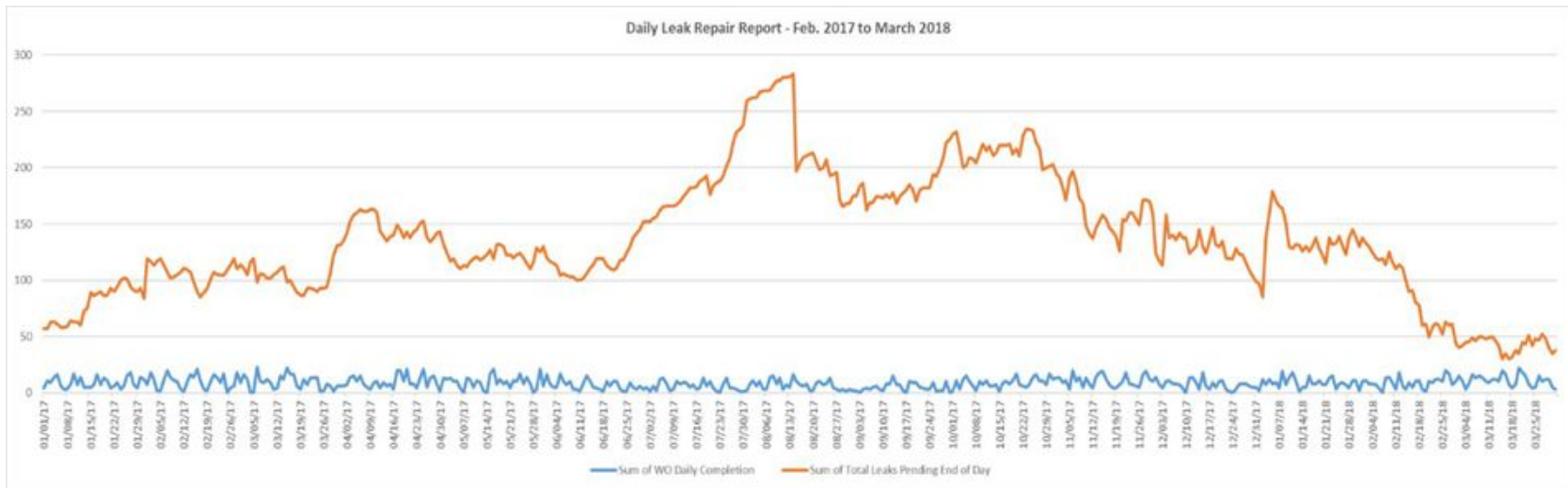
Land Acquisition Summary

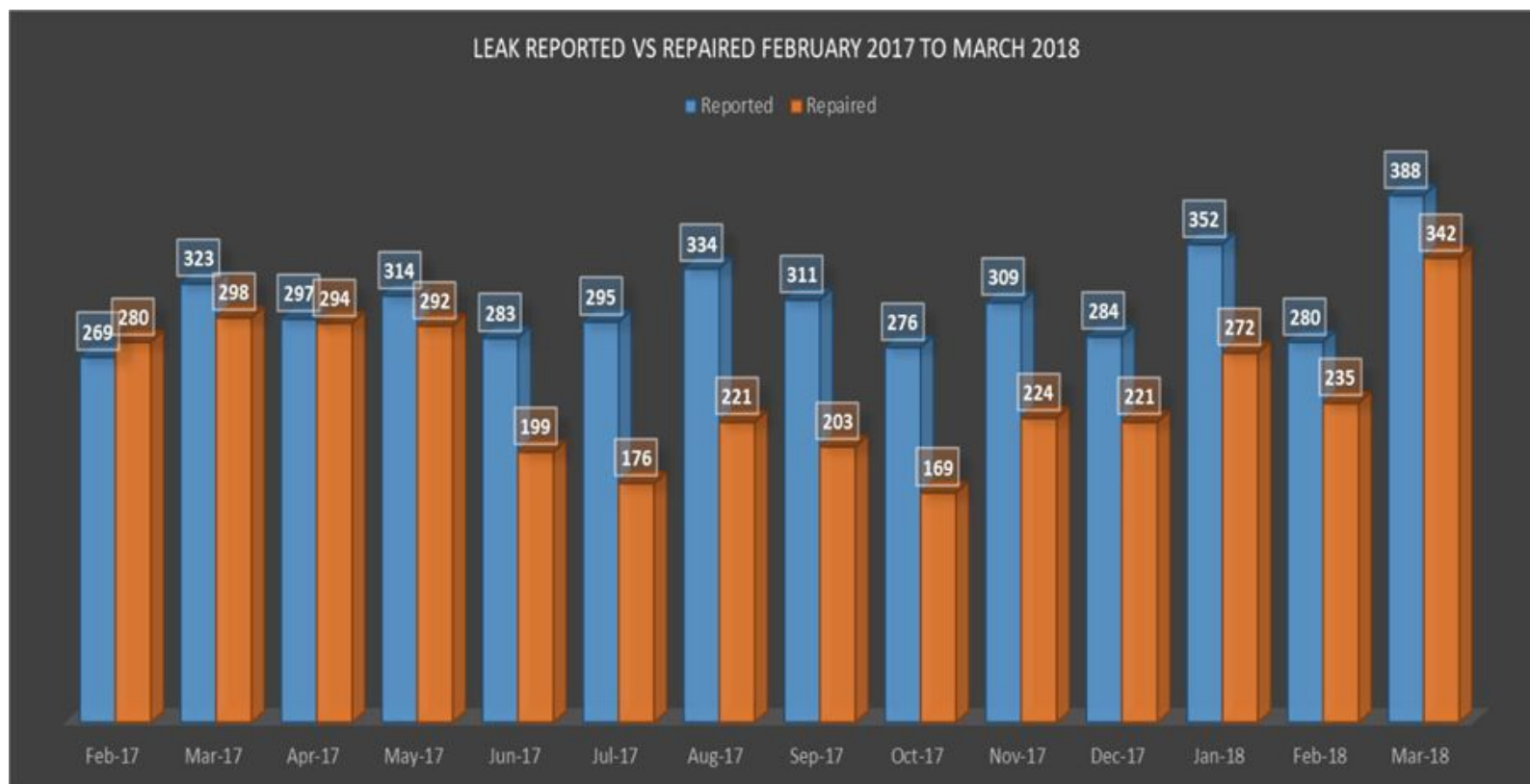
| GWA Facility | Location | Gov't./Private/Other | Land Acquisition Status |
|--|------------------------------------|------------------------------------|---|
| Tanks | Ugum | Private | TGE to draft Letter of Decision for private property owners 11/09/17. Appraisal Services requested by TGE 04/02/18. |
| | Astumbo | Gov't./CLTC | GWA and DoLM working together on Land Registration process. Pending Notification of surrounding lot owner information from DoLM. |
| | 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. PUC approval 03/29/18. |
| Deep Well | A-12 | Private | Property ownership vested in GWA 10/16/17. |
| | AG-12 | Dept. of Agriculture/Manhita Farms | DCA is still verifying suspected buildings/concrete houses encroachments along the northerly and southerly boundaries 04/02/18. |
| | Y-8 | Gov't./CLTC | GWA Land Agent to draft Grant Deed for property ownership under PL 22-18 - 04/09/18. |
| Booster Pump Station | Agfayan | Private | 2nd follow up Letter of Intent delivered to private property owner on 04/09/18. |
| 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. |
| Asan Springs | Asan | Gov't./Private | GWA working to determine ownership 04/10/18. |

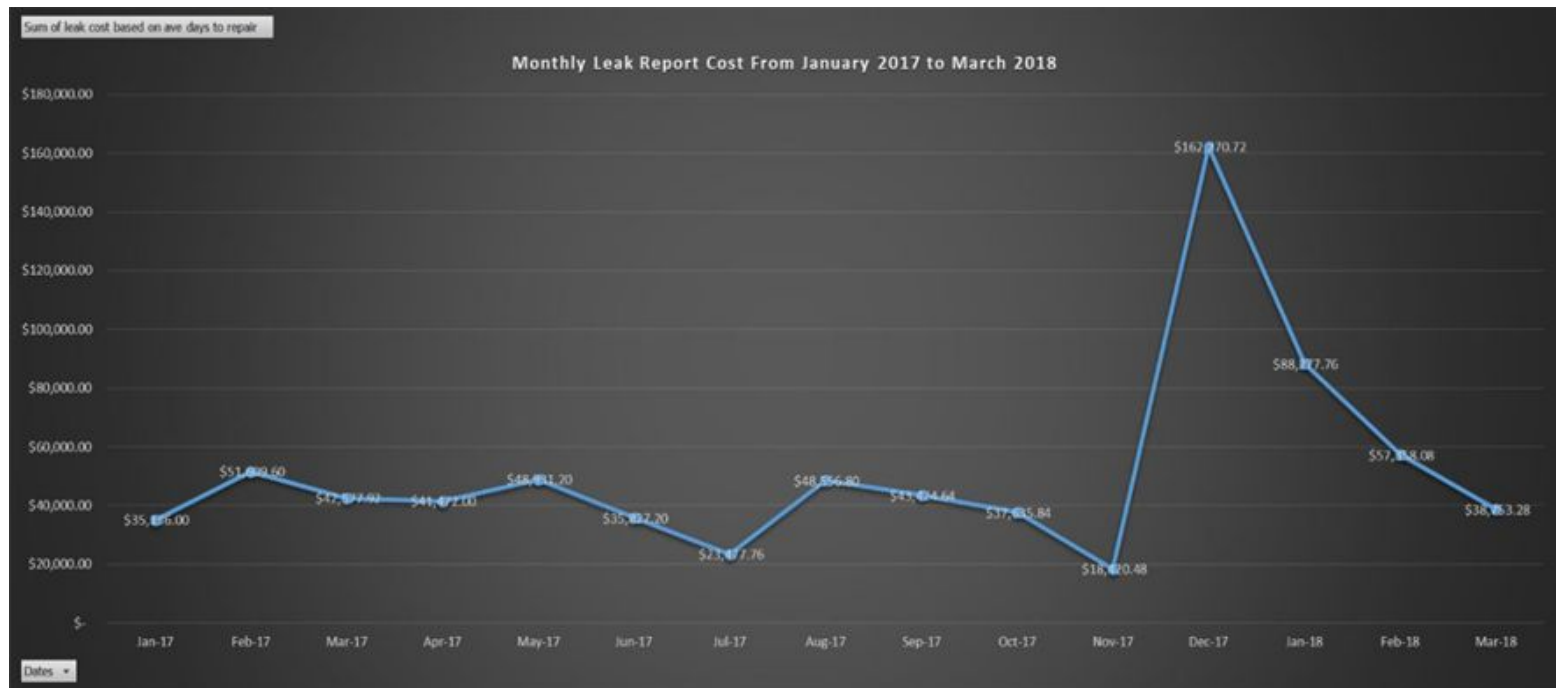
NRW – Update

- 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







Assumptions:

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

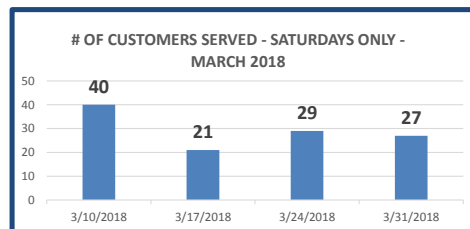
GWA Work Session - April 17, 2018 - DIVISION REPORTS

GWA Utility Services Division
Monthly Status Report
Month ending March 30, 2018

| UTILITY SERVICES DIVISION ACTIVITIES: | WEEKLY AVERAGE FEB 2018 | FEB 2018 MONTHLY TOTAL | WEEK ENDING: 3/9/2018 | WEEK ENDING: 3/16/2018 | WEEK ENDING: 3/23/2018 | WEEK ENDING: 3/30/2018 | WEEKLY AVERAGE MARCH 2018 | MARCH 2018 MONTHLY TOTAL |
|--|-------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|-----------------------------------|
| | | | | | | | | |
| Collections Unit | | | | | | | | |
| I. Number of accounts cut for nonpayment: | 65 | 261 | 46 | 104 | 83 | 81 | 79 | 314 |
| II. Number of accounts restored for nonpayment: | 51 | 204 | 43 | 57 | 47 | 76 | 56 | 223 |
| III. Number of No water reports responded to: | 2 | 9 | 3 | 3 | 4 | 3 | 3 | 13 |
| IV. Number of Secure/Unsecure valve reports responded to: | 2 | 8 | 2 | 0 | 0 | 1 | 1 | 3 |
| V. Number of Verify reads responded to: | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| VI. Number of new pay plans negotiated for active accounts : | 192 | 768 | 189 | 210 | 203 | 195 | 199 | 797 |
| VII. Number of active pay plans negotiated and ongoing : | 1999 | | 1834 | 1966 | 2101 | 2224 | 2031 | |
| VIII. Number of inactive accounts with a payment arrangement: | 6 | | 14 | 14 | 14 | 14 | 14 | |
| IX. Number of broken payment plans: | 82 | 326 | 97 | 78 | 68 | 72 | 79 | 315 |
| Customer Service Unit | | | | | | | | |
| I. Service Delivery Points: | | | | | | | | |
| a. GBN Public Service Building – Fadjan | | | | | | | | |
| i. Total Customers Assisted : | 246 | 1232 | 267 | 243 | 245 | 288 | 261 | 1043 |
| ii. Total Abandoned Requests : | 16 | 78 | 11 | 17 | 22 | 24 | 19 | 74 |
| iii. Average Wait Time: | 9 minutes | | 10 minutes | 7 minutes | 6 minutes | 8 minutes | 8 minutes | |
| iv. Average Service Time: | 13 minutes | | 11 minutes | 14 minutes | 13 minutes | 13 minutes | 13 minutes | |
| v. Breakdown by request type: | | | | | | | | |
| 1. Apply for water | 57 | 283 | 63 | 61 | 64 | 65 | 63 | 253 |
| 2. Restore water cut for non payment | 10 | 48 | 10 | 19 | 5 | 11 | 11 | 45 |
| 3. Terminate Water | 15 | 76 | 23 | 11 | 14 | 19 | 17 | 67 |
| 4. Copy of Bill | 33 | 167 | 43 | 24 | 38 | 29 | 34 | 134 |
| 5. Billing Dispute | 59 | 295 | 49 | 52 | 61 | 75 | 59 | 237 |
| 6. Billing Dispute follow up | 3 | 14 | 3 | 8 | 2 | 6 | 5 | 19 |
| 7. General Questions & Other | 39 | 196 | 36 | 28 | 31 | 39 | 34 | 134 |
| 8. Report a water leak | 3 | 13 | 3 | 1 | 1 | 3 | 2 | 8 |
| 9. Report water theft | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 10. Payment Arrangement | 26 | 132 | 36 | 38 | 29 | 41 | 36 | 144 |
| b. Julale Satellite Office – Hagatna | | | | | | | | |
| i. Total Customers Assisted : | 267 | 1334 | 226 | 283 | 227 | 261 | 249 | 997 |
| ii. Total Abandoned Requests : | 19 | 95 | 5 | 23 | 15 | 18 | 15 | 61 |
| iii. Average Wait Time: | 7 minutes | | 5 minutes | 8 minutes | 5 minutes | 7 minutes | 6 minutes | |
| iv. Average Service Time: | 9 minutes | | 9 minutes | 9 minutes | 9 minutes | 10 minutes | 9 minutes | |
| v. Breakdown by request type: | | | | | | | | |
| 1. Apply for water | 47 | 236 | 45 | 50 | 48 | 45 | 47 | 188 |
| 2. Restore water cut for non payment | 10 | 48 | 9 | 7 | 3 | 10 | 7 | 29 |
| 3. Terminate Water | 20 | 98 | 9 | 21 | 16 | 25 | 18 | 71 |
| 4. Copy of Bill | 58 | 290 | 63 | 64 | 49 | 46 | 56 | 222 |
| 5. Billing Dispute | 69 | 345 | 53 | 69 | 58 | 63 | 61 | 243 |
| 6. Billing Dispute follow up | 2 | 8 | 1 | 3 | 4 | 8 | 4 | 16 |
| 7. General Questions & Other | 35 | 177 | 17 | 29 | 24 | 23 | 23 | 93 |
| 8. Report a water leak | 1 | 6 | 2 | 2 | 2 | 2 | 2 | 8 |
| 9. Report water theft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. Payment Arrangement | 30 | 148 | 29 | 41 | 29 | 44 | 36 | 143 |
| c. Upper Tumon Satellite Office – Upper Tumon | | | | | | | | |
| i. Total Customers Assisted : | 325 | 1627 | 303 | 316 | 331 | 356 | 327 | 1306 |
| ii. Total Abandoned Requests : | 12 | 58 | 13 | 2 | 4 | 31 | 13 | 50 |
| iii. Average Wait Time: | 6 minutes | | 12 minutes | 5 minutes | 7 minutes | 12 minutes | 9 minutes | |
| iv. Average Service Time: | 14 minutes | | 11 minutes | 13 minutes | 12 minutes | 9 minutes | 11 minutes | |
| v. Breakdown by request type: | | | | | | | | |
| 1. Apply for water | 76 | 379 | 68 | 73 | 70 | 81 | 73 | 292 |
| 2. Restore water cut for non payment | 12 | 62 | 15 | 20 | 22 | 29 | 22 | 86 |
| 3. Terminate Water | 26 | 129 | 17 | 15 | 24 | 38 | 24 | 94 |
| 4. Copy of Bill | 51 | 253 | 64 | 61 | 64 | 44 | 58 | 233 |
| 5. Billing Dispute | 78 | 389 | 64 | 72 | 74 | 82 | 73 | 292 |
| 6. Billing Dispute follow up | 5 | 25 | 2 | 1 | 2 | 3 | 2 | 8 |
| 7. General Questions & Other | 35 | 173 | 46 | 38 | 38 | 28 | 38 | 150 |
| 8. Report a water leak | 3 | 16 | 0 | 2 | 6 | 5 | 3 | 13 |
| 9. Report water theft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. Payment Arrangement | 42 | 209 | 28 | 42 | 37 | 49 | 39 | 156 |

GWA Utility Services Division
Monthly Status Report
Month ending March 30, 2018

| UTILITY SERVICES DIVISION ACTIVITIES: | WEEKLY AVERAGE FEB 2018 | FEB 2018 MONTHLY TOTAL | WEEK ENDING: 3/9/2018 | WEEK ENDING: 3/16/2018 | WEEK ENDING: 3/23/2018 | WEEK ENDING: 3/30/2018 | WEEKLY AVERAGE MARCH 2018 | MARCH 2018 MONTHLY TOTAL |
|---|-------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|-----------------------------------|
| | | | | | | | | |
| d. Customer Call Center | | | | | | | | |
| i. Calls Received : | 1301 | 6503 | 1262 | 1322 | 1088 | 1221 | 1223 | 4893 |
| ii. Calls Immediately Answered : | 747 | 3733 | 691 | 823 | 707 | 835 | 764 | 3056 |
| iii. Calls Abandoned | 47 | 236 | 37 | 54 | 50 | 41 | 46 | 182 |
| iv. Calls Handled by Voice mail: | 505 | 2525 | 534 | 445 | 329 | 345 | 413 | 1653 |
| v. Average duration of calls answered | 6 minutes | | 5 minutes | 4.5 minutes | 4 minutes | 4 minutes | 4 minutes | |
| vi. Breakdown by request type: | | | | | | | | |
| 1. Apply for water | | | 18 | 15 | 25 | 25 | 21 | 83 |
| 2. Restore water cut for non payment | | | 18 | 23 | 30 | 42 | 28 | 113 |
| 3. Terminate Water | | | 6 | 6 | 5 | 12 | 7 | 29 |
| 4. Copy of Bill | | | 1 | 2 | 2 | 0 | 1 | 5 |
| 5. Billing Dispute | | | 15 | 15 | 22 | 26 | 20 | 78 |
| 6. Billing Dispute follow up | | | 10 | 26 | 32 | 51 | 30 | 119 |
| 7. General Questions & Other | | | 296 | 220 | 334 | 298 | 287 | 1148 |
| 8. Report a water leak | | | 2 | 12 | 27 | 18 | 15 | 59 |
| 9. Report water theft | | | 0 | 1 | 2 | 1 | 1 | 4 |
| 10. Payment Arrangement | | | 69 | 97 | 96 | 70 | 83 | 332 |
| 11. Pay by Phone | | | 180 | 106 | 69 | 100 | 114 | 455 |
| 12. Other GWA Staff | | | 79 | 59 | 117 | 126 | 95 | 381 |
| 13. Online Services | | | 43 | 30 | 36 | 26 | 34 | 135 |
| 14. ATC/Email/Text/SMS issues | | | 25 | 16 | 13 | 34 | 22 | 88 |
| 15. Dispatch | | | 58 | 56 | 33 | 60 | 52 | 207 |
| 16. Back Billing | | | 1 | 2 | 4 | 14 | 5 | 21 |
| 17. Secure/Unsecure Valve | | | 26 | 22 | 6 | 13 | 17 | 67 |
| 18. No Water | | | 11 | 57 | 25 | 28 | 30 | 121 |
| e. Customer Emails: | | | | | | | | |
| i. Emails Received : | | | | | | | | |
| 1. customers@guamwaterworks.org | 42 | 208 | 43 | 88 | 100 | 86 | 79 | 317 |
| Breakdown by request type (email): | | | | | | | | |
| a. Apply for water | 2 | 8 | 0 | 3 | 0 | 3 | 2 | 6 |
| b. Terminate Water | 1 | 7 | 1 | 3 | 3 | 3 | 3 | 10 |
| c. Copy of Bill | 2 | 9 | 2 | 3 | 0 | 0 | 1 | 5 |
| d. Billing Dispute & follow up | 8 | 42 | 8 | 13 | 18 | 12 | 13 | 51 |
| e. General Questions & Other | 18 | 88 | 14 | 23 | 24 | 17 | 20 | 78 |
| f. Report a water leak | 3 | 16 | 1 | 3 | 4 | 6 | 4 | 14 |
| g. Report water theft | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| h. Online services inquiry | 7 | 37 | 9 | 7 | 7 | 10 | 8 | 33 |
| 2. gwaservesme@guamwaterworks.org (realtors and prop) | 0 | 0 | 0 | 2 | 4 | 3 | 2 | 9 |
| ii. Emails Replied (both): | 32 | 158 | 8 | 31 | 40 | 32 | 28 | 111 |
| f. Saturday Services: 9AM TO 1PM ONLY | | | | | | | | |
| i. VISITS: Breakdown by request type: | | | | | | | | |
| 1. Apply for water | 6 | | 7 | 2 | 10 | 4 | 6 | |
| 2. Restore water cut for non payment | 1 | | 1 | 0 | 1 | 0 | 1 | |
| 3. Terminate Water | 0 | | 0 | 0 | 2 | 3 | 1 | |
| 4. Copy of Bill | 6 | | 14 | 7 | 6 | 2 | 7 | |
| 5. Billing Dispute | 7 | | 7 | 5 | 6 | 9 | 7 | |
| 6. Billing Dispute follow up | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 7. General Questions & Other | 4 | | 5 | 1 | 1 | 3 | 3 | |
| 8. Report a water leak | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 9. Report water theft | 0 | | 0 | 0 | 0 | 0 | 0 | |
| 10. Payment Arrangement | 6 | | 6 | 6 | 3 | 6 | 5 | |



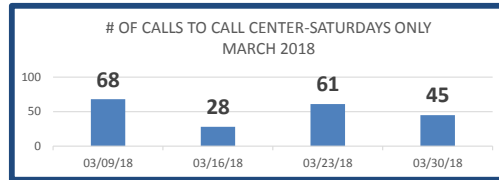
GWA Utility Services Division
Monthly Status Report
Month ending March 30, 2018

UTILITY SERVICES DIVISION ACTIVITIES:

| WEEKLY AVERAGE FEB 2018 | FEB 2018 MONTHLY TOTAL | WEEK ENDING: 3/9/2018 | WEEK ENDING: 3/16/2018 | WEEK ENDING: 3/23/2018 | WEEK ENDING: 3/30/2018 | WEEKLY AVERAGE MARCH 2018 | MARCH 2018 MONTHLY TOTAL |
|-------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|-----------------------------------|
|-------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|-----------------------------------|

ii. CALLS TO CALL CENTER (Saturday services only):

| 03/09/18 | 03/16/18 | 03/23/18 | 03/30/18 |
|----------|----------|----------|----------|
| 68 | 28 | 61 | 45 |



Dispute Resolution & Document Control

I. Dispute Resolution:

- Number of disputed accounts resolved:
- Number of disputed accounts under review:

II. Document Control:

- Number of field activities posted :
- Number of field activities pending:

| | | 03/09/18 | 03/16/18 | 03/23/18 | 03/30/18 | | |
|-----|-----|----------|----------|----------|----------|-----|-----|
| 7 | 33 | 9 | 5 | 3 | 6 | 6 | 23 |
| 179 | 895 | 179 | 179 | 179 | 179 | 179 | 716 |

| | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|------|
| 404 | 2018 | 428 | 519 | 450 | 548 | 486 | 1945 |
| 628 | 3142 | 446 | 782 | 565 | 401 | 549 | 2194 |

Disconnect/Reconnect Unit

- Number of field activities received:
- Number of field activities completed:
- Number of field activities pending field action:

| | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|------|
| 294 | 1471 | 246 | 234 | 252 | 271 | 251 | 1003 |
| 302 | 1511 | 258 | 267 | 271 | 281 | 269 | 1077 |
| 2 | 12 | 4 | 3 | 2 | 3 | 3 | 12 |

Meter Reading Unit

I. Number of meters read:

- Electronically Read Meters:
- Manually Read Meters:
 - Unread meters (Meters scheduled to be read but not read):
 - Number of data logs received:
 - Number of data logs retrieved:
 - Number of data logs pending field action:
 - Communication Errors/Reprogramming requests:
 - Number of estimated readings (for the week):

vii. Reasons for Estimations:

- Cant locate meter:
- Temporary Obstruction
- Vicious Dog
- Flooded meter
- Corrective action requested (database corrections needed)
- Possible changed out meter:
- Communication/Programming error (code 92's):
- Other:
 - Leaks detected on customer's private line:
 - Reverse Flow Detected
 - No Usage Detected
 - Tamper Code

c. Electronic Read Percentage:

| | | 03/09/18 | 03/16/18 | 03/23/18 | 03/30/18 | | |
|-------|-------|----------|----------|----------|----------|------|-------|
| 10089 | 50443 | 8421 | 11736 | 11581 | 5723 | 9365 | 37461 |
| 43 | 214 | 28 | 32 | 48 | 47 | 39 | 155 |
| 50 | 252 | 33 | 49 | 55 | 27 | 41 | 164 |
| 38 | 188 | 29 | 31 | 29 | 39 | 32 | 128 |
| 33 | 164 | 15 | 43 | 23 | 55 | 34 | 136 |
| 16 | 79 | 25 | 20 | 24 | 0 | 17 | 69 |
| 2 | 12 | 3 | 6 | 8 | 8 | 6 | 25 |
| 37 | 185 | 27 | 39 | 39 | 27 | 33 | 132 |

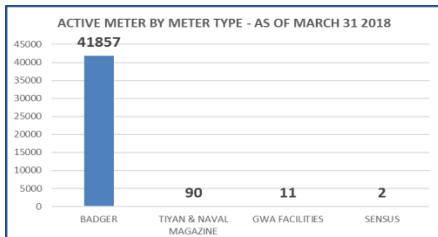
| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 2 | 8 | 0 | 0 | 2 | 3 | 1 | 5 |
| 1 | 3 | 0 | 0 | 3 | 1 | 1 | 4 |
| 1 | 3 | 0 | 1 | 0 | 0 | 0 | 1 |
| 1 | 6 | 0 | 1 | 2 | 0 | 1 | 3 |
| 3 | 13 | 4 | 2 | 8 | 3 | 4 | 17 |
| 21 | 106 | 6 | 10 | 16 | 0 | 8 | 32 |
| 8 | 40 | 9 | 6 | 6 | 1 | 6 | 22 |
| 7 | 35 | 1 | 5 | 9 | 2 | 4 | 17 |
| 1220 | 6102 | 1098 | 1198 | 1415 | 604 | 1079 | 4315 |
| 47 | 235 | 29 | 32 | 28 | 30 | 30 | 119 |
| 325 | 1625 | 250 | 246 | 359 | 209 | 266 | 1064 |
| 14 | 71 | 14 | 12 | 23 | 11 | 15 | 60 |
| 98% | | 98% | 100% | 99% | 100% | 99% | |

Revenue Protection Unit

- Number of Inactive Still Consuming Reports rec'd & investigated:
- Number of Illegal Connection reports rec'd & investigated:
- Meter Replacement Project – Post 2010 Metron Farmer & Sensus Status Report :

| METER TYPE | COUNT |
|------------|-------|
| SENSUS | 2 |
| METRON | |
| FARNIER | 0 |
| | 2 |

a. Account & Meter Type Count :





Engineering Monthly Report April 2018

**Prepared By:
Thomas Cruz, P.E. Chief Engineer**

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A. Summary Table of 2010, 2013 and 2016 Bond Potable Water

| CIP # | CIP Description | 2010 Bond Allotment | % encumbered | % available | 2013 Bond Allotment | % encumbered | % available | 2016 Bond Allotment | % encumbered | % available |
|----------|---|---------------------|-----------------|-------------|---------------------|-----------------|-------------|---------------------|-----------------|-------------|
| PW 05-01 | Ground Water Disinfection | \$ 500,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 05-03 | Santa Rita Springs Booster Pump Rehab Phase II | \$ - | N/A | N/A | \$ 100,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A |
| PW 05-05 | *A Series Well Transmission Line | \$ 518,143.96 | 100.00% | 0.00% | \$ 400,000.00 | 92.46% | 7.54% | \$ - | N/A | N/A |
| PW 05-06 | Water Booster Pump Station | \$ 500,000.00 | 100.00% | 0.00% | \$ 1,861,000.00 | 99.09% | 0.91% | \$ 4,139,000.00 | 0.00% | 100.00% |
| PW 05-07 | Water Replacement Program | \$ 10,300,000.00 | 99.84% | 0.16% | \$ 999,000.00 | 99.75% | 0.25% | \$ 4,501,000.00 | 3.33% | 96.67% |
| PW 05-08 | Barrigada Tank Repair/Replacement | \$ 5,450,000.00 | 99.92% | 0.08% | \$ 4,987,000.00 | 99.32% | 0.68% | \$ 1,013,000.00 | 0.00% | 100.00% |
| PW 05-09 | Leak Detection | \$ 200,000.00 | 100.06% | -0.06% | \$ 20,000.00 | 84.58% | 15.42% | \$ 1,180,000.00 | 0.00% | 100.00% |
| PW 05-10 | Potable Water System Planning | \$ 200,000.00 | 100.00% | 0.00% | \$ 624,000.00 | 100.00% | 0.00% | \$ 2,276,000.00 | 20.93% | 61.50% |
| PW 05-11 | Implement Ground Water Lift | \$ 1,700,000.00 | 100.00% | 0.00% | \$ 1,000,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A |
| PW 05-12 | Brigade II (Ugum Lift) BPS Upgrade | \$ 1,700,000.00 | 18.03% | 81.97% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 05-13 | Deep Well Rehabilitation | \$ 548,000.00 | 100.00% | 0.00% | \$ 200,000.00 | 100.00% | 0.00% | \$ 250,000.00 | 44.01% | 0.00% |
| PW 05-14 | New Deep Wells at Dow n Hard | \$ 638,252.85 | 76.11% | 23.89% | \$ 810,000.00 | 0.00% | 100.00% | \$ 1,190,000.00 | 0.00% | 100.00% |
| PW 05-15 | Rehabilitation of Asan Springs | \$ 900,000.00 | 37.87% | 62.13% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 05-16 | Master Meters | \$ 1,600,000.00 | 99.44% | 0.56% | \$ 784,000.00 | 99.88% | 0.12% | \$ 3,616,000.00 | 4.19% | 95.81% |
| PW 09-01 | Ugum Water Treatment Plant Intake | \$ 700,000.00 | 99.47% | 0.53% | \$ 982,000.00 | 100.00% | 0.00% | \$ 18,000.00 | 0.00% | 100.00% |
| PW 09-02 | Water Wells | \$ - | N/A | N/A | \$ 4,200,000.00 | 46.77% | 53.23% | \$ 2,500,000.00 | 0.00% | 100.00% |
| PW 09-03 | Water Distribution System | \$ 3,174,748.00 | 100.00% | 0.00% | \$ 11,151,000.00 | 87.97% | 4.85% | \$ 49,000.00 | 0.00% | 100.00% |
| PW 09-04 | Pressure Zone Realignment | \$ - | N/A | N/A | \$ 431,000.00 | 99.95% | 0.05% | \$ 1,141,000.00 | 58.58% | 35.06% |
| PW 09-06 | Central Water Distribution System 2005 | \$ 900,000.00 | 91.67% | 8.33% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 09-08 | Mechanical/Electrical Equipment | \$ 1,200,000.00 | 100.00% | 0.00% | \$ 430,000.00 | 99.60% | 0.40% | \$ 100,000.00 | 0.00% | 100.00% |
| PW 09-09 | Water Reservoir Internal/External | \$ 2,000,000.00 | 73.20% | 24.53% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 09-10 | Water Reservoir Internal/External | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ 800,000.00 | 0.00% | 100.00% |
| PW 09-11 | Water System Reservoirs 2005 Improvements | \$ 1,050,000.00 | 100.00% | 0.00% | \$ 13,878,000.00 | 99.99% | 0.01% | \$ 28,350,000.00 | 48.33% | 51.67% |
| PW 11-01 | Distribution System Upgrades | \$ 474,159.85 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 11-02 | Ugum Water Treatment Plant Reservoir | \$ - | N/A | N/A | \$ 90,000.00 | 0.00% | 100.00% | \$ - | N/A | N/A |
| PW 12-01 | Water Audit Program & Water Loss Control Plan | \$ 100,000.00 | 78.46% | 21.54% | \$ - | N/A | N/A | \$ 1,000,000.00 | 0.00% | 100.00% |
| PW 12-02 | Production Plan / Reduce Navy Purchases | \$ 100,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 12-03 | Hydraulic Assessment of Tanks | \$ 500,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 12-04 | Agana Heights & Chaot Tanks | \$ 4,700,000.00 | 100.00% | 0.00% | \$ 3,280,000.00 | 40.52% | 59.48% | \$ 1,220,000.00 | 40.98% | 59.02% |
| PW 12-05 | Tank Major Repair Yigo #1, Mangilao #2, Asturbo#1 | \$ 1,900,000.00 | 95.16% | 4.84% | \$ 11,605,000.00 | 99.99% | 0.01% | \$ 1,895,000.00 | 96.15% | 3.85% |
| PW 12-06 | Tank Replacement Piti & Hyundai | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ 7,409,830.00 | 98.52% | 1.48% |
| PW 12-07 | Assessment of Malojlo Elevated & Yigo Elevated | \$ 200,000.00 | 100.00% | 0.00% | \$ 485,117.00 | 100.00% | 0.00% | \$ - | N/A | N/A |
| PW 12-08 | Public Water System Asset Inventory/ Condition Assessment | \$ 100,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 12-09 | Public Water System GIS & Mapping | \$ 50,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| PW 14-01 | Fire Hydrant Replacement Program | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ 2,000,000.00 | 0.00% | 100.00% |
| | | \$ 41,903,304.66 | | | \$ 58,317,117.00 | | | \$ 64,647,830.00 | | |

Wastewater

| CIP # | CIP Description | 2010 Bond Allotment | % encumbered | % available | 2013 Bond Allotment | % encumbered | % available | 2016 Bond Allotment | % encumbered | % available |
|----------|--|---------------------|-----------------|-------------|---------------------|-----------------|-------------|---------------------|-----------------|-------------|
| WW 05-04 | Wastewater System Planning | \$ 1,500,000.00 | 100.00% | 0.00% | \$ 651,000.00 | 100.00% | 0.00% | \$ 349,000.00 | 89.68% | 9.15% |
| WW 05-05 | Wastewater Vehicles | \$ 235,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 05-07 | NDWWTP - Chlorine Tanks | \$ 250,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 09-01 | Lift station upgrades | \$ - | N/A | N/A | \$ 946,000.00 | 70.40% | 29.60% | \$ 2,404,000.00 | 12.21% | 87.79% |
| WW 09-06 | Wastewater Collection System Repl/ Rehabilitation | \$ 1,105,000.00 | 99.93% | 0.07% | \$ 780,000.00 | 97.11% | 2.89% | \$ 2,920,000.00 | 0.00% | 46.73% |
| WW 09-08 | Facilities Plan/Design for Baza Gardens WWTP | \$ 1,250,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 09-10 | Facilities Plan/Design for Agat-Santa Rita WWTP | \$ 899,630.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 11-03 | Baza Gardens STP Replacement | \$ 1,301,947.00 | 24.27% | 11.57% | \$ 3,114,883.00 | 100.00% | 0.00% | \$ 29,400,170.00 | 98.99% | 1.01% |
| WW 11-04 | Facilities Plan/Design for Umatac-Merizo WWTP | \$ 900,000.00 | 100.00% | 0.00% | \$ 473,000.00 | 100.00% | 0.00% | \$ 527,000.00 | 47.44% | 52.16% |
| WW 11-08 | Agat/Santa Rita STP Replacement | \$ 2,218,000.00 | 99.91% | 0.09% | \$ 67,200,000.00 | 99.43% | 0.57% | \$ 3,000,000.00 | 37.32% | 62.68% |
| WW 12-01 | Northern District WWTP Primary Treatment Upgrade | \$ 11,750,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-02 | Biosolids Management Plan | \$ 200,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-03 | Agana WWTP Interim Measures | \$ 11,500,000.00 | 100.00% | 0.00% | \$ 673,000.00 | 100.00% | 0.00% | \$ 827,000.00 | 0.00% | 90.22% |
| WW 12-04 | I&I SSES Southern | \$ 800,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-05 | I&I SSES Central | \$ 850,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-06 | I&I SSES Northern | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-07 | Umatac Merizo Replacement | \$ 250,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ 20,800,000.00 | 99.06% | 0.94% |
| WW 12-08 | Wastewater System GIS & Mapping | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-09 | Wastewater Facility Back Up Power | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 12-10 | Wastewater System Asset Inventory | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ - | N/A | N/A |
| WW 17-01 | Wastewater Sewer System Expansion | \$ - | | | \$ - | | | \$ - | | |
| WW 17-02 | Northern District WWTP Secondary Treatment Upgrade | \$ 1,000,000.00 | 0.00% | 100.00% | \$ - | | | \$ - | | |
| | | \$ 36,009,577.00 | | | \$ 73,837,883.00 | | | \$ 60,227,170.00 | | |

Electrical Engineering Support

| CIP # | CIP Description | 2010 Bond Allotment | % encumbered | % available | 2013 Bond Allotment | % encumbered | % available | 2016 Bond Allotment | % encumbered | % available |
|----------|---|---------------------|-----------------|-------------|---------------------|-----------------|-------------|---------------------|-----------------|-------------|
| EE-05-02 | SCADA Pilot Project | \$ 61,950.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| EE-09-01 | Wastewater Pumping Station Electrical Upgrade | \$ - | N/A | N/A | \$ 620,000.00 | 16.13% | 83.87% | \$ 100,000.00 | 0.00% | 100.00% |
| EE-09-02 | Electrical Upgrade - Water Wells | \$ 354,226.63 | 100.00% | 0.00% | \$ 1,500,000.00 | 100.00% | 0.00% | \$ 650,000.00 | 0.00% | 100.00% |
| EE-09-03 | Electrical Upgrade - Water Booster | \$ - | N/A | N/A | \$ 2,000.00 | 0.00% | 100.00% | \$ 323,000.00 | 0.00% | 100.00% |
| EE-09-04 | Electrical Upgrade - Water Booster | \$ - | N/A | N/A | \$ 200,000.00 | 0.49% | 99.51% | \$ - | N/A | N/A |
| EE-09-05 | Electrical Upgrade - Other Water | \$ - | N/A | N/A | \$ 150,000.00 | 40.47% | 59.53% | \$ - | N/A | N/A |
| EE-09-06 | SCADA Improvements - Phase 1 | \$ 250,000.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| EE-09-07 | SCADA Improvements - Phase 2 | \$ 1,056,986.00 | 100.00% | 0.00% | \$ - | N/A | N/A | \$ - | N/A | N/A |
| EE-09-08 | SCADA Improvements - Phase 3 | \$ 24,955.71 | 100.00% | 0.00% | \$ 923,000.00 | 78.26% | 21.74% | \$ 1,177,000.00 | 52.46% | 47.54% |
| EE-09-09 | SCADA Improvements - Phase 4 | \$ - | N/A | N/A | \$ - | N/A | N/A | \$ 6,500,000.00 | 0.00% | 93.08% |
| | | \$ 1,748,118.34 | | | \$ 3,395,000.00 | | | \$ 8,750,000.00 | | |

Miscellaneous Engineering Support

| CIP # | CIP Description | 2010 Bond Allotment | % encumbered | % available | 2013 Bond Allotment | % encumbered | % available | 2016 Bond Allotment | % encumbered | % available |
|----------|--|---------------------|-----------------|-------------|---------------------|-----------------|-------------|---------------------|-----------------|-------------|
| MC-05-01 | Laboratory Modernization | \$ - | N/A | N/A | \$ 1,173,000.00 | 100.00% | 0.00% | \$ 1,127,000.00 | 100.00% | 0.00% |
| MC-05-02 | Land Survey | \$ 500,000.00 | 99.94% | 0.06% | \$ 2,000.00 | 0.00% | 100.00% | \$ 1,998,000.00 | 63.09% | 36.91% |
| MC-09-01 | General Plant Improvements | \$ 7,241,000.00 | 99.58% | 0.42% | \$ 2,600,000.00 | 82.00% | 18.00% | \$ 2,769,460.00 | 53.83% | 45.89% |
| MC-15-01 | Information Technology Intergration Improvements | \$ - | | | \$ - | | | \$ 500,000.00 | 48.81% | 51.19% |
| | | \$ 7,741,000.00 | | | \$ 3,775,000.00 | | | \$ 6,394,460.00 | | |

| | 2010 Bond Allotment | 2013 Bond Allotment | 2016 Bond Allotment |
|-------------------|---------------------|---------------------|---------------------|
| CIP Water | \$ 41,903,304.66 | \$ 58,317,117.00 | \$ 64,647,830.00 |
| CIP Wastewater | \$ 36,009,577.00 | \$ 73,837,883.00 | \$ 60,227,170.00 |
| CIP Electrical | \$ 1,748,118.34 | \$ 3,395,000.00 | \$ 8,750,000.00 |
| CIP Miscellaneous | \$ 7,741,000.00 | \$ 3,775,000.00 | \$ 6,394,460.00 |
| | \$ 87,402,000.00 | \$ 139,325,000.00 | \$ 140,019,460.00 |

| Bond Fund | Construction Fund Amount (\$M) | Estimated # of months fund available for use | Total Funds encumbered to date (\$M) | % of fund used | Rate of Spending: (\$M) per year |
|---|--------------------------------|--|--------------------------------------|----------------|----------------------------------|
| 2005 | \$82.930 | 82 * | \$82.930 | 100.00% | 12.14 |
| 2010 | \$87.402 | 87 ** | \$83.354 | 95.37% | 11.50 |
| 2013 | \$139.325 | 50 ** | \$132.278 | 94.94% | 31.75 |
| 2015 | \$140.019 | 20 | \$81.534 | 58.23% | 48.92 |
| * - End date November 2013 via CCU Resolution 06-FY2014 | | | | | |
| ** - Includes month of March 2018 | | | | | |

B. Projects Procurement

Percentage Key:

- | | |
|---------------|--|
| 100% | Approved by GM |
| 99% | Signature required from either Accounting/Legal/GM |
| 98% | Processing engineering service or construction contract (with legal) |
| 95% | Request for CCU approval (GM/engineering) |
| 90% | A/E fee negotiation or contractor bid evaluation (engineering) |
| 80% | Selected A/E or Conducted bid opening (engineering) |
| 70% | Advertised RFP/IFB (engineering) |
| 60% | RFP/IFB Package under legal review |
| 50% | RFP/IFB Package completed (engineering) |
| Less than 50% | Project Scope of work development in progress |
- Red text anywhere indicates a change from the last report.

BOX KEY FOR PROCUREMENT:

| | | |
|--|--|---|
| (Type of Procurement) (Relevant CIP NO. or Funding Source) | (Project Title) | |
| (Percentage complete for procurement) | Activities/Notes: (see percentage key above) | Consultant (listed when selected) |
| Project Description | Summary of project description | |

| | | |
|---------------------------------------|--|--|
| <u>BID PACKAGE</u> PW 09-02 | New Well Construction | |
| <50% Complete | Activities/Notes: GWA engineering continuing discussion with Dept. of Agriculture and lessee on options of acquisition of property for well site at AG-12. Internal GWA discussions underway for survey and appraisal services as well as continuing services form Designer. | |
| Project Description: | The project is to construct three new production wells for GWA as well as installation of a water main to connect the new production wells to the Ysengsong Reservoirs. | |

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|-------------------------------|--|--|
| <u>RFP</u> PW 09-02 | New Well Construction (Construction Management) | |
| <50% Complete | Activities/Notes: SOW being developed | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of up to three (3) new production wells for GWA. GWA plans to increase source water production to improve system redundancy that allows for operating the water production wells more effectively. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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|---------------------------------------|--|--|
| <u>BID PACKAGE</u> PW 14-01 | Fire Hydrant Replacement Phase I | |
| <50% Complete | Activities/Notes: Bid package being prepared. | |
| Project Description: | The work performed under this project consist of replacing all know dry barrel fire hydrants down to the lateral as well as any defective wet barrel fire hydrant. Where necessary the gate valve for the fire hydrant may also be replaced. | |

| | | |
|-------------------------------|---|--|
| <u>RFP</u> WW 09-01 | Yigo SPS Flood Protection and Rehabilitation Design | |
| 90% Complete | Activities/Notes: GWA in negotiation with AECOM on SOW and fee proposal. | |
| Project Description: | The work performed under this project procurement shall consist of a design services to implement storm water mitigation measures to protect the facility during extreme weather as well as rehabilitate the facility to provide better redundancy and operate efficiently. | |

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|-------------------------------|---|--|
| <u>RFP</u> PW 09-11 | Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management | |
| 100% Complete | Activities/Notes: Contract fully executed. NTP issued April 6, 2018. | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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|--|--|--|
| <u>BID PACKAGE</u> PW 09-03, PW 09-04 AND PW 09-11 | Northern Tank Phase I (Santa Rosa) Construction | |
| <50% Complete | Activities/Notes: GWA will issue only a bid for Santa Rosa Tank and off-site improvements first. | |
| Project Description: | The work performed under this project procurement shall consist of Construction of a 1MG Santa Rosa reservoir and booster pump station. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally. | |

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|---|--|--|
| <u>BID PACKAGE</u> EE 09-08, EE 09-09 | SCADA Phase A1 Construction | |
| 70% Complete | Activities/Notes: IFB advertised 1/30/18, Pre-bid conference completed. Bid opening 3/28/18. | |
| Project Description: | The work performed under this project procurement shall consist of | |

| | |
|--|--|
| | Construction of SCADA ready instrumentation at several water and waste water facilities throughout the island. |
|--|--|

| | | |
|----------------------------------|--|--|
| RFP EE 09-08, EE 09-09 | SCADA Phase A1 Construction Management | |
| 90% Complete | Activities/Notes: GWA and CM firm currently in scope and fee negotiations. | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of all SCADA ready instrumentation at the various facilities through Guam. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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|----------------------------------|---|--|
| RFP PW 09-04, PW 09-11 | Design Services for the Project Pressure Zone Realignment and Tank Repair/Replacement | |
| 90% Complete | Activities/Notes: GWA and design firm currently in scope and fee negotiations. | |
| Project Description: | The work performed under this project procurement shall consist of design services for the remaining GWA reservoirs that required major repairs or replacement. The design will also address the required pressure zone realignment throughout the island so as to improve the distribution system functionality. . | |

BOX KEY FOR PROJECT:

| | | |
|--|---|---|
| (Type of Project) (Relevant CIP NO.) | (Project Title) (Contractor or consultant) | Start Date: (month and year) |
| (Percentage complete for project) | Activities/Notes: (brief description of activity) | Completion Date: (month and year) |
| (Court Order Paragraph No.) | (Project type) | |
| Project Description | Project Description Narrative | |

C. CIP Water Section

| | | |
|-----------------------------------|---|---|
| INSPECTION CIP PW 05-02 | Inspection & Maintenance Repairs to GWA Island-Wide Steel Water Tank Reservoirs Phase 2 (DCA) | Start Date: April 2010 |
| 80% Complete | Activities/Notes: Still waiting for Quotes for tank bypass/take down for Umatac #1 and Pigua. Still working on plan for Kaiser, Windward. Quote for Agat #1 take down with contractor. WBP2 Controls working properly now which allows Agat Umatac Tank to be taken down. | Completion Date: Anticipate December 2021 |
| CO 38C | Engineering inspection services | |
| Project Description: | The Court Order requires GWA to inspect all active and in some cases inactive water reservoirs. The inspection results will allow GWA to determine if a reservoir requires repair or replacement. | |

| | | |
|---|--|---|
| DESIGN CIP PW 05-12 | Brigade II BPS Upgrade (EM Chen) | Start Date: April 2012 |
| 100% complete (Basis of Design) 45% (Design) | Activities/Notes: Designer still working on 60% design submittal. Expect by third week in April. | Completion Date: Due to property acquisition issues GWA anticipate May 2018 |
| N/A | Engineering design services | |
| Project Description: | The design project is intended to assess system water supply feed from the north as well as Ugum WTP and the water demands downstream from the Brigade BPS so as to reconfigure the piping into the BPS and resize the pumps to meet system head requirements. | |

| | | |
|-------------------------------|---|---|
| DESIGN CIP PW 12-05 | Yigo and Astumbo 2MG Tank Design Project (Lyons) | Start Date: September 2013 |
| 99% complete | Activities/Notes: Design firm to provide RFI support during the construction. | Completion Date: January 2016 |
| CO 9 (b)(4) | Engineering design services | |
| Project Description: | Develop the construction documents for two (2) 2.0 million-gallon (MG) nominal capacity concrete reservoirs in the Yigo service zones and one (1) 2.0 MG reservoir in the Astumbo service area. The design services will consist of preparation of plans, specifications, and estimates | |

| | |
|--|---|
| | (PS&E), including Basis of Design, design calculations, construction schedule, topographical survey, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD (latest version), and relevant permits. Other services will include construction bid support service, meetings, and response to request for interpretation/information during construction. The consultant is required to incorporate and modify existing GWA concrete reservoir specifications to meet the project objective. |
|--|---|

| | | |
|---------------------------|---|---|
| DESIGN PW 09-11 | Northern and Southern Guam Reservoir Design (TG Engineers) | Start Date: May 2015 |
| 60% Complete | Activities/Notes: Santa Rosa – 100% design in hand. Santa Rita – 100% design in hand. Inarajan – Land procurement second site related to new BPS's still on-going. Sinifa – 100% design in hand. Ugum – GWA still in discussion with re-evaluation and discussion with property owner of alternative property on-going. | Completion Date: Update: Due to property acquisitions issues for Piti and Tumon #1, design completion 6 months after property issue resolved. |
| CO 29 (b)(4) | Engineering design services | |
| Project Description: | The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction. The tank locations are Ugum, Santa Rita, Santa Rosa, Inarajan and Sinifa. | |

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| DESIGN PW 12-04 | Central Guam Reservoirs Design (GHD Inc.) | Start Date: May 2015 |
| 65% Complete | Activities/Notes: Chaot #2 – Chaot off-site work part of base bid. Chaot Tank work expected to be Change Order in once funding available. Tumon #2 – Tumon tank part of base bid. Hyundai – Hyundai tank part of base bid. Piti – GWA still evaluating alternative solutions to storage needs in Piti area. Manenggon –60% design near complete. Tumon #1 – GWA working on land issues. | Completion Date: Update: Due to property acquisitions issues for Piti and Tumon #1, design completion 6 months after property issue resolved. |
| CO 29 (b)(4) | Engineering design services | |
| Project Description: | The design services will consist of preparation of plans, specifications, and estimates (PS&E), which includes Basis of Design, design calculations, hydraulic modeling (EPANET), computational fluid dynamic modeling (CFD), construction schedule, topographical survey, property research, property mapping, geotechnical engineering, cultural resource inventory and evaluation of historic resources, hazardous | |

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| | materials survey, construction documents, design drawings in Auto CAD, relevant permit, construction bid support service, and response to request for interpretation/information during construction The tank locations are Hyundai, Pulantat, Chaot #2, Tumon #2, Piti and Tumon #1. |
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| CONSTRUCTION PW 09-03 | Line Replacement Phase IV (Giant Construction) | Start Date: 02/14/16 |
| 80% Complete | Activities/Notes: Contractor completing work in Santa Rita (Santa Rosa Subd.)/terminating exiting service lateral. Continuing pipe installation at Assumption Drive and Agafa Gumas. GWA working on property and archeological issue with contractor. | Completion Date: 12/30/18 per Change Order. |
| | Construction Services | |
| Project Description: | The project is intended for a contractor to replace existing water lines that have been found by operations to be leaking and/or are causing service delivery to less than what GWA is required to provide. The project will replace water mains and ten known locations throughout the island and there is a component within the bid where line replacement work for unknown locations is accounted for. | |

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| DESIGN PW 05-15 | Asan Spring Rehabilitation Design (HDR) | Start Date: August 24, 2016 |
| 45% Complete | Activities/Notes: Designer still working on 60% design submittal. | Completion Date: Due to delays from the Park Services related to property access the anticipated completion of the design is May 2018. |
| | Engineering design services | |
| Project Description: | <ul style="list-style-type: none"> - Perform site visits and condition assessment for site conditions to determine demolition and rehabilitation requirement, process equipment condition, structural condition, and electrical system. Site condition assessment shall include all disciplines to execute the project. - Review and validate the current property boundary information to confirm the available space for the project development. - Perform an environmental impact study and prepare all required permits as needed. - Perform an archeological and historical resources study to identify potential impact to the project, prepare all required permits as needed. - Coordinate with Guam Historic Resources Division State Historic Preservation Office (SHPO) on historical resources study. Prepare all necessary reports and documents as required by SHPO. - Coordinate with Guam Department of Agriculture, Division of Aquatic and Wildlife Resources (DAWR) on vegetation clearance. Prepare all necessary reports and documents required by DAWR. - Identify the existing and projected service area, period of design. - Identify and recommend conceptual water treatment system. - Perform a Class 4 engineering cost estimate according to the | |

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| | American Association of Cost Engineers (AACE) International Cost Estimate Classification System for construction fee. Cost must include all disciplines, permit, construction and administration that are necessary to execute the project. All costs will be in current dollars and escalated to the estimated midpoint of construction. |
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| CONSTRUCTION PW 09-11, PW 12-05 | Yigo/Astumbo Tank Construction (Pernix) | Start Date: 12/1/16 |
| 75% Complete | Activities/Notes: Yigo #1 finishing on-going. Yigo #2 concrete roof ongoing. Astumbo #1 shotcrete work curing. On-site pipe work at both sites on-going. | Completion Date: 07/31/18 |
| | Construction Services | |
| Project Description: | This project will involve construction of two (2) 2MG concrete tanks and Booster Pump Station at the Yigo site and a one (1) 2MG concrete tank at the Astumbo site. Work will involve new pipe line, valves, electrical controls, pumps and motors, site drainage, paving, generator for the BPS, SCADA, etc. | |

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| CONSTRUCTION MANAGEMENT PW 09-11, PW 12-05 | Yigo/Astumbo Tank Construction Management (GHD) | Start Date: December 2016 |
| 75% complete | Activities/Notes: Processing submittals and on-site inspection | Completion Date: July 2018 |
| N/A | Construction Management services | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the demolition of existing steel elevate and ground tanks as well as the construction of the 2MG concrete tanks at the Yigo tank location and Astumbo tank location. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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| CONSTRUCTION MANAGEMENT PW 12-04-11, PW 12-06 AND PW 09-11 | Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction Management (TG Engineers, PC) | Start Date: December 2017 |
| 0% complete | Activities/Notes: Establishing project communications protocol, initiating project schedule review. | Completion Date: February 2019 |
| N/A | Construction Management services | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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| CONSTRUCTION PW 12-04, PW 12-06 AND PW 09-11 | Central Tank Phase I (Chaot #2, Tumon #2, Hyundai) Construction (AIC) | Start Date: 02/8/18 |
| 5% Complete | Activities/Notes: Clearing at Nissan on-going, waiting for GEPA sign off on permit. | Completion Date: 02/31/19 |
| | Construction Services | |
| Project Description: | The work performed under this project procurement shall consist of Construction of three water reservoirs; 0.5MG Chaot #2, 1MG Tumon #2 (Nissan) and 1MG Hyundai. Some piping work off site from the reservoir is also required to ensure the reservoirs function optimally. | |

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| CONSTRUCTION MANAGEMENT PW 09-11 | Northern and Southern Tank Phase I (Santa Rosa, Sinifa, Santa Rita) Construction Management (GHD) | Start Date: April 2018 |
| 0% complete | Activities/Notes: No activities until bid for Santa Rosa Tank. | Completion Date: June 2019 |
| N/A | Construction Management services | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of three water reservoirs; 1MG Santa Rosa, 1MG Sinifa and 1MG Santa Rita. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

D. CIP Wastewater Section

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| DESIGN WW 11-08 | Agat-Santa Rita WWTP Replacement (DCA) | Start Date: October 2014 |
| 99% Complete | Activities/Notes: Change Order to extend design services during construction executed. | Completion Date: Nov. 2015 (design); June 2018 (construction) |
| CO 11 | Engineering design services | |
| Project Description: | The engineering design consultant is required to design a new wastewater treatment facility that will meet secondary treatment limits. The new facilities will incorporate provisions for redundancy to improve reliability and facilitate operations and maintenance activities at the existing facility | |

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| INSPECTION 2010 BOND WW 12-05 2010 BOND WW 05-04 2013 BOND WW 05-04 | SSS Central Sewer System (HDR) | Start Date: November 2014 |
| 100% Complete | Activities/Notes: Final report received from HDR. Project to close. | Completion Date: January 2018 |
| CO 8 (c) | Engineering Inspection Services | |
| Project Description: | Work specifically required includes data analysis, development of hydraulic modeling, and development of an SSS fieldwork plan, manhole inspections, smoke testing, CCTV inspection and preparation of a Project Report. | |

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| CONSTRUCTION MANAGEMENT WW 11-08 | Agat Santa Rita WWTP CM (GHD) | Start Date: November 2014 |
| 100% (PH 1) 100% Complete (PH 2, Part 1) 90% Complete (PH 2, Part B) | Activities/Notes: Typical CM inspections on-going. Change order required to continue services through April 2018. | Completion Date: December 2017, projected through April 2018 |
| CO 11 | Construction Management services | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the construction of the Agat Santa Rita WWTP Phase II project. GWA plans to replace the existing wastewater treatment plant for a new plant that can meets permit limits. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

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| CONSTRUCTION WW 11-08 | Agat Santa Rita WWTP Phase II (Sumitomo Construction) | Start Date: January 2016 |
| Part 1 of Phase II- 100% Complete Part 2 of Phase II- 90% complete | Activities/Notes: Contractor still working on headworks, aerobic digester, equalization basin, admin and maintenance buildings. | Completion Date: Phase A: 03/15/17 Phase B: 12/31/17 will not be met, April 2018 projected |
| CO 11 | Construction services | |
| Project Description: | This project includes construction of the head works, clarifier, oxidation ditches and UV disinfection and administration facilities. Rehabilitation work at the existing WWTP will also occur to ensure the wastewater can be pumped to the new plant. The new plant will also tie into the Tipalao SPS. | |

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| DESIGN WW 09-08, WW11-03 | Baza Gardens Cross Island Sewer Design (DCA) | Start Date: 02/05/16 |
| 99% Complete | Activities/Notes: DCA providing engineering services during construction. | Completion Date: 04/30/18(this completion date will have to be extended.) |
| CO 11 | Engineering design services | |
| Project Description: | The intent of this project for an engineering firm to prepare design drawings and specification for a sewer conveyance from the Baza Garden WWTP to the new Agat Santa-Rite WWTP. The design will take into account growth in the Baza Gardens/Talofoto areas as wells as new connection along the Route 17 route. | |

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| DESIGN WW 09-06 | Bayside SPS Improvements Design (EMPSCO) | Start Date: July 29, 2016 |
| 99% Complete | Activities/Notes: Due to change in design Army Corp of | Completion Date: Due to issue with |

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| | Engineers permit viewed as not necessary. GWA received 100% design and under review. GWA working on Change order to address snail and archeological report that was not part of original scope. | ACOE anticipate December 2017 for design only. |
| | Engineering design services | |
| Project Description: | The intent of this project for an engineering firm to prepare design drawings and specification to upgrade the Bayside Sewer Pump Station given the facility is in major disrepair and the adjacent river is eroding away the access road to the facility which is causing maintenance challenges. | |
| CONSTRUCTION WW 09-08, WW 11-03 | Baza Gardens Cross Island Road Sewer Conveyance Construction Phase I (BME and Sons) | Start Date: October 2016 |
| 65% Complete | Activities/Notes: New SPS, force main and gravity line installation along Route 17 on-going. | Completion Date: Phase I: 03/01/18 (this completion date will have to be extended.) |
| | Construction services | |
| Project Description: | The work performed under this project consist of construction of 14,714' of gravity main, 2,767' of force main and sewer pump station #3 next to the Aplacho River in Santa Rita. | |

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| CONSTRUCTION MANAGEMENT WW 09-08 WW 11-03 | Baza Gardens Cross Island Road Sewer Conveyance (Construction Management) (SSFM) | Start Date: December 5, 2016 |
| 55% Complete | Activities/Notes: Field inspection, project coordination and invoice review on-gong. | Completion Date: April 2018 (this completion date will have to be extended.) |
| | Construction Management services | |
| Project Description: | The work performed under this project shall consist of Construction Management and Inspection Services for the construction of gravity main, force mains and sewer pump station as well as an equalization basin at the Baza Garden WWTP. | |

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| CONSTRUCTION WW 09-08, WW 11-03 | Baza Gardens Cross Island Road Sewer Conveyance Construction Phase II (BME and Sons) | Start Date: March 2017 |
| 75% Complete | Activities/Notes: New SPS, force main and gravity line installation along Route 17 on-going. | Completion Date: Phase II: 03/16/18 (this completion date will have to be extended.) |
| | Construction services | |
| Project Description: | The work performed under this project consist of construction of 1,767' of gravity main, 14,400' of force mains and sewer pump station #2 along Route 17. | |

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| CONSTRUCTION WW 09-08, WW 11-03 | Baza Gardens Cross Island Road Sewer Conveyance Construction Phase III (Sumitomo Construction) | Start Date: June 2017 |
| 20% Complete | Activities/Notes: Contractor continuing pipeline and SPS construction work on Route 17 along with work at wet well at Baza Gardens WWTP. | Completion Date: Phase III: 03/16/18 (this completion date will have to be extended.) |
| | Construction services | |
| Project Description: | The work performed under this project consist of construction of, but not limited to, 10,481' of force mains and sewer pump station at existing WWTP, equalization tanks, stand-by generator, improved headworks, grit removal system, and associated equipment. | |

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| CONSTRUCTION WW 11-04 | Umatac Merizo WWTP Design Build Improvements Project (CoreTech) | Start Date: June 2017 |
| 90% design 10% construction | Activities/Notes: BMPs and temporary facilities are being installed. Clearing & Grading is on-going. | Completion Date: December 31, 2018 |
| | Construction services | |
| Project Description: | The project is intended to improve the aeration basin, construct a new sewer pump station, regrade the overland field, construct a new effluent storage tank and disinfection facility. The overland percolation basin will undergo regarding work to ensure appropriate distribution of effluent through the whole basin. | |

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| CONSTRUCTION MANAGEMENT WW 11-04 | Umatac Merizo WWTP Design Build Improvements Project (SSFM Inc) | Start Date: September 7, 2017 |
| 15% | Activities/Notes: Continuing on-site inspection of field activities. | Completion Date: December 31, 2018 |
| | Construction Management services | |
| Project Description: | The work performed under this project procurement shall consist of Construction Management and Inspection Services for the improvements works at the aeration basin, new sewer pump station, overland field improvements, effluent storage tank. The overall goal of the Construction Manager (CM) is to manage the entire construction process so that the project can be delivered efficiently and professionally. | |

E. CIP Engineering Support

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| DESIGN EE 09-08 | SCADA System for Water and Wastewater Facilities Phase A-1 (AECOM) | Start Date: June 2015 |
| 100% complete | Activities/Notes: Final design in hand. AECOM to provide assistance during bidding process. | Completion Date: November 2017 - Design January 2019 - (Bid and |

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| | | Construction Support) |
| N/A | Engineering design services | |
| Project Description: | The A/E firm will design an integrated, robust and secure Supervisory Control and Data Acquisition (SCADA) system for GWA's water and wastewater systems, and to provide support services during bid and construction. The 22 sites will consist of a combination of water facilities such as production wells, reservoirs, booster pump station and wastewater sites include sewer treatment plants and sewer pump stations. Executed by approved change orders, number of sites in original design scope has changed from 22 sites to 19 sites and design of High Water Alarm for 20 critical sewer pump stations has been added. Scope also includes bid and construction support of the design-build project of GPWA SCADA EMS project. | |

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| CONSTRUCTION MC 05-01 | New GWA Lab Construction (Mega United Construction) | Start Date: NTP issued August 18, 2016 |
| 99% Complete | Activities/Notes: Permanent communication installed. Awaiting O&M manuals and as-build plans. | Completion Date: Early March 2018. |
| | Construction services | |
| Project Description: | The project will involve construction of a new building at the GWA Upper Tumon compound to house the laboratory section. The facility will include office, laboratory and storage space for the lab employees. The facility will also include a back-up generator. | |

F. GIS Section

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| MAPPING MC 05-02 | Island Wide Survey- (Duenas, Camacho & Ass.) | Start Date: December 2007 |
| 94% complete | Activities/Notes: Task #13 NTP issued, work near complete. Task #14 work on-going. | Completion Date: New anticipated complete is April 2018. |
| | Survey services | |
| Project Description: | The contracted land surveyor is required to conduct title research, property valuation and mapping of property boundaries where GWA facilities are located but the lot is not registered under GWA's name. | |

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| MAPPING MC 05-02 | Island Wide Survey PH II - (Duenas, Camacho & Ass.) | Start Date: August 30, 2017 |
| 35% complete | Activities/Notes: Surveyor continuing field work for 15 additional parcels. | Completion Date: December 2018 |
| | Survey services | |
| Project Description: | The work performed under this project procurement shall consist of a professional land surveyor conducting field work to mark corners of existing government properties as a means of severing out portions of the larger property to be deeded to GWA. Surveyor shall also prepare all necessary maps and documents for recording at DLM | |

G. Permits SectionPERMITS
MONTHLY REPORT 2017

| | 2018 | | | | | | |
|----------------------------|-------------|-----|-----|-------|--|--|--|
| Description | Jan | Feb | Mar | April | | | |
| Building Permit | 11 | 9 | 1 | 13 | | | |
| Occupancy Permit | 3 | 10 | 18 | 16 | | | |
| New Installation | 14 | 8 | 7 | 9 | | | |
| Sewer Application | 15 | 14 | 7 | 6 | | | |
| Sewer Inspection | 0 | 1 | 3 | 0 | | | |
| Private Utility Acceptance | 0 | 0 | 0 | 0 | | | |
| Relocation of Water Meter | 0 | 0 | 0 | 0 | | | |
| Tapping-Water | 1 | 1 | 0 | 0 | | | |
| Tapping-Sewer | 0 | 1 | 0 | 0 | | | |
| Clearance-Water | 3 | 2 | 7 | 10 | | | |
| Clearance-Sewer | 3 | 2 | 7 | 10 | | | |
| Highway Encroachment | 0 | 4 | 41 | 22 | | | |
| Verification of Utilities | 4 | 4 | 5 | 4 | | | |
| Fire Flow Test | 0 | 0 | 1 | 0 | | | |
| Schedule Water Outage | 0 | 1 | 0 | 0 | | | |

H. SRF Project Status Report

- Projects listed below that are noted to be in the procurement phase will follow the “Percentage Key” below.

Percentage Key:

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|---------------|--|
| 100% | Approved by GM |
| 99% | Signature required from either Accounting/Legal/GM |
| 98% | Processing engineering service or construction contract (with legal) |
| 95% | Request for CCU approval (GM/engineering) |
| 90% | A/E fee negotiation or contractor bid evaluation (engineering) |
| 80% | Selected A/E or Conducted bid opening (engineering) |
| 70% | Advertised RFP/IFB (engineering) |
| 60% | RFP/IFB Package under legal review |
| 50% | RFP/IFB Package completed (engineering) |
| Less than 50% | Project Scope of work development in progress |

- Red text anywhere indicates a change from the last report.
- Cells highlighted in green indicate contract amount certified and project active.

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| Project | Project Description | Project Manager | Phase | | Start Date (NTP Issued) | Anticipated Completion Date | Contract Amount (+) change orders | Contractor | Status as of 04/16/18 |
|---------|---|------------------|--------------|---|----------------------------|---|---|----------------------|---|
| 1 | Northern District SSES & I/I Study | J. Davis | Design | 1 | 10/10/2014 | 2/29/2016 | \$ 792,979.97 | Stanley | 100% Complete. |
| | | | Construction | | | | The project does not involve construction. | | |
| | | | Const. Mgmt | | | | | | |
| 2 | Southern SSES Rehabilitation (Agat-Santa Rita- Umatac-Merizo) | Brown & Caldwell | Design | | | | The design was previously completed under bond funding. | | |
| | | | Construction | 1 | 10/30/2015 | 2/28/2017 | \$ 1,170,583.82 | Reliable Builders | RBI working on thrid location in Umatac. |
| | | | Const. Mgmt | 1 | 11/10/2015 | 3/30/2017 | \$ 226,980.23 | TG Engineers | CM Services complete. |
| 3 | Asan-Adelup- Hagatna RT1 Sewer Line Rehabilitation and Replacement | Brown & Caldwell | Design | 2 | 12/11/2015 | 3/30/2017 for Design requirements | \$ 1,780,210.00 | HDR | Route 1 rebid: HDR to provide services during bid process. . |
| | | | Construction | | 10/16/2016 | 6/30/2019 | | | Procurement 75%. GWA to advertise rebid for thrid time by 04/30/18. |
| | | | Const. Mgmt | | 6/30/2017 | 6/30/2019 | | | Procurement 90%. CM fee proposal received 6/23/17 (\$698K); received revised proposal for Schedule A (\$748K), and Schedule B (\$718K) on 4/2/18. Will send recommendation by 4/20. |

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| 4 | RT2 Agat War in the Pacific Sewer Line Rehabilitation and Replacement | Rehabilitation of a large segment of sewer line fronting the War in the Pacific Park in Agat that has collapsed. | Brown & Caldwell | Design | 3 | 11/17/2015 | 3/30/2017 for Design requirements | \$ 316,681.00 | SSFM | SSFM providing services during bidding process as well as construction phase. |
| | | | | Construction | 6 | 8/31/2017 | 10/1/2018 | \$ 4,554,451.00 | | <ul style="list-style-type: none"> Contractor conducting exploratory excavations to resolve manhole relocation issue. Existing concrete-encased utilities are preventing contractor from installing some manholes (especially MH#9 and MH#10) per the original design. CM coordinating between contractor, designer (SSFM), and BC to relocate these manholes as needed. BC/GWA (and maybe SSFM) would make the final call. Precast manhole & surface concrete collar shop drawing is unacceptable to designer (SSFM) due to structural differences -- 5" vs. 10" top slab. PPBC has been instructed that they may proceed if they can find their own PE to stamp the design. Flowable fill around manholes may be acceptable on a case-by-case basis, where there are major existing utility conflicts. No additional cost to GWA would be permitted. PCO #1: 52 calendar day extension mainly due to permitting delays. CM reviewing contractor's CO request. PPBC has back-paid workers, Davis-Bacon requirements are satisfied and invoice #3 can be released. |
| | | | | Const. Mgmt | 8 | 9/19/2017 | 10/1/2018 | \$ 584,725.00 | | CM reviewing and commenting on submittals. |
| 5 | Brown & Caldwell Project Management | Brown & Caldwell to provide program management services and support. | T. Cruz | Design | 4 | 3/24/2015 | 2/28/2019 | \$ 1,819,850.00 | B&C | Project underway. |
| | | | | Construction | | | | The project does not involve construction. | | |
| | | | | Const. Mgmt | | | | | | |
| 6 | Wastewater, Water and Source Water System Master Plan Upgrade | Update of the existing water and wastewater master plan while factoring in military integration and secondary treatment plant options. | Brown & Caldwell | Design | 5 | 7/6/2015 | 01/30/2018 (revised due to financial workshop) | \$ 2,623,300.00 | B&C | <ul style="list-style-type: none"> Volumes 1, 2 and 3 Final Public Review Draft submitted on 4/10. CCU approved Master Plan release at special work session on 4/10. WRMPU Flyer and public meeting presentation will need to be updated for final financial plan. Budget is expended - additional work for the public meetings and SFO Presentation ~\$28,000. Public meetings to be scheduled. |
| | | | | Construction | | | | The project does not involve construction. | | |
| | | | | Const. Mgmt | | | | | | |

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| 7 | Groundwater Wells Rehabilitation (F-3, A-2, A-7, A-12, D-5) | Rehabilitation of existing deep wells and/or in cases where pipe column needs replacing, wells will be re-drilled. The deep wells to be rehabilitated are A-2, A-7, A-12, D-5, & F-3. | Brown & Caldwell | Design | 6 | 5/27/2016 | 2/28/2018 (for design only) | \$ 1,758,247.00 | AECOM | · AECOM submitted final design package to BC by 3/19/18. A-12: Design rate of 200 gpm (45.5 ft drawdown). D-05: Design rate of 125 gpm (39 ft drawdown). A-02: Design rate of 250 gpm (34.6 ft drawdown). F-03: Design rate of 200 gpm (1.5 ft drawdown). |
| | | | | Construction | | 9/30/2018 | 9/30/2019 | | | SRF grant funds specific to project pending FY18 grant approvals and award. |
| | | | | Const. Mgmt | | 9/30/2018 | 9/30/2019 | | | · Draft CM scope submitted to GWA. |
| 8 | Tumon Sewer Hot Spots | Investigation, evaluation, and repair of possible solutions, to long plaguing issues where sewer overflows are known to occur in Tumon San Vitores. | Brown & Caldwell | Design | 7 | 6/24/2016 | 10/30/2017 for design only | \$ 572,089.00 | TG Engineers | · TGE to provide engineering services during bid process. |
| | | | | Construction | | 3/23/2017 | 3/22/2018 | | | Procurement 50%; bid package being prepared. |
| | | | | Const. Mgmt | | 3/23/2017 | 3/22/2018 | | | Procurement 50%; RFP package being prepared. |
| 9 | Critical Sewer Pump Stations (7 stations) | Rehabilitation of various components of 7 pump stations that were identified to by the CDM design team: Macheche, Ypaopao, Astumbo 1, Fujita, Santa Ana, Southern Link, and Route 1. | CDM | Design | | | | The design will be incorporated into the design/build package. | | |
| | | | J. Davis | Design/Build | 1 | 8/8/2016 | 3/30/2018 | \$ 1,531,456.33 | ProPacific | -Route 16 Pump Stations- Structural Evaluation done. Waiting for the report from the Structural Engineer. Additional cost and time extension is anticipated. Change Order #5 with finance for fund cert. - Fujita Pump Station- all work complete, - Macheche PS- all work complete - Santa Ana PS- all work complete, - Southern Link Pump Station - Pending Change Order for Roll up door. - Ypaopao : all work complete - Astumbo : all work complete |
| | | | | Const. Mgmt | 2 | 9/9/2016 | 3/30/2018 | \$ 299,519.00 | Stanley | CM work ongoing. GWA working on Change Order proposal to extend contract to match construction activities. |
| 10 | Sewer Pump Station High Water Alarm Systems (20 stations) | This project will design and installed telemetry equipment/SCADA type alarms that will alert when pump station failure occurs. | C. Yam | Design | | | | The design will be incorporated into the design/build package. | | |
| | | | | Design | 8 | 8/12/2016 | 02/30/2017 | \$ 183,171.00 | AECOM | Design complete |
| | | | | Construction | 5 | 4/5/2017 | 9/30/2017 | \$ 1,444,888.00 | Pacific Rim | Project complete |
| | | | | Const. Mgmt | 3 | 02/30/2017 | 9/30/2017 | \$ 195,269.00 | EMSPCO | CM work complete |

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| 11 | Sewer Pump Station Backup Power (2 stations) | Construction of the housing and installation of new generators for the Casimero pump station (Mongmong) and the Namo pump station (Yona central). | B. Cruz | Design | | | | The design will be incorporated into the design/build package. | | |
| | | | | Design/Build | 2 | 6/24/2016 | 9/30/2017 | \$ 362,692.53 | ProPacific | Design Build project complete. |
| | | | | Const. Mgmt | | | | B. Cruz is the construction manager. | | |
| 12 | RT4 Relief Sewer Line Rehabilitation and Replacement | Rehabilitation of sewer lines that are located from Agana McDonalds to Marine Drive that have been known to overflow due to structural issues. | Brown & Caldwell | Design | 9 | 3/1/2016 | 4/22/2017 | \$ 794,000.00 | AECOM | AECOM to provided services during bidding process. |
| | | | | Construction | | 6/30/2018 | 09/31/2019 | | | Procurement 70%, - Rebid advertised on 3/23, Prebid on 4/11, Bid opening on 5/4. Pre-bid meeting (4/11): Granite, Insituform, Propacific, BME, EMPSCO, Giant. |
| | | | | Const. Mgmt | | 4/23/2017 | 12/31/2018 | \$ 647,000.00 | | Procurement 90%, EMPSCO original CM fee (\$647K); revised fee is \$647K + \$157K if two contractors. |
| 13 | Groundwater Wells Rehabilitation (D-3, D-17, D-18, D-22, M-9) | Rehabilitation of existing deep wells and/or in cases where pipe column needs replacing will be re-drilled. D-3, D-17, D-18, D-22, and M-9. | Brown & Caldwell | Design | | | | The design was previously completed under bond funding. | | |
| | | | | Construction | 2 | 8/19/2016 | 3/30/2018 | \$ 6,120,353.44 | Pacific Rim | <ul style="list-style-type: none"> Main issues EA/PRC still working on level sensor issues. D-17/22 commissioned on Tuesday (4/10); GWA monitoring now. Provided EA summary of VFD issues; PRC/EA working on determining VFD needed for D-18. M-09: pump rate at 120 gpm; trying to determine actual pump in hole. Response for D-03 submitted to PRC (4/5), and received response back 4/11. Met to discuss D-03 (4/12) with GWA, BC, EA. |
| | | | | Const. Mgmt | 4 | 3/22/2016 | 3/30/2018 | \$ 943,361.24 | EA | GWA to present CCU resolution relative to proposed CM Change Order #4. |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

| | | | | | | | | | | |
|----|--|---|------------------|--|----|-----------|------------------------------|---|--------------|--|
| 14 | Southern SSES Sewer Rehabilitation (Baza Gardens-Talofofo) | Rehabilitation of segments of sewer lines in Windward Hills, Talofofo area where the Sanitary Sewer Evaluation Study recommends rehabilitation. | Brown & Caldwell | Design | | | | The design was previously completed under bond funding. | | |
| | | | | Construction | 3 | 8/2/2016 | 7/2/2017 | \$ 1,189,815.00 | ProPacific | <ul style="list-style-type: none"> Contractor on notice since 12/01/2017 (via formal GWA letter) that continuing delays are unacceptable and grounds for potential default. Santa Rita Wetland area (drawing AG-101): On 3/15, Contractor notified BC/GWA that progress could not be made on sewer line MH5678 -- MH5679 due to the line filling with rocks. BC and GWA have discussed alternatives. Open cut through wetland may be least costly to GWA, but problematic construction-wise. Contractor prefers to construct a lift station. Meeting scheduled for 4/13 with Tom, Kelly Clark, and Tony Chargualaf (and BC) to determine path forward. On 3/30, BC/GWA held site visit with USACE. On 4/3, BC held site visit with GEPA. PPBC continually bypass pumping through the wetland area. Contractor also working on additional CIPP defects at 5680-5681. Awaiting IMS robotic cutter, currently in transit. Baza Gardens area: Contractor awaiting IMS robotic cutter to finish reinstating laterals. |
| | | | | Const. Mgmt | 5 | 7/29/2016 | 5/28/2017 | \$ 347,945.93 | EMPSCO | <ul style="list-style-type: none"> PM to work on Change Order to extend contract and amount. |
| 15 | Tamuning Sewer Hot Spots | Sewer rehabilitation for lines at Winner Apartments, Segund Leon Guerrero, and behind Guam Premium Outlets. | Brown & Caldwell | Design | 10 | 9/9/2016 | 10/31/2017 (for design only) | \$ 663,629.00 | TG Engineers | <ul style="list-style-type: none"> TGE to provide engineering services during bid process. |
| | | | | Construction | | 4/29/2017 | 4/30/2018 | | | Procurement 50%; bid package being prepared. |
| | | | | Const. Mgmt | | 4/29/2017 | 4/30/2018 | | | Procurement 50%; RFP package being prepared. |
| 16 | Talofofo Sewer Pump Stations (4 stations) | Design and construction of 4 sewer lift stations in the Talofofo village where sewer lines are installed but never completed. | J. Davis | Design (for Talofofo and Chalan Pago PS) | 11 | 8/17/2016 | 11/30/2017 | \$ 477,999.50 | EMPSCO | <ul style="list-style-type: none"> Talofofo Pump Station design /bid package received. Final Design of Chalan Pago Pump Station project under review by GWA. Change Order related to snails to be executed. |
| | | | | Construction | | 4/29/2017 | 4/30/2018 | | | |
| | | | | Const. Mgmt | | 4/29/2017 | 4/30/2018 | | | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

| | | | | | | | | | | |
|----|---|--|------------------|--------------|----|-----------|------------|--|--------------|---|
| 17 | Chalan Pago Sewer Pump Station | Design and construction of sewer lift stations and gravity lines in Scott Laguana, Santa Cruz Street Chalan Pago. | J. Davis | Design | | 8/17/2016 | 11/30/2017 | The design will be included with the Talofofo Pump Station design project. | | |
| | | | | Construction | | 4/29/2017 | 4/30/2018 | | | |
| | | | | Const. Mgmt | | 4/29/2017 | 4/30/2018 | | | |
| 18 | Water Hydraulic Model (SCADA ready instruments to update Model) | Design and construction of instrumentation at key water sites in the Barrigada service area necessary to update GWA Water hydraulic model. | Barbara Cruz | Design | 12 | 8/3/2016 | 3/15/2017 | \$ 523,268.00 | GHD | Design complete. |
| | | | | Construction | | 2/1/2017 | 12/30/2019 | | | Funding for construction project to be from FY18 grant that is still pending. |
| | | | | Const. Mgmt | | 2/1/2017 | 12/30/2019 | | | |
| 19 | Macheche Hill Sewer Rehabilitation/ Replacement | Rehabilitation of sewer lines on Macheche road. Segments of this sewer line has collapsed recently and is consider a high priority. | J. Davis | Design-Build | 3 | 8/29/2016 | 3/30/2018 | \$ 2,202,545.47 | Giant Const. | Construtcion project complete. |
| | | | | Const. Mgmt | 6 | 9/16/2016 | 3/30/2018 | \$ 379,994.38 | Am Orient | CM work complete. |
| 20 | Asan-Adelup-Hagatna Rt. 1 Sewer Line Rehabilitation and Replacement Emergency Repairs | Rehabilitation of sewer line in Asan that collapsed and which is current fitted with a temporary pumping system. | Brown & Caldwell | Design | | | | Design cost covered under 3A above. | | |
| | | | | Construction | 4 | 3/8/2017 | 12/30/2017 | \$ 2,470,658.00 | | GWA waiting on as-builts. |
| | | | | Const. Mgmt | 7 | 1/24/2017 | 12/30/2017 | covered under 3A | | CM work complete. |

DASHBOARD

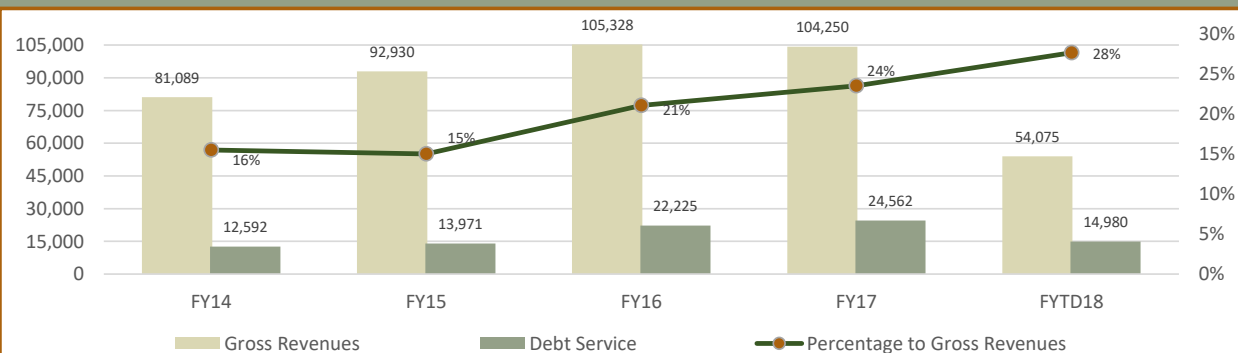
FYTD March 2018 Budget vs Actual (\$000)

| Category | Description | Budget FYTD18 | Actual FYTD18 | Variance |
|--------------------------|---------------------|---------------|---------------|-----------|
| Rate Based Revenues | Water | \$35,649 | \$34,054 | (\$1,595) |
| | Wastewater | 19,931 | 19,815 | (115) |
| | Total | 55,580 | 53,870 | (1,710) |
| Operations & Maintenance | Salaries & Benefits | 13,258 | 11,824 | 1,434 |
| | Power | 6,348 | 7,117 | (769) |
| | Water Purchases | 4,327 | 4,515 | (188) |
| | A&G | 6,433 | 5,255 | 1,179 |
| | Contractual | 2,239 | 2,229 | 11 |
| | Total | \$42,261 | \$41,830 | \$431 |

Key Financial Ratios (\$000)

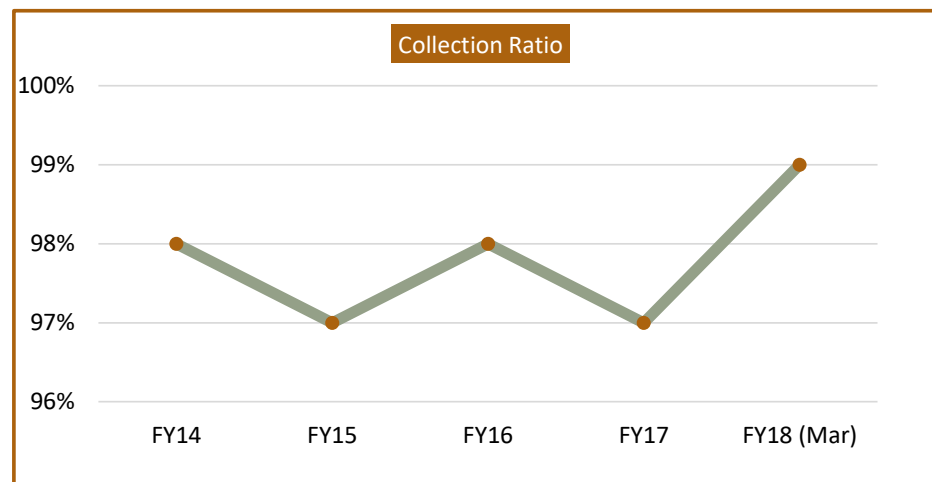
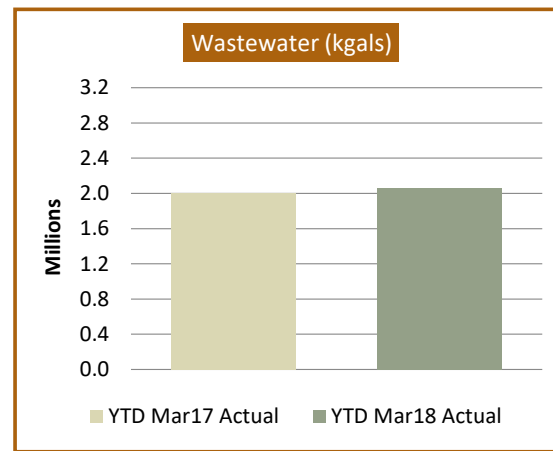
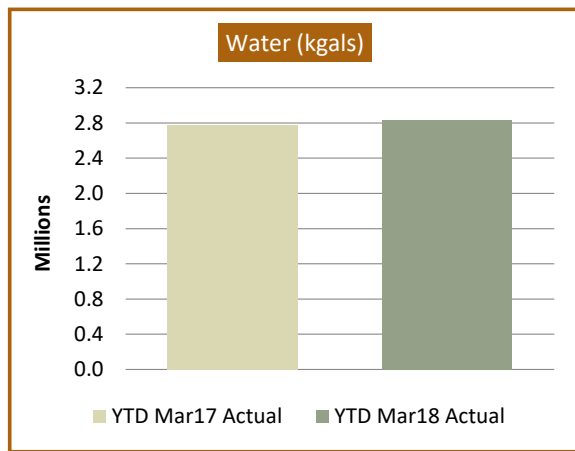
| Category | FY18 | FY17 |
|-------------------------------------|--------------------|--------------------|
| Accounts Payable \$\$/Days | \$4,234 / 38 days | \$5,390 / 59 days |
| Accounts Receivable \$\$/Days | \$15,522 / 51 days | \$15,451 / 51 days |
| Days Cash On Hand | 188 days | 184 days |
| Annual Debt Service (Revenue Bonds) | \$29,961 | \$24,563 |
| Debt Service Coverage (Bond/PUC) | 1.46 / 1.83 | 1.99 / 2.44 |

Debt as a Percent to Gross Revenue

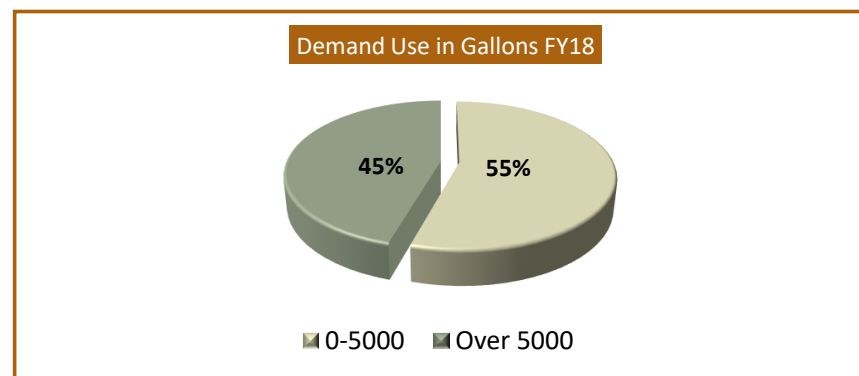
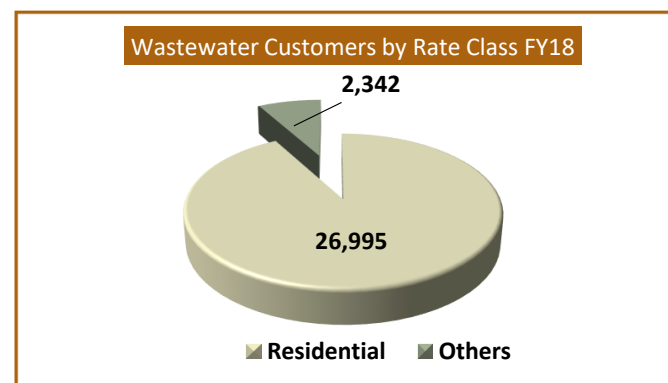
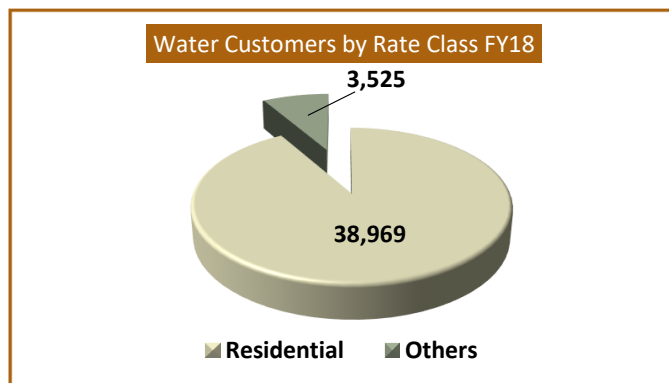
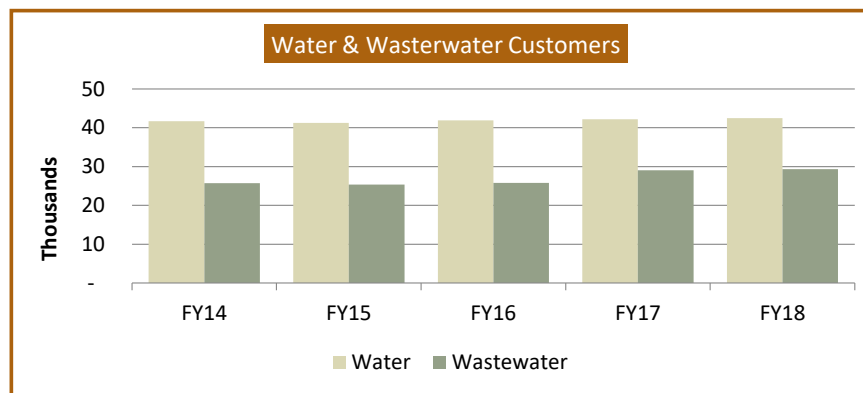


(1) Gross Revenues excludes SDC
(2) Debt Service Excludes Cap I

Water & Wastewater Analytics



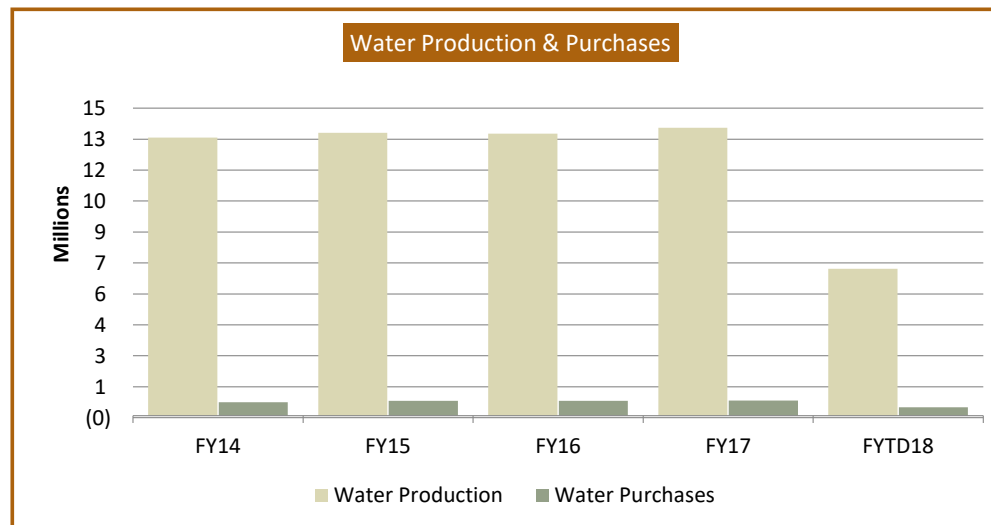
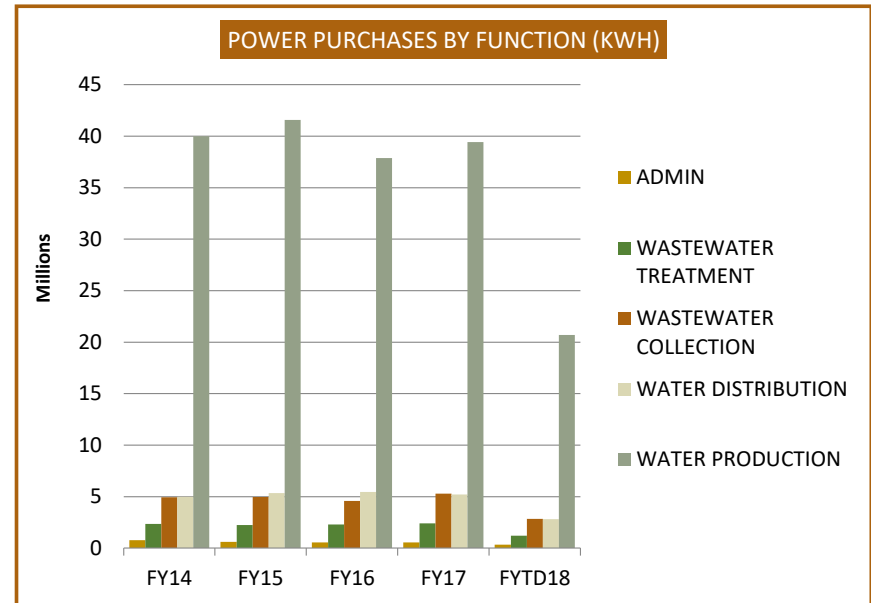
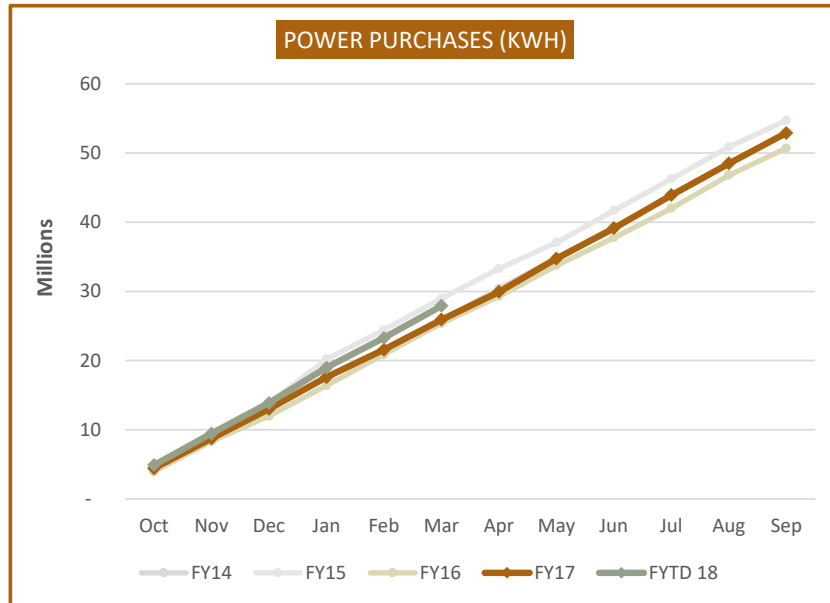
Water & Wastewater Customers



Top Ten Largest Water and Wastewater Customers – March 2018

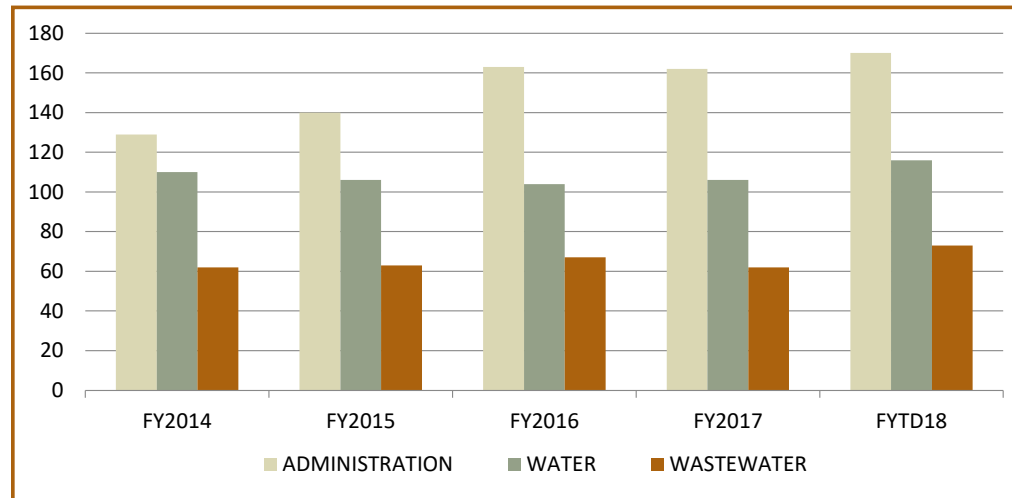
| Water | | | Wastewater | | |
|-----------------------------------|--------------------|---------------|--------------------------------|--------------------|---------------|
| Customer Name | FYTD18 Revenues | % of Total | Customer Name | FYTD18 Revenues | % of Total |
| 1) MDI GUAM CORPORATION/LEOPALACE | \$673,102 | 1.97% | 1) AIR FORCE DOD | \$1,838,771 | 9.28% |
| 2) PACIFIC ISLANDS CLUB | 572,714 | 1.68% | 2) NAVY DOD | 1,234,250 | 6.23% |
| 3) HOTELS OF THE MARIANAS INC | 494,531 | 1.45% | 3) HOTELS OF THE MARIANAS INC | 528,826 | 2.67% |
| 4) HYATT | 455,448 | 1.33% | 4) HYATT | 487,598 | 2.46% |
| 5) HOTEL NIKKO GUAM | 443,061 | 1.30% | 5) HOTEL NIKKO GUAM | 473,539 | 2.39% |
| 6) GUAM REEF HOTEL INC | 412,701 | 1.21% | 6) GUAM REEF HOTEL INC | 441,680 | 2.23% |
| 7) SHERATON LAGUNA GUAM RESORT | 393,433 | 1.15% | 7) SHERATON LAGUNA GUAM RESORT | 420,983 | 2.12% |
| 8) MDI GUAM CORPORATION/WESTIN | 320,996 | 0.94% | 8) MDI GUAM CORPORATION/WESTIN | 343,173 | 1.73% |
| 9) OUTRIGGER GUAM RESORT | 314,965 | 0.92% | 9) OUTRIGGER GUAM RESORT | 337,449 | 1.70% |
| 10) TANOTA DEVELOPMENT LLC | 304,080 | 0.89% | 10) TANOTA DEVELOPMENT LLC | 326,284 | 1.65% |
| Total | \$4,385,031 | 12.83% | Total | \$6,432,553 | 32.47% |

Power, Water Purchases and Water Production

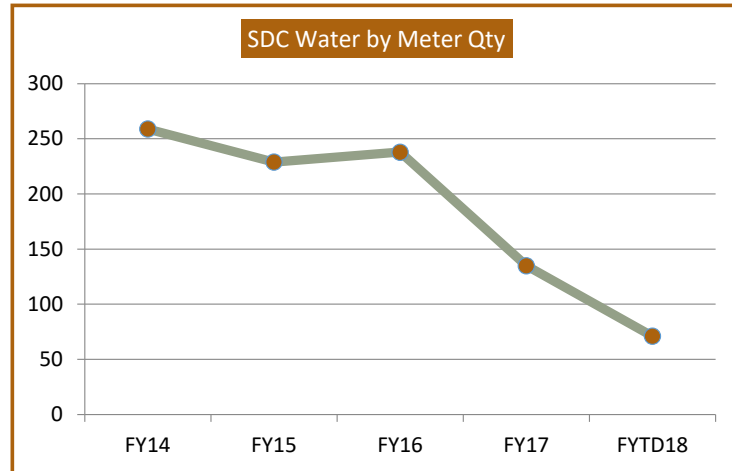


FTE by Major Division

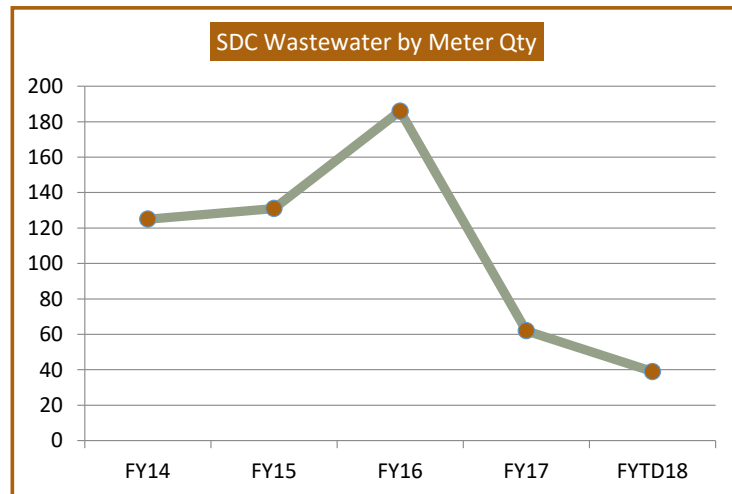
| <u>DIVISION</u> | <u>FY2014</u> | <u>FY2015</u> | <u>FY2016</u> | <u>FY2017</u> | <u>FYTD18</u> |
|--------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ADMINISTRATION | 129 | 140 | 163 | 162 | 170 |
| WATER | 110 | 106 | 104 | 106 | 116 |
| WASTEWATER | <u>62</u> | <u>63</u> | <u>67</u> | <u>62</u> | <u>73</u> |
| TOTAL NUMBER OF STAFF | <u>301</u> | <u>309</u> | <u>334</u> | <u>330</u> | <u>359</u> |
| Gross Salaries & Wages (\$000) | 15,532 | 15,805 | 16,442 | 17,210 | 8,896 |
| Water Customers | 41,702 | 41,274 | 41,858 | 42,181 | 42,494 |
| Staff to Customers Ratio | 0.72% | 0.75% | 0.80% | 0.78% | 0.84% |



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 | 63 |
| 1 | 5 | 5 | 7 | 2 | 1 |
| 1 1/2 | 1 | 1 | 1 | 1 | 3 |
| 2 | 3 | 2 | 4 | 2 | 3 |
| 3 | 1 | - | 1 | - | - |
| 4 | - | 1 | - | - | 1 |
| 6 | - | - | - | 1 | - |
| 8 | 1 | - | - | - | - |
| 10 | - | - | - | - | - |
| Total SDC by Water | 259 | 229 | 252 | 135 | 71 |



| Actual Meter Sizes (Inches) | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FYTD18 |
|--------------------------------|------------|------------|------------|-----------|-----------|
| 5/8 x 3/4 | 115 | 124 | 179 | 58 | 31 |
| 1 | 4 | 3 | 2 | - | 1 |
| 1 1/2 | 1 | 1 | 1 | 1 | 3 |
| 2 | 3 | 2 | 3 | 2 | 3 |
| 3 | 1 | - | 1 | - | - |
| 4 | - | 1 | - | - | - |
| 6 | - | - | - | 1 | 1 |
| 8 | 1 | - | - | - | - |
| 10 | - | - | - | - | - |
| Total SDC by Wastewater | 125 | 131 | 186 | 62 | 39 |

**GUAM WATERWORKS AUTHORITY
MARCH 31, 2018
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
March 31, 2018

SCHEDULE A

| ASSETS | Unaudited March 31, 2018 | Unaudited September 30, 2017 | Increase (Decrease) |
|--|-------------------------------------|---|--------------------------------|
| <u>Current Assets:</u> | | | |
| Cash: | | | |
| Unrestricted (Schedule G) | 3,532,281 | 4,873,275 | (1,340,994) |
| Restricted Funds (Schedule G) | 69,847,981 | 65,124,400 | 4,723,580 |
| Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$12,961,650 at Mar 31, 2018 and \$12,619,034 at Sep 30, 2017 | 15,521,507 | 15,450,733 | 70,773 |
| Other Receivable | 2,546,374 | 8,433,446 | (5,887,071) |
| Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$457,370 at Mar 31, 2018 and Sep 30, 2017 | 2,140,862 | 2,166,557 | (25,695) |
| Total Current Assets | 93,589,005 | 96,048,411 | (2,459,406) |
| <u>Property, Plant and Equipment</u> | | | |
| Utility plant in service: | | | |
| Water system | 327,940,050 | 327,484,191 | 455,858 |
| Wastewater system | 286,534,706 | 286,394,940 | 139,767 |
| Non-utility property | 18,945,633 | 18,938,255 | 7,378 |
| Total property | 633,420,389 | 632,817,387 | 603,003 |
| Less Accumulated Depreciation | (295,212,630) | (286,043,580) | (9,169,050) |
| Land | 1,163,298 | 1,110,998 | 52,300 |
| Construction Work in Progress | 152,253,920 | 111,695,887 | 40,558,033 |
| Property, Plant and Equipment, net | 491,624,977 | 459,580,691 | 32,044,286 |
| <u>Other noncurrent assets</u> | | | |
| Restricted cash (Schedule G) | 203,839,411 | 236,550,002 | (32,710,591) |
| Investments (Schedule G) | 45,441,883 | 41,042,038 | 4,399,844 |
| Other Prepaid Expenses | 375,173 | 551,128 | (175,955) |
| Total other noncurrent assets | 249,656,467 | 278,143,169 | (28,486,702) |
| TOTAL ASSETS | 834,870,449 | 833,772,271 | 1,098,178 |
| Deferred outflows of resources: | | | |
| Debt defeasance due to bond refunding | 8,060,648 | 1,695,981 | 6,364,667 |
| Deferred outflows from pension | 3,126,183 | 3,414,242 | (288,060) |
| Total Assets and Deferred Outflows of Resources | 846,057,279 | 838,882,494 | 7,174,785 |
| LIABILITIES AND NET ASSETS | | | |
| <u>Current Liabilities:</u> | | | |
| Current maturities of long-term debt | | | |
| -Series 2010 Bond | - | 1,655,000 | (1,655,000) |
| -Series 2014 Refunding | 3,385,000 | 3,385,000 | - |
| -Notes Payable | 2,873,988 | 2,873,988 | - |
| Accounts Payable -Trade | 4,234,374 | 5,390,256 | (1,155,881) |
| Interest Payable | 6,541,593 | 6,656,499 | (114,906) |
| Accrued Payroll and Employee Benefits | 2,295,757 | 2,604,471 | (308,714) |
| Accrued Annual Leave | 1,729,291 | 1,729,291 | - |
| Current portion of employee annual leave | 567,057 | 567,057 | - |
| Contractors' Payable | 7,956,409 | 13,950,287 | (5,993,878) |
| Customer and Other Deposits | 2,069,700 | 2,087,207 | (17,507) |
| Total Current Liabilities | 31,653,170 | 40,899,057 | (9,245,887) |
| <u>Long Term Debt, less current maturities</u> | | | |
| Series 2010 Revenue Bond | - | 112,870,000 | (112,870,000) |
| Series 2013 Revenue Bond | 172,630,000 | 172,630,000 | - |
| Series 2014 Refunding | 72,610,000 | 72,610,000 | - |
| 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 | (1,313,201) | (1,338,751) | 25,550 |
| Unamortized Premium - Bond 2014 | 4,671,387 | 4,804,694 | (133,307) |
| Unamortized Premium - Bond 2016 | 16,959,228 | 17,262,975 | (303,747) |
| Unamortized Premium - Bond 2017 | 12,517,954 | - | 12,517,954 |
| Notes Payable | 4,229,815 | 5,697,499 | (1,467,684) |
| Unfunded Ret Liability (GASB 67/68) | 38,195,938 | 38,195,938 | - |
| Employee Annual Leave, Less Current Portion | 783,992 | 783,992 | - |
| TOTAL LIABILITIES | 603,908,282 | 605,857,879 | (1,949,597) |
| Net Assets | 242,148,998 | 233,024,615 | 9,124,383 |
| Total Liabilities and Net Assets | 846,057,279 | 838,882,494 | 7,174,785 |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative Budget vs. Actual for the period ending March 31, 2018

SCHEDULE B

| | Month to Date | | Variance |
|--|------------------|--------------------|------------------|
| | Budget | Actual (Unaudited) | Favorable / |
| | March-18 | March-18 | (Unfavorable) |
| OPERATING REVENUES | | | |
| Water Revenues | 5,743,160 | 5,351,350 | (391,810) |
| Wastewater Revenues | 3,228,257 | 3,118,362 | (109,895) |
| Legislative Surcharge | 291,896 | 278,288 | (13,608) |
| Other Revenues | 57,638 | 42,056 | (15,582) |
| System Development Charge | 46,136 | 101,825 | 55,689 |
| Total Operating Revenues | 9,367,087 | 8,891,880 | (475,207) |
| OPERATING AND MAINTENANCE EXPENSES | | | |
| Water Purchases | 721,113 | 737,916 | (16,802) |
| Power Purchases | 1,057,997 | 1,275,115 | (217,118) |
| Total Utility Costs | 1,779,110 | 2,013,030 | (233,920) |
| Salaries and Wages | 1,625,056 | 1,653,002 | (27,946) |
| Pension and Benefits | 584,558 | 529,011 | 55,547 |
| Total Salaries and Benefits | 2,209,614 | 2,182,014 | 27,601 |
| Capitalized Labor and Benefits | (208,333) | - | (208,333) |
| Net Salaries and Benefits | 2,001,281 | 2,182,014 | (180,733) |
| Administrative and General Expenses | | | |
| Sludge removal | 174,514 | 105,997 | 68,517 |
| Chemicals | 229,997 | 114,592 | 115,404 |
| Materials & Supplies | 237,400 | 146,914 | 90,486 |
| Transportation | 61,370 | 52,744 | 8,626 |
| Communications | 16,182 | 9,522 | 6,660 |
| Claims | 17,600 | 23,719 | (6,119) |
| Insurance | 97,757 | 75,480 | 22,277 |
| Training & Travel | 21,814 | 14,181 | 7,633 |
| Advertising | 13,910 | 19,950 | (6,040) |
| Miscellaneous | 115,515 | 60,506 | 55,009 |
| Regulatory Expense | 29,086 | 19,828 | 9,259 |
| Bad Debts Provision | 57,103 | 58,334 | (1,231) |
| Total Administrative and General Expense | 1,072,248 | 701,767 | 370,481 |
| Depreciation Expense | 1,528,175 | 1,528,175 | (0) |
| Contractual Expense | | | |
| Audit & Computer Maint. | 78,630 | 61,912 | 16,718 |
| Building rental | 37,955 | 37,028 | 927 |
| Equipment rental | 57,375 | 57,106 | 269 |
| Legal | 4,167 | 600 | 3,567 |
| Laboratory | 64,752 | 1,999 | 62,753 |
| Other | 130,363 | 93,461 | 36,902 |
| Total Contractual Expense | 373,241 | 252,105 | 121,136 |
| Retiree Supp. Annuities and health care costs | 240,008 | 236,940 | 3,068 |
| Contribution to Government of Guam | 49,500 | 49,833 | (333) |
| Total Retiree Benefits | 289,508 | 286,774 | 2,735 |
| Total Operating Expenses | 7,043,563 | 6,963,865 | 79,699 |
| Earnings (Loss) from Operations | 2,323,524 | 1,928,016 | 395,508 |
| Interest Income-2013/14/16/17 Series Bond | 15,727 | 196,587 | 180,860 |
| Interest Income-Other Funds | 2,935 | 32,637 | 29,702 |
| Interest Income-SDC | 2,414 | 1,772 | (642) |
| Interest Expense- 2013/14/16/17 Series Bond | (2,625,587) | (2,224,260) | 401,327 |
| Interest Expense- ST BOG | (33,288) | (35,806) | (2,518) |
| Federal Expenditures | (51,332) | (60,070) | (8,738) |
| 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 Bond05 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) | (1,602,136) | 644,356 |
| Net Income (Loss) before capital contributions | 77,032 | 325,880 | 248,848 |
| Capital Contributions | | | |
| Grants from US Government | 873,108 | 1,152,604 | 279,496 |
| Grants from GovGuam & Others | - | - | - |
| Other Contributions | - | - | - |
| Total Capital Contributions | 873,108 | 1,152,604 | 279,496 |
| Change in Net Assets | 950,140 | 1,478,485 | 528,344 |
| Debt Service Calculation | | | |
| Earnings From Operations | 2,323,524 | 1,928,016 | |
| System Development Charge | (46,136) | (101,825) | |
| Retiree COLA | 49,500 | 49,833 | |
| Interest/Investment Income | 2,935 | 32,637 | |
| Depreciation | 1,528,175 | 1,528,175 | |
| Balance Available for Debt Service per Section 6.12 | 3,857,998 | 3,436,836 | |
| 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 | 4,372,157 | |
| Debt Service | | | |
| Principal | 433,333 | 433,333 | |
| Interest | 2,063,402 | 2,063,402 | |
| Total | 2,496,736 | 2,496,736 | |
| Debt Service Coverage (1.25X)- per Section 6.12 (Indenture) | 1.55 | 1.38 | |
| Debt Service Coverage (1.75X) inclusive of reserves (PUC) | 1.75 | 1.75 | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative for the period ending March 31, 2018 and 2017

SCHEDULE C

| | Month to Date | | Variance |
|--|--------------------|--------------------|--------------------|
| | Actual (Unaudited) | Actual (Unaudited) | Favorable / |
| | March-18 | March-17 | (Unfavorable) |
| OPERATING REVENUES | | | |
| Water Revenues | 5,351,350 | 5,331,404 | 19,946 |
| Wastewater Revenues | 3,118,362 | 3,099,528 | 18,834 |
| Legislative Surcharge | 278,288 | 267,269 | 11,019 |
| Other Revenues | 42,056 | 36,293 | 5,763 |
| System Development Charge | 101,825 | 72,662 | 29,162 |
| Total Operating Revenues | 8,891,880 | 8,807,155 | 84,725 |
| OPERATING AND MAINTENANCE EXPENSES | | | |
| Water Purchases | 737,916 | 609,094 | (128,822) |
| Power Purchases | 1,275,115 | 1,006,355 | (268,760) |
| Total Utility Costs | 2,013,030 | 1,615,449 | (397,581) |
| Salaries and Wages | 1,653,002 | 1,413,608 | (239,394) |
| Pension and Benefits | 529,011 | 477,546 | (51,466) |
| Total Salaries and Benefits | 2,182,014 | 1,891,154 | (290,859) |
| Capitalized Labor and Benefits | - | (262,516) | (262,516) |
| Net Salaries and Benefits | 2,182,014 | 1,628,638 | (553,375) |
| Administrative and General Expenses | | | |
| Sludge removal | 105,997 | 140,487 | 34,490 |
| Chemicals | 114,592 | 174,001 | 59,409 |
| Materials & Supplies | 146,914 | 128,788 | (18,126) |
| Transportation | 52,744 | 53,744 | 1,000 |
| Communications | 9,522 | 10,884 | 1,362 |
| Claims | 23,719 | 22,151 | (1,568) |
| Insurance | 75,480 | 90,603 | 15,123 |
| Training & Travel | 14,181 | 23,055 | 8,873 |
| Advertising | 19,950 | 8,988 | (10,962) |
| Miscellaneous | 60,506 | 71,997 | 11,490 |
| Regulatory Expense | 19,828 | 24,134 | 4,307 |
| Bad Debts Provision | 58,334 | 109,700 | 51,366 |
| Total Administrative and General Expense | 701,767 | 858,530 | 156,763 |
| Depreciation Expense | 1,528,175 | 1,402,038 | (126,137) |
| Contractual Expense | | | |
| Audit & Computer Maint. | 61,912 | 76,901 | 14,989 |
| Building rental | 37,028 | 36,557 | (471) |
| Equipment rental | 57,106 | 59,374 | 2,268 |
| Legal | 600 | 414 | (186) |
| Laboratory | 1,999 | 10,627 | 8,628 |
| Other | 93,461 | 156,747 | 63,286 |
| Total Contractual Expense | 252,105 | 340,619 | 88,514 |
| Retiree Supp. Annuities and health care costs | 236,940 | 231,895 | (5,045) |
| Contribution to Government of Guam | 49,833 | 49,500 | (333) |
| Total Retiree Benefits | 286,774 | 281,395 | (5,378) |
| Total Operating Expenses | 6,963,865 | 6,126,670 | (837,194) |
| Earnings (Loss) from Operations | 1,928,016 | 2,680,485 | (752,469) |
| Interest Income-2013/14/16/17 Series Bond | 196,587 | 65,354 | 131,233 |
| Interest Income-Other Funds | 32,637 | 10,032 | 22,605 |
| Interest Income-SDC | 1,772 | 1,060 | 713 |
| Interest Expense- 2013/14/16/17 Series Bond | (2,224,260) | (2,220,744) | (3,516) |
| Interest Expense- ST BOG | (35,806) | (43,736) | 7,930 |
| Federal Expenditures | (60,070) | (42,501) | (17,569) |
| 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) | (1,602,136) | (1,223,993) | (378,142) |
| Net Income (Loss) before capital contributions | 325,880 | 1,456,492 | (1,130,611) |
| Capital Contributions | | | |
| Grants from US Government | 1,152,604 | 1,815,921 | (663,317) |
| Grants from GovGuam & Others | - | 1,664 | (1,664) |
| Other Contributions | - | - | - |
| Total Capital Contributions | 1,152,604 | 1,817,586 | (664,981) |
| Change in Net Assets | 1,478,485 | 3,274,078 | (1,795,593) |
| Debt Service Calculation | | | |
| Earnings From Operations | 1,928,016 | 2,680,485 | |
| System Development Charge | (101,825) | (72,662) | |
| Retiree COLA | 49,833 | 49,500 | |
| Interest/Investment Income | 32,637 | 10,032 | |
| Depreciation | 1,528,175 | 1,402,038 | |
| Balance Available for Debt Service per Section 6.12 | 3,436,836 | 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 | 4,372,157 | 5,001,527 | |
| Debt Service | | | |
| Principal | 433,333 | 420,000 | |
| Interest | 2,063,402 | 1,626,858 | |
| Total | 2,496,736 | 2,046,858 | |
| Debt Service Coverage (1.25X)- per Section 6.12 (Indenture) | 1.38 | 1.99 | |
| Debt Service Coverage (1.75X) inclusive of reserves (PUC) | 1.75 | 2.44 | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative Budget vs. Actual for the period ending March 31, 2018

SCHEDULE D

| | Budget March-18 | Encumbered March-18 | Year to Date Actual (Unaudited) March-18 | Variance Favorable / (Unfavorable) |
|--|--------------------|------------------------|--|--|
| OPERATING REVENUES | | | | |
| Water Revenues | 34,458,960 | | 32,913,919 | (1,545,042) |
| Wastewater Revenues | 19,369,544 | | 19,258,143 | (111,401) |
| Legislative Surcharge | 1,751,376 | | 1,697,671 | (53,705) |
| Other Revenues | 345,828 | | 205,242 | (140,586) |
| System Development Charge | 276,815 | | 655,080 | 378,266 |
| Total Operating Revenues | 56,202,523 | | 54,730,055 | (1,472,468) |
| OPERATING AND MAINTENANCE EXPENSES | | | | |
| Water Purchases | 4,326,679 | | 4,514,543 | (187,865) |
| Power Purchases | 6,347,981 | | 7,116,770 | (768,788) |
| Total Utility Costs | 10,674,660 | | 11,631,313 | (956,653) |
| Salaries and Wages | 9,750,336 | | 8,896,287 | 854,049 |
| Pension and Benefits | 3,507,350 | | 2,927,571 | 579,779 |
| Total Salaries and Benefits | 13,257,685 | | 11,823,858 | 1,433,827 |
| Capitalized Labor and Benefits | (1,250,000) | | - | (1,250,000) |
| Net Salaries and Benefits | 12,007,685 | | 11,823,858 | 183,827 |
| Administrative and General Expenses | | | | |
| Sludge removal | 1,047,084 | | 620,314 | 426,769 |
| Chemicals | 1,229,981 | | 1,169,476 | 60,505 |
| Materials & Supplies | 1,667,399 | 207,509 | 1,288,814 | 171,076 |
| Transportation | 314,223 | 74,404 | 231,886 | 7,933 |
| Communications | 97,091 | 6,517 | 90,325 | 249 |
| Claims | 66,600 | 9,000 | 32,209 | 25,391 |
| Insurance | 628,539 | | 454,581 | 173,958 |
| Training & Travel | 130,885 | 33,170 | 49,599 | 48,116 |
| Advertising | 83,460 | 35,103 | 47,293 | 1,064 |
| Miscellaneous | 693,093 | 73,973 | 505,791 | 113,329 |
| Regulatory Expense | 132,518 | | 114,266 | 18,252 |
| Bad Debts Provision | 342,616 | | 650,000 | (307,385) |
| Total Administrative and General Expense | 6,433,489 | 439,676 | 5,254,555 | 739,257 |
| Depreciation Expense | 9,169,048 | | 9,169,050 | (2) |
| Contractual Expense | | | | |
| Audit & Computer Maint. | 486,782 | 142,082 | 343,948 | 752 |
| Building rental | 227,730 | | 222,165 | 5,565 |
| Equipment rental | 344,248 | | 468,545 | (124,297) |
| Legal | 25,000 | | 3,000 | 22,000 |
| Laboratory | 373,510 | 181,312 | 191,923 | 275 |
| Other | 782,179 | - | 999,014 | (216,836) |
| Total Contractual Expense | 2,239,447 | 323,394 | 2,228,595 | (312,542) |
| Retiree Supp. Annuities and health care costs | 1,440,050 | | 1,423,935 | 16,115 |
| Contribution to Government of Guam | 297,000 | | 299,000 | (2,000) |
| Total Retiree Benefits | 1,737,050 | - | 1,722,935 | 14,115 |
| Total Operating Expenses | 42,261,380 | 763,071 | 41,830,306 | (331,997) |
| Earnings (Loss) from Operations | 13,941,144 | (763,071) | 12,899,750 | (1,804,465) |
| Interest Income-2013/14/16/17 Series Bond | 94,360 | | 1,064,453 | 970,094 |
| Interest Income-Other Funds | 17,608 | | 169,036 | 151,427 |
| Interest Income-SDC | 14,486 | | 22,381 | 7,896 |
| Interest Expense- 2013/14/16/17 Series Bond | (15,753,523) | | (13,174,667) | 2,578,857 |
| Interest Expense- ST BOG | (199,729) | | (218,891) | (19,162) |
| Federal Expenditures | (307,993) | | (260,186) | 47,807 |
| Loss on Asset Disposal | - | | - | - |
| AFUDC | 3,750,000 | | 3,750,000 | - |
| Amortization of Discount, Premium and Issuance Costs | (371,165) | | (47,044) | 324,121 |
| Loss on Defeasance Bond05 Refunding | (91,310) | | (74,661) | 16,649 |
| Deferred outflows from pension | (631,684) | | (288,060) | 343,624 |
| Prior Year Adjustment | - | | 9,284 | 9,284 |
| Total non-operating revenues (expenses) | (13,478,951) | - | (9,048,355) | 4,430,596 |
| Net Income (Loss) before capital contributions | 462,193 | (763,071) | 3,851,395 | 2,626,132 |
| Capital Contributions | | | | |
| Grants from US Government | 5,238,649 | | 5,135,255 | (103,394) |
| Grants from GovGuam & Others | - | | 137,733 | 137,733 |
| Other Contributions | - | | - | - |
| Total Capital Contributions | 5,238,649 | - | 5,272,988 | 34,338 |
| Change in Net Assets | 5,700,842 | (763,071) | 9,124,383 | 2,660,470 |
| Debt Service Calculation | | | | |
| Earnings From Operations | 13,941,144 | | 12,899,750 | |
| System Development Charge | (276,815) | | (655,080) | |
| Retiree COLA | 297,000 | | 299,000 | |
| Interest/Investment Income | 17,608 | | 169,036 | |
| Depreciation | 9,169,048 | | 9,169,050 | |
| Balance Available for Debt Service per Section 6.12 | 23,147,985 | | 21,881,755 | |
| Working Capital Reserve Available for Debt Service | 5,611,926 | | 5,592,805 | |
| Transfer to Working Capital- Debt Service Reserve | (900,000) | | - | |
| Transfer to Working Capital- O&M Reserve | (1,600,000) | | - | |
| Balance Available for Debt Service inclusive of reserves | 26,259,912 | | 27,474,560 | |
| Debt Service | | | | |
| Principal | 2,600,000 | | 2,600,000 | |
| Interest | 12,380,413 | | 12,380,413 | |
| Total | 14,980,413 | | 14,980,413 | |
| Debt Service Coverage (1.25X)- per Section 6.12 (Indenture) | 1.55 | | 1.46 | |
| Debt Service Coverage (1.75X) inclusive of reserves (PUC) | 1.75 | | 1.83 | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings (Unaudited)
Comparative for the period ending March 31, 2018 and 2017

SCHEDULE E

| | Year to Date | | Variance |
|--|--------------------|--------------------|---------------------|
| | ACTUAL (Unaudited) | ACTUAL (Unaudited) | Favorable / |
| | March-18 | March-17 | (Unfavorable) |
| OPERATING REVENUES | | | |
| Water Revenues | 32,913,919 | 31,988,421 | 925,497 |
| Wastewater Revenues | 19,258,143 | 18,597,166 | 660,977 |
| Legislative Surcharge | 1,697,671 | 1,603,613 | 94,058 |
| Other Revenues | 205,242 | 217,757 | (12,515) |
| System Development Charge | 655,080 | 435,973 | 219,107 |
| Total Operating Revenues | 54,730,055 | 52,842,931 | 1,887,125 |
| OPERATING AND MAINTENANCE EXPENSES | | | |
| Water Purchases | 4,514,543 | 3,654,562 | (859,981) |
| Power Purchases | 7,116,770 | 6,038,131 | (1,078,638) |
| Total Utility Costs | 11,631,313 | 9,692,694 | (1,938,619) |
| Salaries and Wages | 8,896,287 | 8,481,651 | (414,636) |
| Pension and Benefits | 2,927,571 | 2,865,274 | (62,297) |
| Total Salaries and Benefits | 11,823,858 | 11,346,925 | (476,933) |
| Capitalized Labor and Benefits | - | (1,575,095) | (1,575,095) |
| Net Salaries and Benefits | 11,823,858 | 9,771,831 | (2,052,027) |
| Administrative and General Expenses | | | |
| Sludge removal | 620,314 | 842,921 | 222,606 |
| Chemicals | 1,169,476 | 1,044,007 | (125,470) |
| Materials & Supplies | 1,288,814 | 772,726 | (516,088) |
| Transportation | 231,886 | 322,466 | 90,581 |
| Communications | 90,325 | 65,303 | (25,022) |
| Claims | 32,209 | 132,906 | 100,697 |
| Insurance | 454,581 | 543,616 | 89,035 |
| Training & Travel | 49,599 | 138,327 | 88,728 |
| Advertising | 47,293 | 53,927 | 6,633 |
| Miscellaneous | 505,791 | 431,979 | (73,811) |
| Regulatory Expense | 114,266 | 144,807 | 30,541 |
| Bad Debts Provision | 650,000 | 658,198 | 8,198 |
| Total Administrative and General Expense | 5,254,555 | 5,151,183 | (103,372) |
| Depreciation Expense | 9,169,050 | 8,412,227 | (756,823) |
| Contractual Expense | | | |
| Audit & Computer Maint. | 343,948 | 461,406 | 117,458 |
| Building rental | 222,165 | 219,339 | (2,826) |
| Equipment rental | 468,545 | 356,243 | (112,301) |
| Legal | 3,000 | 2,484 | (516) |
| Laboratory | 191,923 | 63,759 | (128,164) |
| Other | 999,014 | 940,483 | (58,531) |
| Total Contractual Expense | 2,228,595 | 2,043,714 | (184,881) |
| Retiree Supp. Annuities and health care costs | 1,423,935 | 1,391,372 | (32,562) |
| Contribution to Government of Guam | 299,000 | 297,000 | (2,000) |
| Total Retiree Benefits | 1,722,935 | 1,688,372 | (34,562) |
| Total Operating Expenses | 41,830,306 | 36,760,021 | (5,070,284) |
| Earnings (Loss) from Operations | 12,899,750 | 16,082,909 | (3,183,159) |
| Interest Income-2013/14/16/17 Series Bond | 1,064,453 | 392,126 | 672,327 |
| Interest Income-Other Funds | 169,036 | 60,191 | 108,845 |
| Interest Income-SDC | 22,381 | 6,359 | 16,023 |
| Interest Expense- 2013/14/16/17 Series Bond | (13,174,667) | (13,324,463) | 149,796 |
| Interest Expense- ST BOG | (218,891) | (262,418) | 43,526 |
| Federal Expenditures | (260,186) | (255,009) | (5,178) |
| Loss on Asset Disposal | - | (486,627) | 486,627 |
| AFUDC | 3,750,000 | 7,033,446 | (3,283,446) |
| Amortization of Discount, Premium and Issuance Costs | (47,044) | 371,164 | (418,208) |
| Loss on Defeasance Bond05 Refunding | (74,661) | (91,310) | 16,649 |
| Deferred outflows from pension | (288,060) | (626,884) | 338,824 |
| Prior Year Adjustment | 9,284 | (160,534) | 169,818 |
| Total non-operating revenues (expenses) | (9,048,355) | (7,343,959) | (1,704,396) |
| Net Income (Loss) before capital contributions | 3,851,395 | 8,738,950 | (4,887,555) |
| Capital Contributions | | | |
| Grants from US Government | 5,135,255 | 10,895,529 | (5,760,274) |
| Grants from GovGuam & Others | 137,733 | 9,986 | 127,746 |
| Other Contributions | - | - | - |
| Total Capital Contributions | 5,272,988 | 10,905,515 | (5,632,528) |
| Change in Net Assets | 9,124,383 | 19,644,466 | (10,520,083) |
| Debt Service Calculation | | | |
| Earnings From Operations | 12,899,750 | 16,082,909 | |
| System Development Charge | (655,080) | (435,973) | |
| Retiree COLA | 299,000 | 297,000 | |
| Interest/Investment Income | 169,036 | 60,191 | |
| Depreciation | 9,169,050 | 8,412,227 | |
| Balance Available for Debt Service per Section 6.12 | 21,881,755 | 24,416,355 | |
| Working Capital Reserve Available for Debt Service | 5,592,805 | 5,592,805 | |
| Transfer to Working Capital- Debt Service Reserve | - | - | |
| Transfer to Working Capital- O&M Reserve | - | - | |
| Balance Available for Debt Service inclusive of reserves | 27,474,560 | 30,009,160 | |
| Debt Service | | | |
| Principal | 2,600,000 | 2,520,000 | |
| Interest | 12,380,413 | 9,761,151 | |
| Total | 14,980,413 | 12,281,151 | |
| Debt Service Coverage (1.25X)- per Section 6.12 (Indenture) | 1.46 | 1.99 | |
| Debt Service Coverage (1.75X) inclusive of reserves (PUC) | 1.83 | 2.44 | |

SCHEDULE F

Bond Compliance

(\$\$\$)
Per Indenture
 As of 3/31/18
 (\$\$\$)
 Bond
 2013/2014/2016/2017

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

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY 2018

SCHEDULE G

| Description | Unaudited March 31, 2018 | Unaudited September 30, 2017 | Increase (Decrease) |
|---|-----------------------------|---------------------------------|------------------------|
| UNRESTRICTED | | | |
| Change Fund | 2,000 | 2,000 | 0 |
| Petty Cash | 5,000 | 5,000 | 0 |
| BOG - General Fund | 3,495,242 | 4,836,236 | (1,340,994) |
| BOG - PRN Payroll | 30,039 | 30,039 | 0 |
| Sub-total Unrestricted | 3,532,281 | 4,873,275 | (1,340,994) |
| RESTRICTED | | | |
| BOG - On Line Payment | - | - | 0 |
| BOG - Sweep Account | - | - | 0 |
| Bank of Hawaii | 127,213 | 133,931 | (6,718) |
| ANZ Bank | - | (0) | 0 |
| First Hawaiian Bank | 30,972 | 10,261 | 20,711 |
| Bank Pacific | 11,550 | 15,825 | (4,276) |
| Community First FCU | 5,191 | 3,448 | 1,743 |
| BOG - Customer Refunds | 1,847,650 | 1,831,426 | 16,224 |
| Bank Pacific - Surcharge | 395,053 | 278,142 | 116,911 |
| Bank Pacific - Escrow Deposit | 666,636 | 666,140 | 496 |
| BOG Emergency Reserve Fund | 6,125 | 6,122 | 4 |
| BOG - Revenue Trust | 698,048 | 201,614 | 496,434 |
| BOG Revenue Trust Fund | 8,812,897 | 7,782,227 | 1,030,670 |
| BOG Capital Improvement Fund-Bond | 5,598 | 5,598 | 0 |
| BOG Capital Improvement Revenue Fund | 2,223,146 | - | 2,223,146 |
| BOG-O & M Reserve | 13,569,935 | 13,516,540 | 53,395 |
| BOG-Debt Service Reserve | 11,262,149 | 11,217,733 | 44,415 |
| BOG-CAPEX Reserve | 15,522,420 | 15,462,869 | 59,551 |
| BOG Sewer Hookup Revolving Fund | 64,645 | 63,590 | 1,056 |
| BOG Subord. Sec. Fund | 859,233 | 859,233 | 0 |
| BOG Operation and Maintenance Fund | 3,083,482 | 3,083,482 | 0 |
| | 59,191,944 | 55,138,182 | 4,053,762 |
| BOG - SDC Deposit | 4,906,037 | 1,486,219 | 3,419,819 |
| BOG - SDC CDs | 5,750,000 | 8,500,000 | (2,750,000) |
| Total Restricted | 69,847,981 | 65,124,400 | 4,723,580 |
| Reserve Funds | | | |
| BOG Series 05 OMRRRF Fund | 17,423,213 | 17,423,213 | 0 |
| BOG Series 13 Construction Fund | 53,924,084 | 74,461,765 | (20,537,682) |
| BOG Series 14 Refunding Construction Fund | 736,669 | 771,281 | (34,612) |
| BOG Series 16 Construction Fund | 123,114,351 | 132,811,449 | (9,697,098) |
| BOG Series 16 Cap Int Fund | - | 1,782,982 | (1,782,982) |
| BOG Series 17 Refunding Construction Fund | 8,593,596 | 9,299,311 | (705,716) |
| BOG Series 17 Refunding COI Fund | 47,499 | - | 47,499 |
| Total Restricted - Held by Trustee | 203,839,411 | 236,550,002 | (32,710,591) |
| USB Series 2013 Debt Service Fund | 2,344,613 | 2,336,754 | 7,859 |
| USB Series 2013 Debt Service Reserve Fund | 12,031,688 | 12,031,688 | 0 |
| USB Series 2014 Refunding Debt Service Fund | 3,542,300 | 1,796,559 | 1,745,742 |
| USB Series 2014 Refunding Debt Service Reserve Fund | 7,760,536 | 7,707,602 | 52,934 |
| USB Series 2016 Debt Service Fund | 1,793,435 | 130 | 1,793,305 |
| USB Series 2016 Debt Service Reserve Fund | 7,594,587 | 7,582,725 | 11,862 |
| USB Series 2010 Debt Service Fund | 1,379,476 | 2,020,121 | (640,645) |
| USB Series 2017 Refunding Debt Service Reserve Fund | 7,566,460 | 7,566,460 | 0 |
| USB Series 2017 Debt Service Fund | 1,428,787 | - | 1,428,787 |
| Total Investments | 45,441,883 | 41,042,038 | 4,399,844 |
| Total Restricted and Unrestricted Cash | 322,661,556 | 347,589,716 | (24,928,160) |

SCHEDULE H

Guam Waterworks Authority
Statement of Cash Flows (Unaudited)
FY 2018

YTD
Mar-18

Increase (decrease) in cash**Cash flows from operating activities:**

| | |
|---|--------------|
| Cash received from trade and others | 54,337,490 |
| Cash payments to suppliers/contractors for goods and services | (19,526,968) |
| Cash payments to employees for services | (13,075,902) |

Net cash provided by operating activities

21,734,620
Cash flows from capital and related financing activities:

| | |
|---------------------------------------|--------------|
| Contributed capital received (grants) | 10,875,442 |
| Acquisition of utility plant | (43,457,213) |
| Repayment of Long Term Debt | 7,108,975 |
| Interest expense | (15,376,629) |

Net cash provided by (used in) capital and related financing activities

(40,849,426)
Cash flows from investing activities:

| | |
|-------------------------------------|------------|
| Transfers from (to) restricted fund | 16,517,943 |
| Interest income received | 1,255,870 |

Net cash provided by investing activities

17,773,813

Net increase (decrease) in cash

(1,340,994)

Unrestricted cash at beginning of the period

4,873,275

Unrestricted cash at end of period

3,532,281

Reconciliation of operating loss to net cash provided by
operating activities:

Operating Income (loss)

13,391,355

Adjustments to reconcile to net cash provided by operating activities:

| | |
|----------------------------------|-----------|
| Depreciation expense | 9,169,050 |
| Other Expense/income | 829,726 |
| (Increase) decrease in assets: | |
| Accounts receivable | (375,058) |
| Materials and supplies inventory | 25,695 |
| Other Assets | 175,955 |

Increase (decrease) in liabilities:

| | |
|---|-------------|
| Accounts payable, Contractors, Retention & Escrow Deposit | (1,155,881) |
| Accrued payroll | (308,714) |
| Customer deposits | (17,507) |

Net cash provided by operating activities

21,734,620

Guam Waterworks Authority
Accounts Receivable - Government
As of March 31, 2018

SCHEDULE I

| Customer Name | No of Accounts | A G I N G | | | | | Outstanding Bal. |
|---|----------------|-----------------|----------------|----------------|---------------|----------------|------------------|
| | | Current Balance | 31-60 days | 61-90 days | 91-120 days | Over 120 days | |
| Guam International Airport Authority | 4 | 39,519 | 52,685 | 45,217 | 10,169 | 132,845 | 280,436 |
| Guam Power Authority | 14 | 16,007 | 482 | 370 | 370 | 157,779 | 175,008 |
| Guam Memorial Hospital Authority | 2 | 37,148 | 41,583 | 35,525 | - | - | 114,256 |
| Port Authority of Guam | 3 | 56,626 | 48,265 | - | - | - | 104,891 |
| Guam Community College | 3 | 12,618 | 11,500 | 8,994 | 9,274 | - | 42,385 |
| University of Guam | 2 | 11,778 | - | - | - | - | 11,778 |
| Guam Housing & Urban Renewal Authority | 7 | 1,185 | - | - | - | 92 | 1,277 |
| Guam Housing Corporation | 1 | 31 | - | - | - | - | 31 |
| Autonomous Agencies | 36 | 174,911 | 154,516 | 90,106 | 19,814 | 290,716 | 730,062 |
| | | | | | | | |
| Department of Education | 51 | 188,335 | 204,781 | 18,685 | 10,139 | 123,314 | 545,254 |
| Department of Parks & Recreation | 16 | 46,550 | 239,934 | 27,309 | 25,816 | 204,251 | 543,860 |
| Department of Corrections | 8 | 114,685 | 48,768 | 50,835 | - | - | 214,287 |
| Department of Public Health & Social Services | 5 | 3,480 | 1,499 | 219 | 382 | 103,711 | 109,291 |
| Mayors' Council of Guam | 48 | 15,749 | 124 | - | - | - | 15,873 |
| Department of Mental Health and Substance | 3 | 7,642 | 1,088 | 7,134 | - | - | 15,863 |
| Department of Youth Affairs | 4 | 3,069 | 3,944 | - | - | - | 7,012 |
| Department of Public Works | 10 | 5,893 | - | - | - | - | 5,893 |
| Guam Fire Department | 8 | 5,600 | - | - | - | - | 5,600 |
| Sanctuary Inc | 1 | 2,569 | - | - | - | - | 2,569 |
| Department of Military Affairs/GUARNG | 1 | 2,560 | - | - | - | - | 2,560 |
| Department of Administration | 2 | 415 | 945 | 163 | 161 | 542 | 2,226 |
| Department of Agriculture | 3 | 2,042 | - | - | - | - | 2,042 |
| Guam Police Department | 2 | 1,092 | - | - | - | - | 1,092 |
| Division of Senior Citizens, DPH&SS | 2 | 355 | 152 | 145 | 53 | - | 706 |
| Guam Public Library | 4 | 157 | - | - | - | - | 157 |
| Guam Veterans Affairs office | 2 | 89 | - | - | - | - | 89 |
| The Office of the Dededo Mayor | 1 | 53 | - | - | - | - | 53 |
| Merizo Mayor | 1 | 26 | - | - | - | - | 26 |
| Guam Solid Waste Authority | 1 | 24 | - | - | - | - | 24 |
| Line Agencies | 173 | 400,384 | 501,234 | 104,490 | 36,552 | 431,819 | 1,474,479 |
| | | | | | | | |
| TOTAL March 31, 2018 | 209 | 575,295 | 655,750 | 194,596 | 56,366 | 722,534 | 2,204,541 |
| | | | | | | | |
| TOTAL September 30, 2017 | 253 | 715,578 | 442,522 | 169,120 | 72,476 | 396,347 | 1,796,043 |
| % INCREASE/ (DECREASE) | -17% | -20% | 48% | 15% | -22% | 82% | 23% |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
2013 Series Bond Project Status
As of March 31, 2018

SCHEDULE J

| PROJECT NAME | ORIGINAL | | Adjusted Project Cost | EXPENDITURES AS OF 03/31/18 | OUTSTANDING ENCUMBRANCES | TOTAL EXPENDITURES AND | | UNOBLIGATED PROJECT COST | Construction fund balance | |
|---|-----------------------|-----------|-----------------------|-----------------------------|--------------------------|------------------------|--------------------|--------------------------|---------------------------|-------------------|
| | APPROVED PROJECT COST | | | | | ENCUMBRANCES | | | AS OF 03/31/18 | |
| 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 | 332,861 | 36,985 | \$ | 369,846 | \$ 30,154 | \$ | 67,139 |
| 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 | 603,390 | 20,610 | \$ | 624,000 | \$ - | \$ | 20,610 |
| 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 | 6,113,951 | 4,798,502 | \$ | 10,912,453 | \$ 238,547 | \$ | 5,037,049 |
| 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 | 10,765,657 | 3,112,344 | \$ | 13,878,000 | \$ (0) | \$ | 3,112,343 |
| 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 | 5,299,747 | 6,305,253 | \$ | 11,605,000 | \$ 0 | \$ | 6,305,253 |
| 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 | 550,968 | 99,933 | \$ | 650,900 | \$ 100 | \$ | 100,032 |
| 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 | 555,848 | 104,465 | \$ | 660,314 | \$ 119,687 | \$ | 224,152 |
| 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 | 341,226 | 30,473 | \$ | 371,699 | \$ 101,301 | \$ | 131,774 |
| Agat/Santa Rita STP Replacement | \$ 19,000,000 | \$ | 67,200,000 | 41,408,528 | 25,791,471 | \$ | 67,200,000 | \$ 0 | \$ | 25,791,472 |
| 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 | | | | | | | | \$ | | 547,225 |
| Total Construction Fund (2013 Series Revenue Bond) | \$ 139,325,000 | \$ | 139,325,000 | \$ 86,223,146 | \$ 46,559,848 | \$ | 132,782,994 | \$ 6,542,006 | \$ | 53,924,084 |

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

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
2014 Series Refunded Bond Project Status
As of March 31, 2018

SCHEDULE K

| PROJECT NAME | ORIGINAL APPROVED PROJECT | ADJUSTED PROJECT COST | EXPENDITURES AS OF 03/31/18 | OUTSTANDING ENCUMBRANCES | TOTAL EXPENDITURES AND | | UNOBLIGATED PROJECT COST | 20% PUC AS OF 03/31/18 | Construction fund balance | |
|--|---------------------------------|-----------------------------|--------------------------------|-----------------------------|------------------------------|----------------------|-----------------------------|---------------------------|------------------------------|----------------|
| | | | | | ENCUMBRANCES | ENCUMBRANCES | | | AS OF 03/31/18 | AS OF 03/31/18 |
| 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 Upgrade | \$ 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 Reduction) | \$ 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 | 3,818,088 | \$ 15,087 | \$ - | \$ 3,833,175 | \$ (0) | \$ 482,600 | \$ 15,087 | |
| 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 WTP Plant 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 Refunded Revenue Bond) | \$ 82,930,086 | \$ 89,711,698 | 88,891,990 | \$ 758,873.38 | \$ - | \$ 89,711,543 | \$ 1 | \$ 13,990,813 | \$ 731,063 | |
| Interest Earned | \$ 6,781,612 | \$ (0) | | | | | \$ (0) | | \$ 5,606 | |
| Total Project Cost Funding | \$ 89,711,698 | \$ 89,711,698 | 88,891,990 | \$ 758,873.38 | \$ - | \$ 89,711,543 | \$ 1 | \$ 13,990,813 | \$ 736,669 | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
2016 Series Bond Project Status
As of March 31, 2018

SCHEDULE L

| PROJECT NAME | ORIGINAL | Adjusted Project Cost | EXPENDITURES AS OF 03/31/18 | OUTSTANDING ENCUMBRANCES | TOTAL EXPENDITURES AND | | UNOBLIGATED PROJECT COST | Construction fund balance | |
|---|-----------------------|-----------------------|-----------------------------|--------------------------|------------------------|----------------------|--------------------------|---------------------------|----------------|
| | APPROVED PROJECT COST | | | | ENCUMBRANCES | ENCUMBRANCES | | AS OF 03/31/18 | AS OF 03/31/18 |
| 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 | 8,638 | 141,362.32 | \$ 150,000 | \$ - | \$ 4,351,000 | \$ | 4,492,362 |
| 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 | 247,056 | 229,237.54 | \$ 476,294 | \$ 1,799,706 | \$ | \$ | 2,028,944 |
| 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 | 151,539 | - | \$ 151,539 | \$ 3,464,461 | \$ | \$ | 3,464,461 |
| 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 | 12,448,322.67 | \$ 14,268,787 | \$ 14,081,213 | \$ | \$ | 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 | 101,034 | 211,949.36 | \$ 312,983 | \$ 36,017 | \$ | \$ | 247,966 |
| Lift Station Upgrades | \$ 2,404,000 | \$ 2,404,000 | 174,340 | 340,415.47 | \$ 514,755 | \$ 1,889,245 | \$ | \$ | 2,229,660 |
| 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 | 9,343,305 | 19,776,343.49 | \$ 29,119,649 | \$ 280,521 | \$ | \$ | 20,056,865 |
| Facilities Plan/Design for Umatac-Merizo WWTP | \$ 527,000 | \$ 527,000 | 224,705 | 27,399.52 | \$ 252,105 | \$ 274,895 | \$ | \$ | 302,295 |
| Agat/Santa Rita STP Replacement | \$ 3,000,000 | \$ 3,000,000 | 902,989 | 216,710.57 | \$ 1,119,700 | \$ 1,880,300 | \$ | \$ | 2,097,011 |
| Agana WWTP Interim Measures | \$ 827,000 | \$ 827,000 | | | \$ - | \$ 827,000 | \$ | \$ | 827,000 |
| Umatac Merizo Replacement | \$ 8,000,000 | \$ 20,800,000 | 2,752,013 | 17,850,241.18 | \$ 20,602,254 | \$ 197,746 | \$ | \$ | 18,047,987 |
| 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 | 46,677 | 1,213,846.39 | \$ 1,260,524 | \$ 737,476 | \$ | \$ | 1,951,323 |
| General Plant Improvements / Water | \$ 2,769,463 | \$ 2,769,463 | 631,745 | 912,014.41 | \$ 1,543,760 | \$ 1,225,703 | \$ | \$ | 2,137,718 |
| Information Technology Integration Improvements | \$ 500,000 | \$ 500,000 | 244,068 | - | \$ 244,068 | \$ 255,932 | \$ | \$ | 255,932 |
| Interest Earned | | \$ - | | | | | \$ | \$ | 888,462 |
| Total Construction Fund (2016 Series Revenue Bond) | \$ 140,019,463 | \$ 140,019,463 | \$ 17,793,574 | \$ 64,592,763 | \$ 82,386,338 | \$ 57,633,125 | \$ 123,114,350 | | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

GUAM WATERWORKS AUTHORITY
2017 Series Refunded Bond Project Status
As of March 31, 2018

SCHEDULE M

| PROJECT NAME | ORIGINAL APPROVED | | Adjusted Project | EXPENDITURES | | TOTAL EXPENDITURES | | UNOBLIGATED | Construction fund | |
|---|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|-------------|-------------------|---------|
| | PROJECT COST | Cost | | AS OF 03/31/18 | ENCUMBRANCES | AND ENCUMBRANCES | PROJECT COST | | AS OF 03/31/18 | balance |
| 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 | \$ 10,254,841 | \$ 18,787 | \$ 10,273,628 | \$ 26,372 | \$ 45,159 | | | |
| 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 | \$ 210,007 | \$ 127,887 | \$ 337,895 | \$ 1,362,105 | \$ 1,489,993 | | | |
| 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 | \$ 730,182 | \$ 44,820 | \$ 775,002 | \$ 124,998 | \$ 169,818 | | | |
| 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 | \$ 456,678 | \$ 17,481 | \$ 474,160 | \$ 0 | \$ 17,482 | | | |
| 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 Assessment of Tank | \$ - | \$ 500,000 | \$ 497,004 | \$ 2,996 | \$ 500,000 | \$ - | \$ 2,996 | | | |
| Agana Heights & Chaot Tanks | \$ - | \$ 4,700,000 | \$ 4,350,014 | \$ 349,986 | \$ 4,700,000 | \$ - | \$ 349,986 | | | |
| 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 malojolj Elevetad & Yigo Elevated | \$ - | \$ 200,000 | \$ 200,000 | \$ - | \$ 200,000 | \$ - | \$ - | | | |
| Public Water System Asser Inventory/Condition Assessment | \$ - | \$ 100,000 | \$ 98,414 | \$ 1,586 | \$ 100,000 | \$ - | \$ 1,586 | | | |
| 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 | \$ 720,836 | \$ 283,287 | \$ 1,004,123 | \$ 100,877 | \$ 384,164 | | | |
| Facilities Plan/Design for Baza Gardens WWTP | \$ 1,250,000 | \$ 1,250,000 | \$ 1,245,244 | \$ 4,756 | \$ 1,250,000 | \$ - | \$ 4,756 | | | |
| Facilities Plan/Design for Agat-Santa Rita WWTP | \$ 900,000 | \$ 899,630 | \$ 891,702 | \$ 7,928 | \$ 899,630 | \$ - | \$ 7,928 | | | |
| 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 | \$ 760,845 | \$ 93,013 | \$ 853,858 | \$ 46,142 | \$ 139,155 | | | |
| 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 | \$ 11,254,925 | \$ 45,075 | \$ 11,300,000 | \$ 200,000 | \$ 245,075 | | | |
| I&I SSES Southern | \$ - | \$ 800,000 | \$ 794,722 | \$ 5,278 | \$ 800,000 | \$ (0) | \$ 5,278 | | | |
| 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 | \$ 339,948 | \$ 14,278 | \$ 354,227 | \$ 0 | \$ 14,279 | | | |
| 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 | \$ 194,849 | \$ 55,151 | \$ 250,000 | \$ - | \$ 55,151 | | | |
| SCADA Improvements - Phase 2 | \$ 1,100,000 | \$ 1,056,986 | \$ 1,028,284 | \$ 28,702 | \$ 1,056,986 | \$ - | \$ 28,702 | | | |
| 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 | \$ 471,450 | \$ 28,237 | \$ 499,687 | \$ 313 | \$ 28,550 | | | |
| General Plant Improvements / Water | \$ 14,370,000 | \$ 7,241,000 | \$ 7,241,000 | \$ 0 | \$ 7,241,000 | \$ 0 | \$ 0 | | | |
| Interest Earned | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 94,874 | | | |
| Total Construction Fund (2010 Series Revenue Bond) | \$ 87,402,000 | \$ 87,402,000 | \$ 78,903,279 | \$ 4,191,887 | \$ 83,095,166 | \$ 4,306,834 | \$ 8,593,595 | | | |

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

GUAM WATERWORKS AUTHORITY**Schedule of Series 2013, 2014 Refunding, 2016 and 2017 Refunding Bond Bank Accounts****As of March 31, 2018****SCHEDULE N****3/31/2018****BANK OF GUAM**

| | |
|---|-------------------|
| BOG - Revenue Account | 8,812,897 |
| BOG - Operations and Maintenance Reserve | 3,083,482 |
| BOG - Operations, Maintenance, Renewal and Replacement Reserve Fund | 17,423,213 |
| BOG - Capital Improvement Fund | 2,228,744 |
| BOG - O & M Reserve | 13,569,935 |
| BOG - Debt Service Reserve | 11,262,149 |
| BOG - CAPEX Reserve | 15,522,420 |
| Total BOG Bank Account Balance | 71,902,840 |

Series 2013 Bond:

| | |
|--|-------------------|
| BOG - Construction Fund | 53,924,084 |
| USB - Debt Service Fund | 2,344,613 |
| USB - Debt Service Reserve Fund | 12,031,688 |
| Total Series 2013 Bond Bank Balance | 68,300,385 |

Series 2014 Refunding Bond:

| | |
|--|-------------------|
| BOG - Construction Fund | 736,669 |
| USB - Debt Service Fund | 3,542,300 |
| USB - Debt Service Reserve Fund | 7,760,536 |
| Total Series 2014 Refunding Bond Bank Balance | 12,039,506 |

Series 2016 Bond:

| | |
|--|--------------------|
| BOG - Construction Account | 123,114,351 |
| BOG - Capitalized Interest Fund | - |
| USB - Debt Service Fund | 1,793,435 |
| USB - Debt Service Reserve Fund | 7,594,587 |
| Total Series 2016 Bond Bank Balance | 132,502,372 |



Guam Waterworks Authority

VEHICLE FLEET STATUS

4/11/2018

| EQUIPMENT STATUS | | | | | SUMMARY | | | | | | |
|------------------|---------------------|-------------------------------|-----------------------------------|------------|-------------|----------------------------|--------------------------|----------------------------|-------------------------|------------------------|------------------|
| Description | Number of Equipment | Number of Equipment Available | Number of Equipment Not Available | Percentage | Operational | Operational w/Rprs Pending | In Shop-Accident Repairs | In Shop-Assessment Pending | In Shop-Repairs Pending | In Shop-Vendor Repairs | Recommend Survey |
| Backhoe | 5 | 1 | 4 | 20% | 1 | 0 | 0 | 0 | 2 | 0 | 2 |
| Bobcat | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Boom Truck | 2 | 1 | 1 | 50% | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Crane | 2 | 0 | 2 | 0% | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Dump Truck | 3 | 1 | 2 | 33% | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| Flat Bed | 1 | 0 | 1 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Forklift | 7 | 6 | 1 | 86% | 6 | 0 | 0 | 0 | 0 | 0 | 1 |
| Fuel Tanker | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heavy Duty | 3 | 0 | 3 | 0% | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Light | 160 | 107 | 53 | 67% | 106 | 1 | 1 | 7 | 8 | 5 | 32 |
| Mini Backhoe | 4 | 0 | 4 | 0% | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| Pumper Truck | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Skidster | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sludge Truck | 5 | 5 | 0 | 100% | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tow | 1 | 0 | 1 | 0% | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Tractor | 2 | 2 | 0 | 100% | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tractor Mower | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trailer | 14 | 11 | 3 | 79% | 11 | 0 | 0 | 0 | 1 | 0 | 2 |
| Trencher | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vaccon | 1 | 1 | 0 | 100% | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vacuum Truck | 3 | 1 | 2 | 33% | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| Water Buffalo | 2 | 2 | 0 | 100% | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water Tanker | 5 | 1 | 4 | 20% | 1 | 0 | 0 | 0 | 0 | 3 | 1 |
| Total | 226 | 145 | 81 | | 144 | 1 | 1 | 7 | 17 | 14 | 42 |

GWA Work Session - April 17, 2018 - DIVISION REPORTS


| | | | |
|-----------------------------|----|----------------------|---|
| Guam Waterworks Authority | | Date: 4/11/2018 |  <p>WATER DISTRIBUTION FACILITIES REPORT</p> |
| | | Time: | |
| REVIEWS | | | |
| TOTAL PUMPS INSTALLED | 51 | OVERALL AVERAGE | 90% |
| TOTAL PUMPS OPERATIONAL | 46 | % OF OPERATING PUMPS | 90% |
| TOTAL BOOSTER PUMP STATIONS | 25 | | |

| Northern District | | | | | | | | | | | | | |
|---|----------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|------------------------------------|----------------|--|----------------|--|--------------------------|
| NO: | FACILITY | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | PUMP AND MOTOR INVENTORY |
| 1 | Gayinero | 20 | 2 | 2 | 100% | OP | A | | | | | | |
| 2 | Mataguac | 25 | 2 | 1 | 50% | OP | A | mechanical seal replacement needed | | | | Removed and at vendor | |
| 3 | Santa Rosa | 15 | 2 | 2 | 100% | OP | A | | | | | | |
| 4 | Hyundai | 40 | 2 | 1 | 50% | OP | A | Pump # 1 requires pump and motor. | | | | | |
| 5 | Access | 60 | 2 | 2 | 100% | OP | A | | | | | | |
| 6 | Chih, Palisuan | 5 | 2 | 2 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 7 | Nimitz Hill | 7.5 | 2 | 2 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 8 | Adiwang | 1.5 | 2 | 2 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 9 | Pale Kiren | 1 | 1 | 1 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 10 | Ulloa/Untalan | 1 | 2 | 2 | 100% | OP | A | | | | | | |
| 11 | Little Heights | 15 | 2 | 2 | 100% | OP | A | | | | | | |
| TOTAL = 11 | | | 21 | 19 | 90% | | | | | | | | |
| pump availability =no of operational pumps/no of pumps*100% | | | | | | | | | | | | | |

| Central District | | | | | | | | | | | | | |
|---|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|----------------------------|----------------|--|----------------|--|--------------------------------|
| NO: | FACILITY | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES |
| 1 | Pago | 150 / 100 | 3 | 2 | 67% | OP | A | | | ASSESSING PUMP 3 MOTOR | | Removed and at vendor 4/25/18 (Rewind) | |
| 2 | Brigade | 60 | 3 | 3 | 100% | OP | A | | | Generator inadequate for 2 pump operation | | | |
| 3 | Windward Hills | 200 / 75 | 3 | 3 | 100% | OP | A | All pumps operational. | | | | | |
| 4 | Santa Rita Spring | 40 | 2 | 2 | 100% | OP | A | | | | | | |
| 5 | Santa Ana (Lower) | 25 | 2 | 1 | 50% | N/A | | CHECK VALVE P1 NOT OPENING | | Unable to secure discharge valve. Need to schedule an outage for area to make repairs. | | CIP required for new unit and electrical for generator | Need to schedule valve repairs |
| 6 | Camacho | 1 | 1 | 1 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 7 | Tenorio | 1.5 | 1 | 1 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| Total=7 | | | 15 | 13 | 87% | | | | | | | | |
| pump availability =no of operational pumps/no of pumps*100% | | | | | | | | | | | | | |

| Southern District | | | | | | | | | | | | | |
|---|-------------------|-----------------|-----------------------|-------------------------|---------------------|-----------------------------|-----------------|-------------------|----------------|--|----------------|--|---------|
| NO: | FACILITY | PUMP HORSEPOWER | NO OF INSTALLED PUMPS | NO OF OPERATIONAL PUMPS | PUMP AVAILABILITY % | GENERATOR OPERATIONAL FAULT | ATS MANUAL/AUTO | PUMP UNIT REMARKS | WORK ORDER NO: | VALVES, ELECTRICAL, STRUCTURAL REMARKS | WORK ORDER NO: | ESTIMATED REPAIR DATE | UPDATES |
| 1 | Maloljoj Line | 125 / 50 | 3 | 2 | 67% | OP | A | PUMP 3 | | ASSESSING P3 MOTOR | | Removed and at vendor 4/25/18 (Rewind) | |
| 2 | Geus | 25 | 2 | 2 | 100% | OP | A | | | | | | |
| 3 | Pigue | 7.5 | 2 | 2 | 100% | N/A | | | | | | CIP required for new unit and electrical for generator | |
| 4 | Toguan | 25 | 2 | 2 | 100% | OP | A | | | | | | |
| 5 | WBP-2 | 25 | 2 | 2 | 100% | OP | A | | | | | | |
| 6 | WBP-1 | 5 | 2 | 2 | 100% | OP | A | | | | | | |
| 7 | Maloljoj Elevated | 15 | 2 | 2 | 100% | OP | A | | | | | | |
| Total=7 | | | 15 | 14 | 93% | | | | | | | | |
| pump availability =no of operational pumps/no of pumps*100% | | | | | | | | | | | | | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

| | | | | | |
|---------------------------|--|-----------------|--|---|--|
| Guam Waterworks Authority | | Date: 3/30/2018 | | <div></div> <div>WASTEWATER FACILITIES REPORT</div> | |
| | | Time: | | | |
| REVIEWS | | | | | |
| TOTAL PUMPS INSTALLED | | 169 | | | |
| TOTAL PUMPS OPERATIONAL | | 146 | | % OF OPERATING PUMPS | |
| TOTAL PUMP STATIONS | | 76 | | 86% | |

| Northern District | | | | | | | | | | |
|-------------------|----------------------|-------------------|--------------------|----------------------|------------------------|----------|---|---------------------------|-------------------|--------------------|
| NO. | FACILITY | Priority Level | NO OF INSTALLED | NO OF OPERATIONAL | PUMP AVAILABILITY % | Pump NO. | Action Required | Ref. No./Date | PUMP UNIT REMARKS | Additional Remarks |
| 1 | FIJITA | | | | | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 4 | | | | |
| 2 | Southern Link | | | 75% | | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 4 | Pump #4 suction clogged | | | |
| 3 | Route #16 | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 4 | VFD Issues | | | |
| 4 | HARMON | | | | | 1 | | | | |
| | | | | | | 2 | Pump #2 at Washland for open winding. Vendor is still waiting on parts for repair as of 3/26/18. | PD #301753 | | |
| 5 | MACHECHE | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 6 | LATTE DOUBLE TROUBLE | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 7 | LATTE SUBMARINE | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 8 | MACHANAO | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 9 | YPAOPO ESTATES | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| 10 | PGO | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 11 | LATTE PLANTATION | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 12 | PASADO DE ORO | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 13 | ASTUMBO #1 | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 14 | ASTUMBO #2 | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 15 | FEMA 96 | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 16 | LATTE SUN RISE | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 17 | HAFA ADAI | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 18 | PACIFIC LATTE | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 19 | SANTA ANA | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 20 | ZERO DOWN | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| 21 | Yigo PS | | | 87% | | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | Pump #3 awaiting installation of discharge valve. Shutdown of station needed. Duty, Ben Lujan & PGE Pumping Trucks. | OQ #s 31651, 31652, 31654 | | |
| 22 | Ypao PS | | | 100% | | 1 | | | | |
| | | | | | | 2 | | | | |
| Northern TP | | | | | | | Bar Screen still offline. Solenoid valve for the water line is defective causing sewer not to operate. Still trouble shooting root cause. | 3/30/2018 | | |
| TOTAL = 22 | | | 62 | 48 | 92% | | | | | |

01/03/2024

01 00010001

GWA Work Session - April 17, 2018 - DIVISION REPORTS

| Central District | | | | | | | | | | |
|------------------|--------------|-------------------|--------------------|----------------------|----------------------|----------|--|--|-------------------|--------------------|
| NO | FACILITY | Priority Level | NO OF INSTALLED | NO OF OPERATIONAL | PUMP AVAILABILITY | Pump NO. | Action Required | Ref. No./Date | PUMP UNIT REMARKS | Additional Remarks |
| 1 | AGANA MAIN | | | | 75.00% | 1 | Pump #2 taken out (2/13/18) and sent to JHM due to seals leaking. | OGR32161 OMR31950 2/21/18 | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 4 | | | | |
| 2 | CHAOT | | | 3 | 100.00% | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 3 | | | | |
| 3 | MAMAJANAO | | | 3 | 66.67% | 1 | Off-line awaiting eccentric reducer | OGR51721 (12/01/18) OGR31550 (12/14/17) | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| | | | | | | 3 | | | | |
| 4 | BARRIGADA | | | 2 | 100.00% | 1 | | | | |
| | | | | | | 2 | | | | |
| 5 | BAYSIDE | | | 1 | 100.00% | 1 | | | | |
| | | | | | | 1 | | | | |
| 6 | TATMANGLAO | | | 3 | 66.67% | 1 | Seal failure/pump at Washland for reworking. | OGR18760(01/02/18) OGR31660(01/02/18) | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| 7 | MONOMONGTOTO | | | 2 | 100.00% | 1 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 2 | | | | |
| 8 | PAGO DOUBLE | | | 3 | 66.67% | 1 | sewered & needs to be replaced/OPF approved pending final review from Finance. | | | |
| | | | | | | 2 | | | | |
| | | | | | | 3 | | | | |
| 9 | MANGILOAO | | | 2 | 50.00% | 1 | Impeller needed for pump #1 Pump #1 at JHM for repair (SULZER AB6 Ser. No. 001922) Awaiting eccentric reducers for discharge line / Pump #2 temporary online on line #1 | OGR11890(01/05/18) OGR31180(01/02/18) OGR11890(01/05/18) OGR31180(01/05/18) | | |
| | | | | | | 2 | | | | |
| | | | | | | 2 | | | | |
| | | | | | | 2 | | | | |
| 10 | PETI | | | 2 | 100.00% | 1 | Pump #1 Back on-line. Gasket replaced and relapped sewering tanks. | 3/29/2018 | | |
| | | | | | | 2 | | | | |

GWA Work Session - April 17, 2018 - DIVISION REPORTS

| | | | | | | | | | | |
|----|-----------------|-----------|-----------|---------------|---|--|--------------------|--|--|--|
| 11 | ASAN | | | | 2 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 12 | SINAJANA | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 13 | DAIRY ROAD | | | | 1 | Pump #1 at Washland for rewinding | ? | | | |
| | | 2 | 1 | 50.00% | 2 | On going electrical upgrades on this pump station as of 3/30/2018 | | | | |
| 14 | FADIAN | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 15 | FLORA GARDENS | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 16 | ORDOT | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 17 | CHALAN PAGO #5 | | | | 1 | Pump #1 at @Washland for rewinding | ? | | | |
| | | 2 | 1 | 50.00% | 3 | | | | | |
| 18 | COMMERCIAL PORT | | | | 1 | | | | | |
| | | 3 | 3 | 100.00% | 3 | | | | | |
| 19 | CHALAN PAGO #3 | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 20 | CARRAS ISLAND | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 21 | ALUPANG COVE | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 22 | MATE EJECTOR | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 23 | TOTO GARDENS | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 24 | CASIMERO | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 25 | LEYANG | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 26 | SAGAN BONITA 1 | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 27 | SAGAN BONITA 2 | | | | 1 | | | | | |
| | | 2 | 2 | 100.00% | 2 | | | | | |
| 28 | Netin | 1 | 1 | 100.00% | 1 | | | | | |
| 29 | DERO ROAD | | | | 2 | Replaced pump #2 with a spare pump on 3/28/18. Bill off: 10k, waiting for electrical and (downed stream) (disconnect). | OG#22353 3/30/2018 | | | |
| | | 2 | 1 | 50.00% | | | | | | |
| | Total=29 | 63 | 58 | 92.06% | | | | | | |



WASTEWATER COLLECTION REPORT
MONTHLY REPORT
MARCH 2018



CCTV INSPECTIONS AND SEWER CLEANING

| MAR. 01-MAR. 07 | Team #1 | Team #2 | Vendor | Total |
|-----------------|---------|---------|--------|-------|
| Feet Scheduled | 3,267 | 3267 | | 6,534 |
| Feet Completed | 4053.8 | | | 4873 |
| | 124.08% | 0.00% | | 62% |

| MAR. 08 – MAR. 14 | Team #1 | Team #2 | Vendor | Total |
|-------------------|---------|---------|--------|-------|
| Feet Scheduled | 3,267 | 3267 | | 6,534 |
| Feet Completed | 1896 | | | 1896 |
| | 58% | 0% | | 29% |

| MAR.15 – MAR. 21 | Team #1 | Team #2 | Vendor | Total |
|------------------|---------|---------|--------|--------|
| Feet Scheduled | 3,267 | 3267 | | 6,534 |
| Feet Completed | 3249 | | | 2839.8 |
| | 87% | 0% | | 43% |

| MAR. 22 – MAR. 28 | Team #1 | Team #2 | Vendor | Total |
|-------------------|---------|---------|--------|-------|
| Feet Scheduled | 3,267 | 3267 | | 6,534 |
| Feet Completed | 3249 | | | 3249 |
| | 99% | 0% | | 50% |

| MAR. 29 – MAR. 31 | Team #1 | Team #2 | Vendor | Total |
|-------------------|---------|---------|--------|-------|
| Feet Scheduled | 832 | 3267 | | 832 |
| Feet Completed | | | | 0 |
| | | 0% | | 0% |

| | January | February | March | April | May | June |
|--------------|---------|----------|-------|-------|------|------|
| CCTV/Jetting | 2.86 | 4.95 | 2.30 | 0.00 | 0.00 | 0.00 |

- Performed CCTV and smoke Testing in the Agana bay area which deferred from completing the miles required.

PUMPING STATION TROUBLE CALLS

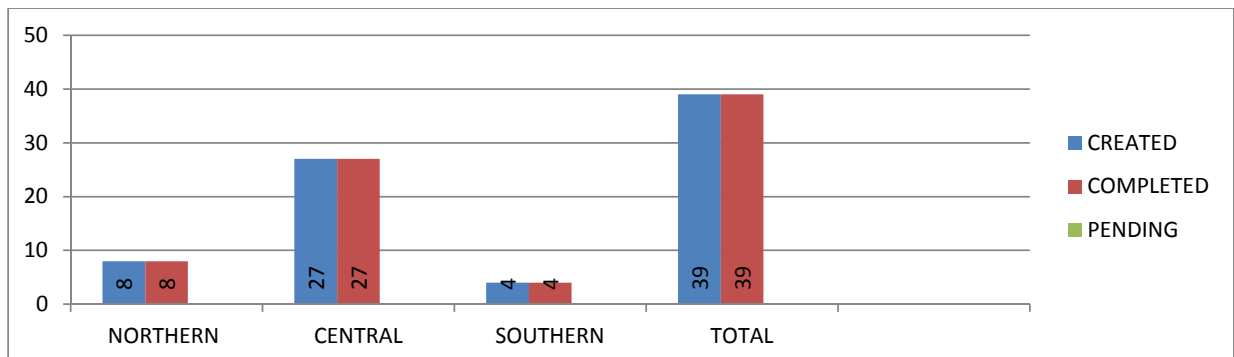
| MAR. 01 - MAR. 07 | CREATED | COMPLETED | PENDING |
|-------------------|---------|-----------|---------|
| NORTHERN | 1 | 1 | 0 |
| CENTRAL | 5 | 5 | 0 |
| SOUTHERN | 3 | 3 | 0 |
| TOTAL | 9 | 9 | 0 |

| MAR. 08 - MAR. 14 | CREATED | COMPLETED | PENDING |
|-------------------|---------|-----------|---------|
| NORTHERN | 1 | 1 | 0 |
| CENTRAL | 7 | 7 | 0 |
| SOUTHERN | 0 | 0 | 0 |
| TOTAL | 8 | 8 | 0 |

| MAR.15 - MAR. 21 | CREATED | COMPLETED | PENDING |
|------------------|---------|-----------|---------|
| NORTHERN | 3 | 3 | 0 |
| CENTRAL | 9 | 9 | 0 |
| SOUTHERN | 0 | 0 | 0 |
| TOTAL | 12 | 12 | 0 |

| MAR.22- MAR. 31 | CREATED | COMPLETED | PENDING |
|-----------------|---------|-----------|---------|
| NORTHERN | 3 | 3 | 0 |
| CENTRAL | 6 | 6 | 0 |
| SOUTHERN | 1 | 1 | 0 |
| TOTAL | 10 | 10 | 0 |

| | CREATED | COMPLETED | PENDING |
|----------|---------|-----------|---------|
| NORTHERN | 8 | 8 | 0 |
| CENTRAL | 27 | 27 | 0 |
| SOUTHERN | 4 | 4 | 0 |
| TOTAL | 39 | 39 | 0 |



MAINTENANCE PREVENTIVE AND CORRECTIVE CALL OUTS

| FEB. 26 – MAR. 02 | PREVENTIVE | CORRECTIVE |
|-------------------|------------|------------|
| NORTHERN | 4 | 3 |
| CENTRAL | 0 | 0 |
| SOUTHERN | 6 | 3 |
| TOTAL | 10 | 6 |

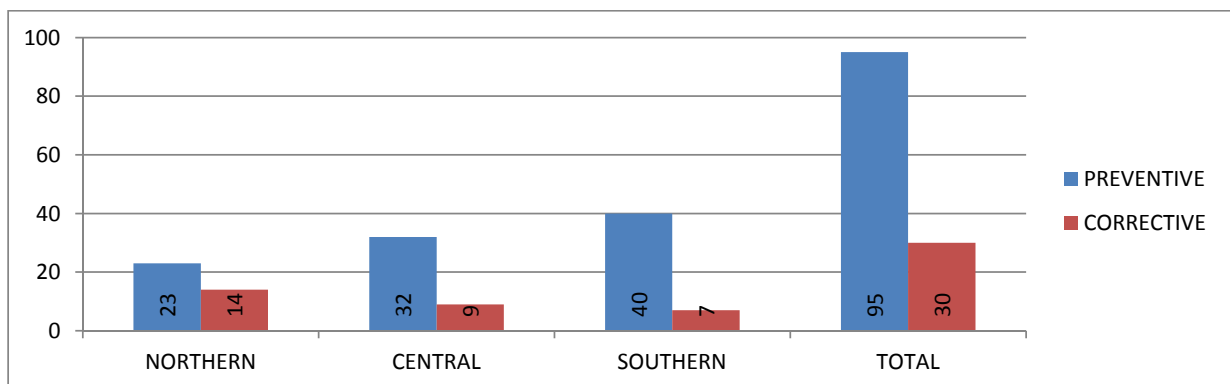
| MAR. 05 – MAR. 09 | PREVENTIVE | CORRECTIVE |
|-------------------|------------|------------|
| NORTHERN | 0 | 1 |
| CENTRAL | 11 | 5 |
| SOUTHERN | 5 | 2 |
| TOTAL | 16 | 8 |

| MAR. 12 – MAR. 16 | PREVENTIVE | CORRECTIVE |
|-------------------|------------|------------|
| NORTHERN | 4 | 4 |
| CENTRAL | 1 | 2 |
| SOUTHERN | 0 | 0 |
| TOTAL | 5 | 6 |

| MAR. 19 – MAR. 23 | PREVENTIVE | CORRECTIVE |
|-------------------|------------|------------|
| NORTHERN | 6 | 3 |
| CENTRAL | 20 | 0 |
| SOUTHERN | 3 | 1 |
| TOTAL | 29 | 4 |

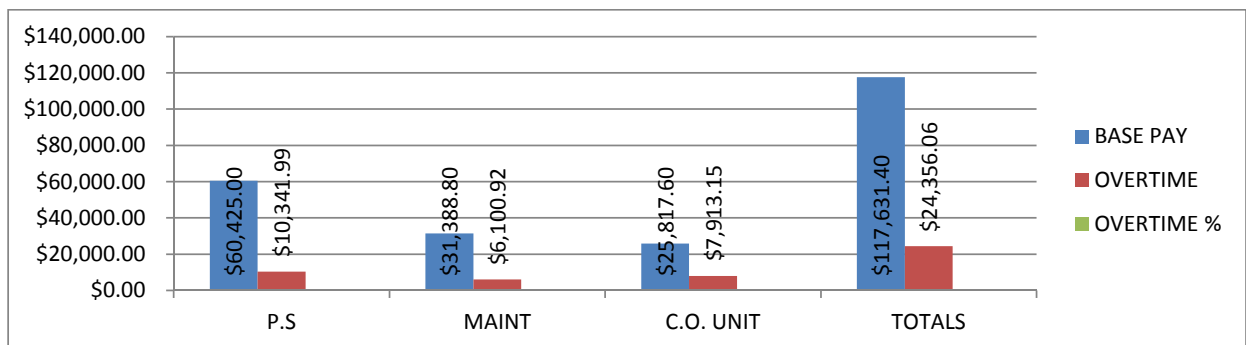
| MAR. 26 – MAR.30 | PREVENTIVE | CORRECTIVE |
|------------------|------------|------------|
| NORTHERN | 9 | 3 |
| CENTRAL | 0 | 2 |
| SOUTHERN | 26 | 1 |
| TOTAL | 35 | 6 |

| | PREVENTIVE | CORRECTIVE |
|----------|------------|------------|
| NORTHERN | 23 | 14 |
| CENTRAL | 32 | 9 |
| SOUTHERN | 40 | 7 |
| TOTAL | 95 | 30 |



BASE PAY VS OVERTIME

| | BASE PAY | OVERTIME | OVERTIME % |
|------------------|-------------|-------------|------------|
| PUMPING STATION | \$60,425.00 | \$10,341.99 | 17% |
| MAINTENANCE | \$31,388.8 | \$6,100.92 | 19% |
| COURT ORDER UNIT | \$25,817.60 | \$7,913.15 | 31% |
| TOTALS | \$117,631.4 | \$24,356.06 | 20% |



GWA Work Session - April 17, 2018 - DIVISION REPORTS

| 2017 Month- Yr | Hagatna | | Northern | | Hagatna and Northern | |
|-------------------|------------|--------------|------------|----------------|----------------------|----------------|
| | Qty lbs | Amount \$ | Qty lbs | Amount \$ | Qty lbs | Amount \$ |
| Jan-17 | 247,440 | \$22,269.60 | 1,283,000 | \$115,470.00 | 1,530,440 | \$137,739.60 |
| Feb-17 | 282,180 | \$25,396.20 | 920,480 | \$82,843.20 | 1,202,660 | \$108,239.40 |
| Mar-17 | 497,660 | \$44,789.40 | 880,780 | \$79,270.20 | 1,378,440 | \$124,059.60 |
| Apr-17 | 577,246 | \$51,952.14 | 796,560 | \$71,690.40 | 1,373,806 | \$123,642.54 |
| May-17 | 660,840 | \$59,475.60 | 859,260 | \$77,333.40 | 1,520,100 | \$136,809.00 |
| Jun-17 | 505,160 | \$45,464.40 | 913,760 | \$82,238.40 | 1,418,920 | \$127,702.80 |
| Jul-17 | 462,420 | \$41,617.80 | 1,423,168 | \$128,085.12 | 1,885,588 | \$169,702.92 |
| Aug-17 | 694,420 | \$62,497.80 | 690,200 | \$62,118.00 | 1,384,620 | \$124,615.80 |
| Sep-17 | 341,020 | \$30,691.80 | 981,280 | \$88,315.20 | 1,322,300 | \$119,007.00 |
| Oct-17 | 474,020 | \$42,661.80 | 846,180 | \$76,156.20 | 1,320,200 | \$118,818.00 |
| Nov-17 | 500,020 | \$45,001.80 | 968,260 | \$87,143.40 | 1,468,280 | \$132,145.20 |
| Dec-17 | 584,809 | \$52,632.81 | 810,960 | \$72,986.40 | 1,395,769 | \$125,619.21 |
| Grand Total | 5827235 | \$524,451.15 | 11373888 | \$1,023,649.92 | 17201123 | \$1,548,101.07 |

| 2018 Month- Yr | Hagatna | | Northern | | Hagatna and Northern | |
|-------------------|------------|--------------|------------|--------------|----------------------|--------------|
| | Qty lbs | Amount \$ | Qty lbs | Amount \$ | Qty lbs | Amount \$ |
| Jan-18 | 373,140 | \$33,582.60 | 1,227,040 | \$110,433.60 | 1,600,180 | \$144,016.20 |
| Feb-18 | 417,340 | \$37,560.60 | 792,880 | \$71,359.20 | 1,210,220 | \$108,919.80 |
| Mar-18 | 540,600 | \$48,654.00 | 953,280 | \$85,795.20 | 1,493,880 | \$134,449.20 |
| Apr-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| May-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Jun-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Jul-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Aug-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Sep-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Oct-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Nov-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Dec-18 | | \$0.00 | | \$0.00 | - | \$0.00 |
| Grand Total | 1331080 | \$119,797.20 | 2973200 | \$267,588.00 | 4304280 | \$387,385.20 |

