

CONSOLIDATED COMMISSION ON UTILITIES

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

Regular Board Meeting CCU Conference Room, Gloria B. Nelson Public Service Building 5:30 p.m., January 26, 2021

AGENDA

1.	c_{Λ}		TO	ΛD	DER
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- 2. APPROVAL OF MINUTES
- 3. PUBLIC COMMENTS [Limit to 2 minutes]
- 4. GPA
 - 4.1 GM Report
 - 4.2 Financials
 - 4.3 Resolution 2021-01 Approval of Conversion of Piri 8&9
 - 4.4 Resolution 2021-02 Approval of Ukudu Power Plant ECA Amendment for Relocation of Emergency Diesel Unit
 - 4.5 Resolution 2021 -03 Approval for Solicitation to Bid for 3-year Property Insurance Policy
- 5. GWA
 - 5.1 GM Report
 - 5.2 Financials
 - 5.3 Resolution 06-FY2021 Relative to Change Order No. 5 Asan-Adelup-Hagatna, Rte1 Sewer Rehab Replacement Phrase I Project
 - 5.4 Resolution 07-FY2021 Relative to Indefinite Quantity Contract JMI Edison for Submersible Pumps Motors for GWA Wells
 - 5.5 Resolution 08-FY2021 Approval of GWA 2021 Employee Recognition Program Budget
- 6. OTHER DISCUSSION
 - 6.1 CCU Rules Update
- 7. ANNOUNCEMENTS
 - 7.1 Next CCU Meetings: GWA Work Session: Feb 16; GWA Work Session: Feb 18; CCU Mtg: Feb 23
- 8. ADJOURNMENT



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Special Board Meeting CCU Conference Room, Gloria B. Nelson Public Service Building 5:30 p.m., November 10 2020

MINUTES

1. CALL TO ORDER

The CCU Chairman Duenas called the CCU Special Meeting of November 10, 2020 to order at 5:45 p.m. He said all five [5[Commissioners were present for a quorum. He said this is special meeting to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary.

Others in attendance include:

Commissioners:

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

Management & Staff:

Graham Botha Legal Counsel / GPA
Kelly Clark Legal Counsel / GWA

John Dixon IT / GWA Roque Rosario IT / GWA

Lou Sablan Board Secretary

2. OLD BUSINESS

2.1 CCU Rules Update

The Chairman asked the Chair for Rules Committee, Comm. Limtiaco to update the Commission on any changes to the eval forms, process etc. for recommendation. Comm. Limtiaco said that each Commissioner was assigned to handle evaluations for certain managers to meet and agree to the new FY evaluation metrics & KPI's. The outcome of those meetings resulted in what was agreed to in form of the evals and KPI's for the new fiscal year. There were some changes to the evaluation metrics so what we are presenting today are the changes made to specific evaluation forms and to adopt those changes and to formally adopt again those without changes. He further said that per the Commissioners who evaluated the GM's, their evaluation forms are unchanged so they are as in the CCU Rules. There are some changes to the forms for Legal Counsel and both GPA and GWA counsels

have agreed to update both forms so that they mirror each other. It was mentioned that Chair Limtiaco does not have the specific updates but the Commissioners who handled the Legal Counsel evaluations should have them.

Legal Counsel Botha confirmed and provided the Commission with the amended KPI's. Rules Chair Limtiaco asked Legal Counsel to update the Commission on the specific changes made to the Legal Counsel evaluation forms. Counsel Botha said there were initially four [4] sections under Managing Operations which was streamed down to 2 sections which changed the weight of the score for this section. The change reflected follows – managing operations 60%, Finance 10%, Personal competences 30%. It was mentioned that both GPA and GWA legal counsel forms will mirror each other. Chair Limtiaco further mentioned that there were changes to the GWA CFO evaluation form.

Comm. Limtiaco recommended to acknowledge the changes made to these forms and during recess of this meeting, other commissioners will have time to review and adopt the updated versions, adding he will send all commissioners the revised forms. It was mentioned that when the meeting reconvenes the changes would be further discussed and or adopted.

Comm. Sanchez said to ensure that the updated forms be included in the original rules packet since it is a public document.

Comm. Santos said for the record, he and Comm. Limtiaco were assigned to meet with GWA's General Counsel but the meeting did not happen. Since GWA's legal counsel has already agreed to accepted the changes pointed out by GPA legal counsel Botha earlier, he is asking that Counsel Clark document to him via email that he agrees with the changes. Legal Counsel Clark was present and said he agreed and will document his concurrence. Comm. Limtiaco said that since the meetings will be ongoing for a little while, perhaps a meeting with GWA Legal Counsel is still doable so he can officially agree with the changes. All agreed.

The GWA GM said it is his understanding that the GM's input will be solicited for CFO and Counsel and added that if changes are made, he would need to have access to the revised forms prior to his write up. Comm. Limitaco confirmed that yes the GM will need to provide input re the CFO and Legal Counsel and that amended forms will be provided to him as requested.

Comm. Santos stated that the board secretary needs to update the evaluation forms with adoption date/s noted on the form to ensure that the forms are the most currently adopted versions. The commission agreed.

Chairman Duenas said that the only evaluation form already adopted now is the one for CCU Board Secretary and asked if the commission can move forward with the evaluation process for this position. The Commission agreed.

The Chairman then asked for a motion to move to executive session after a 5-minute recess.

Comm. Guthertz motioned to move to Executive Session after a 5-minute recess, second by Comm. Santos..

The meeting recessed; the time was 6:01 p.m.

3. NEW BUSINESS

3.1 Executive Session Evaluations

The meeting was called back to order at 6:07 p.m. for Executive Session to evaluate the CCU Board Secretary; Executive Session ended at 6:56 p.m.

After executive session the Chairman asked for a motion to recess until 3:30 p.m., November 12, 2020

Comm. Guthertz motioned to recess until 3:30 p.m., November 12, 2020, second by Comm. Santos

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 3:30 p.m., November 12 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 3:45 p.m. He said this is the continuation of a meeting on November 10th to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said all five [5] Commissioners were present for a quorum.

Others in attendance include:

Commissioners:

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

Mangement & Staff:

Miguel Bordallo General Manager

John Dixon IT / GWA

Lou Sablan Board Secretary

For the purpose of today's meeting, the chairman asked for a motion to move the meeting to executive session.

Comm. Guthertz motioned to move the meeting to executive session to evaluate the GWA CFO, Taling Taitano, second by Comm. Limtiaco.

At the end of executive session, the chairman moved the meeting back to regular session and asked for motion to recess.

Comm. Guthertz motioned to recess the meeting until 9 a.m., November 13, 2020, seconded by Comm Sanchez.

The time was 4:30 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 9:00 a.m., November 13, 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 9:51 a.m. He said this is the continuation of a meeting that started on November 10th and reconvened at 3:30 p.m., Nov. 12, 2020. The purpose of the meeting was to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said four [4] Commissioners were present for a quorum – Comm. Limtiaco, Guthertz, Sanchez and himself; Comm. Santos is absent.

Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Michael T. Limtiaco CCU Secretary
Judith P. Guthertz CCU Treasurer
Simon A. Sanchez CCU Member

Mangement & Staff:

Vince Leon Guerrero Outside Legal Counsel
Taling Taitano GWA Chief Financial Officer

Vladimir Navasca GPA IT
Vien Wong GPA IT
Allen McDonald GWA IT

Lou Sablan Board Secretary

The Chairman said he would like to begin the meeting with discussion on a matter of old business relative to CCU Rules and evaluations. He said with the help of the CCU outside legal counsel Vince Leon Guerrero whom he asked to be present today to help clarify questions that arose from discussions at yesterday's meeting.

Counsel Leon Guerrero said that there are distinctions between 2 different classes of CCU employees. Class 1 - the 2 GM's where law clearly specifies that these evaluations are to be held in public and Class 2 - that of the 5 remaining positions directly under CCU – that being the 2 CFO's, 2 Legal Counsels and the Board Secretary. He referred the commission to a case called Ripskey, a court of appeals for the District of Columbia in 1984. The author of this Opinion is now the Supreme Court Justice of the U.S., Scalia so it carries a lot of weight. The Case says that evaluations are an exemption to the FOIA. There are privacy rights and you can release information but redact names and any identifying information; you cannot associate employee names to evaluations. He said in his opinion, if the CCU does not follow this then the Commission may be liable to litigation due to violation of privacy. He recommended that for Class 2, evaluations are done in executive session, do not talk re compensation / salary. Then move to open session there without discussion on specific details of evaluation talk / speak about compensation.

Comm. Duenas commented to Outside Counsel is that after evaluations in executive session what is the Commission allowed to say? Counsel Leon Guerrero responded that if the Commission I satisfied and if there is an adjustment in pay, this has to be discussed in open session and only the dollar amount not the justification or reason. If after the evaluation, if satisfactory and there is no pay adjustment, then there is no need to do anything further.

There was some discussion on this possible outcome. Comm. Guthertz said that the public scrutiny may lead to disgust because the Commission will be rewarding an individual without any justification or rationale. She was concerned as was Comm. Sanchez.

Comm. Sanchez said in open session and discussed in public are criteria and related percentage values contained in the respective evaluation forms; these are already public documents. However, the actual outcomes or ratings related to these criteria are not releasable after the evaluation. Outside Counsel concurred that is his understanding / recommendation.

There was discussion about other cases he researched that allows the evaluation / ratings to be released but it is not as compelling as the Ripskey Case. Outside Counsel added that this is the one that he would use as precedence when representing a disgruntled employee or a response to a FOIA.

Comm. Limtiaco asked it the Attorney General was ever asked to opine on what the Commission can release. Comm. Limtiaco said that in the CCU Rules as approved, the policy adopted is to release a summary evaluation metric of the Class 2 employees. This was for the sole purpose of transparency to ensure the public that we are doing our due diligence relative to our employees. What can we release even at a high level.

Chairman Duenas recommended that the Commission move forward and complete the planned evaluations and asked Counsel Leon Guerrero to draft the question to the Attorney General asking him to opine. Comm. Limtiaco said the question really revolves around the CCU Rules and recommended that Outside Counsel reviews what the CCU agreed to as a body and articulate this in his draft. Comm. Sanchez said at this point the Commission is not able to justify a raise; the Commission is not able to share their rationale with the public and this is concerning to them.

Comm. Sanchez also discussed the possibility of seeking a declaratory judgement from the court which may be a better option that asking the Attorney General to opine. He added that the AG is just another attorney but when the court rules it is the final say. Counsel Leon Guerrero commented that he does not think this is the appropriate course of action. Comm. Sanchez asked Counsel to research and confirm if the Commission has this option.

Chairman Duenas asked who could sue over this issue? Counsel Leon Guerrero said a disgruntled employee. Chairman asked counsel to research this and confirm if a citizen could make a suit against the Commission? Can this citizen be a member of the Commission? The objective is to get this matter / issue in front of a judge and force the court to interpret the law and make a determination.

Chairman Duenas asked Counsel to do the research and come back with alternatives that the Commission can consider. Meanwhile, the Commission will continue the evaluation process and not move any further with actual evaluations until the Commission makes a final decision on what to do afterwards – what the messaging will be after the evaluation.

Comm. Sanchez said the current statutes are conflicting – the Open Government Law and the Personnel Rules Law. Boards and Commissions cannot explain why a pay is adjusted and this is not right. The law as written seems to set up that it is ok to give someone a pay adjustment but we cannot tell the public why?

Comm. Limtiaco said the Commission in the CCU Rules already adopted a path forward. We agreed to provide a summary evaluation to the public, we just now need to know to what extent can we follow that rule and in event that we can't we will need to adjust the rules.

Chairman Duenas said to Counsel Leon Guerrero that this is a two-step request: to review the rules and see if it conforms to the law as he opined and if it needs to be changed. The second is to then determine if the Commission still wants or needs to get a definitive answer, what would be the best path that the Commission will use to move forward? The Chairman asked when his response is complete to direct his response to him and he will then disseminate this to the rest of the Commission.

Comm. Sanchez motioned to have a short recess before returning back to executive session, Comm. Limtiaco seconded. There were 4 ayes for the recess. The time was 10:32 a.m.

Executive Session started at 10:49 a.m. with the evaluation of the GWA Chief Financial Officer.

At the end of Executive Session, Comm. Guthertz motioned to recess this meeting until 5:30 p.m. on November 17, 2020. The motion was seconded by Comm. Sanchez. It was 12:05 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 5:30 p.m., November 17 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 6:00 p.m. He said this is the continuation of a meeting that started on November 10th and reconvened at 9:51 a.m., Nov. 13, 2020. The purpose of the meeting was to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said four [4] Commissioners were present for a quorum – Comm. Limtiaco, Guthertz, Sanchez and himself; Comm. Santos is absent.

Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Michael T. Limtiaco CCU Secretary
Judith P. Guthertz CCU Treasurer
Simon A. Sanchez CCU Member

Mangement & Staff:

John Kim GPA Chief Financial Officer

Vien Wong GPA IT

Allen McDonald GWA IT Roque Rosario GWA IT

Lou Sablan Board Secretary

Comm. Guthertz motioned to move the meeting to executive session to evaluate GPA Chief Financial Officer, John Kim, seconded by Comm. Limtiaco.

The meeting moved back to Open Session.

Comm. Sanchez motioned to recess the meeting until 5:30 p.m., November 19, 2020, seconded by Comm. Limtiaco.

The time was 8:15 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 5:30 p.m., November 19, 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 6:10 p.m. He said this is the continuation of a meeting that started on November 10th and reconvened at 5:30 p.m.., Nov. 17, 2020. The purpose of the meeting was to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said four [4] Commissioners were present for a quorum – Comm. Limtiaco, Guthertz, Sanchez and himself; Comm. Santos is absent.

Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Michael T. Limtiaco CCU Secretary
Judith P. Guthertz CCU Treasurer
Simon A. Sanchez CCU Member

Mangement & Staff:

Miguel Bordallo GWA General Manager Kelly Clark GWA General Counsel

Vien Wong GPA IT
Vlad Navasca GPA IT

Lou Sablan Board Secretary

Comm. Guthertz motioned to move the meeting to executive session to evaluate GWA Legal Counsel Kelly Clark, second by Comm. Sanchez.

At the end of executive session, Comm.Guthertz motioned to recess this meeting and reconvene at 6:30 p.m. on November 24, 2020, second by Comm. Sanchez. The time was 8:10 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 6:30 p.m., November 24, 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 7:59 p.m. He said this is the continuation of a meeting that started on November 10th and reconvened at 6:10 p.m.., Nov. 19, 2020. The purpose of the meeting was to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said four [4] Commissioners were present for a quorum – Comm. Limtiaco, Guthertz, Sanchez and himself; Comm. Santos is absent.

Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Michael T. Limtiaco CCU Secretary
Judith P. Guthertz CCU Treasurer
Simon A. Sanchez CCU Member

Mangement & Staff:

Lou Sablan Board Secretary

The Chairman said that due to the lateness of the hour, due to the regular CCU meeting preceding this one, he would like a motion to recess this meeting and reconvene at 3 p.m. on December 1, 2020.

Comm. Guthertz motioned to recess the meeting until said time and date, second by Comm. Sanchez.

The time was 8:02 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 3:00 p.m., December 1, 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 3:22 p.m. He said this is the continuation of a meeting that started on November 10th and reconvened at 7:59 p.m.., Nov. 24, 2020. The purpose of the meeting was to conduct the evaluations for the seven [7] CCU employees – they are the 2 General Managers, the 2 Chief Financial Officers [CFO's], the 2 Legal Counsels and the Board Secretary. He said all five [5] Commissioners were present for a quorum.

Others in attendance include:

Commissioners:

Joseph T. Duenas CCU Chairman
Francis E. Santos CCU Vice Chairman
Michael T. Limtiaco CCU Secretary

Judith P. Guthertz CCU Treasurer Simon A. Sanchez CCU Member

Mangement & Staff:

Graham Botha GPA General Counsel Lou Sablan Board Secretary

Comm. Guthertz motioned to move the meeting to executive session to evaluate GPA Legal Counsel Graham Botha, second by Comm. Limtiaco.

At the end of the end of executive meeting the meeting was moved back to regular session.

Comm. Guthertz motioned to recess this meeting until 9 a.m., December 3, 2020, second by Comm. Sanchez.

The time was 5:05 p.m.

Special Board Meeting of 11/10/20 CCU Conference Room, Gloria B. Nelson Public Service Building CONTINUED AT 9:00 a.m., December 3, 2020

The CCU Chairman Duenas called the CCU Special Meeting to order at 9:34 a.m. He said this is the continuation of a meeting that started on November 10th and reconvened numerous times, the last being at 3:22 p.m., December 1, 2020. He said all five [5] Commissioners were present for a quorum and at today's meeting, during open session, the Commission will be evaluating GPA General Manager John Benavente first, followed by GWA General Manager Miguel Bordallo. Others in attendance include:

Commissioners:

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

Mangement & Staff:

John Benavente GPA General Manager Miguel Bordallo GWA General Manager

Vlad Navasca GPA IT Vien Wong GPA IT

Lou Sablan Board Secretary

3. General Manager Evaluations

The Chairman opened the meeting; Comm. Santos asked to address the Commission saying that for the record he would like to recuse himself from the evaluation for GWA General Manager Miguel Bordallo who is his brother in law and wants this recognized by the Commission.

Comm. Limtiaco commented that in regards to potential conflicts of interest he referenced Chapter 15 of the Standards of Conduct for Elected Officers, Appointed Officers and Public Employees of the Government of Guam. In Chapter 15 defines conflicts of interest as no employee shall take any official action directly affecting business or other undertaking in which the employee has a financial interest. Financial interest means an interest held by an individual his or her spouse, natural adopted, or dependent children parents, parents-in-law, siblings or siblings-in-law which is an ownership interest in a business, a creditor interest or an insolvent business, an employment or prospective employment for which negotiations have begun, an ownership interest in personal or real property a loan or other debtor interest or a directorship or officership in a business. He said his spouse, Tricee Limtiaco, is an employee of GPA under direct report of John Benavente, who CCU is evaluating today, and how he evaluates Mr. Benavente has direct impact on his spouse and wants to point this out. He will recuse himself from the evaluation of Mr. Benavente. For the record he said he these evaluations are a very important part of the Commission's responsibility and is disappointed that he could not participate because he thinks he can be impartial. However, there is a clear conflict and he will recuse himself.

Comm. Guthertz said for the record she has absolutely no conflict of interest at all either for GPA or GWA's General Managers, in any way.

Comm. Sanchez asked about scoring, Comm. Limtiaco has recused himself from the evaluation process itself but asked if Comm. Limtiaco could assisting with the tabulation of the scores of the other Commissioners. Comm. Limtiaco responded and cited the conflicts of interest section in Chapter 15 which is clear "All employees, as defined in this Section, who know, or with reasonable investigation should know, that the employee has a financial interest in any decision pending before that employee or the agency of which the employee is a member shall not vote for or against, discuss, decide, in any way participate in considering the matter, or seek to influence the votes or decisions of others on such matter" and based on this, he should not participate at all.

Comm. Duenas said for the record and in light of the information just shared by Comm. Limtiaco, he sees the same conflict with Comm. Santos relative to GWA's GM Bordallo. Comm. Santos thanked the Chairman.

There was discussion on how to proceed with evaluation process so GM Benavente understands. Comm. Sanchez explains the evaluation scores from 1 to 5 with a 5 requiring a justification statement or support and included how the Commission will arrive at a weighted average for each section on his key performance indicator and the how the overall weighted average will be configured.

GM Benavente responded that his presentation and the sequence may not follow exactly the format of the CCU score sheet adding that he would like to use his presentation in its present form rather than move from one point to another, as per the CCU evaluation format.

Comm. Guthertz said she would like the GM to go through his presentation and then use the evaluation form at the end of the presentation to question him and tie-in his presentation to the various sections.

Comm. Santos advised Mr. Benavente that the Commission will evaluate him for his performance in FY18, FY19 and FY20. GM Benavente said his presentation covers period from the time he was appointed as GM.

GM Benavente begins his presentation with the attached reference presentation.

UTILITY PROGRESS 2015-2020

John M. Benavente, P.E. General Manager

Prepared for the Guam Consolidated Commission on Utilities
December 3, 2020

STRATEGIC PLAN SUMMARY

***	CRITICAL SUCCESS FACTORS DASHBOAR			TOTALO
CSF #	CSF	KPI#	STATUS	TREND
- 50	ACHIEVE EXCELLENT CUSTOMER SERVICES		0	A
	Sustatined Improvements of Customer Satisfaction			
1	Residential Customer Satisfaction with GPA as a Company rose from 61% in	1		
	2014 to 76% in 2018; a 15% increase.			
	Improve Customer Experience	2		A
	PROVIDE AFFORDABLE & VALUED PRODUCTS			
	Minimize Energy Production Cost	1		
2	Reduce Line Loss & Unaccounted for Energy	2		
	Achieve Energy Diversity at Affordable Cost	3		-
	Improve Credit Rating	4		
	DEVELOP SUSTAINABLE WORKFORCE & LEADERSHIP PROGRAM			
	Implement a Succession Planning Program	1		
3	Implement a Structured Leadership & Workforce Training Program	2		A
	Achieve Safety Awareness & Enhanced Safety Practices	3		
	Enhance Employee Satisfaction	4	8	
4	ACHIEVE HIGH SYSTEM RELIABILITY			
-	Reduce Customer Outages	1		A
530	EFFECTIVELY USE TECHNOLOGY			
5	Implement Excellent Cyber Security Program	1		-
8	Improve Productivity Through Technology & Automation	2		A

INTEGRATED RESOURCE PLAN

STRATEGIC ISSUES	STATUS	NOTES
Increase fuel diversity, mitigate fuel supply risk, and encourage cost- effective renewable energy	ON TRACK	120 MW Solar PV + 8ESS Contracted for 2022 Completion. Phase III under protest process. Phase IV Under Internal Review
Comply with existing & future US EPA requirements including EGU MACT, RICE MACT, and 1-Hour SO2 NAAQS	ON TRACK	Compliance Scheduled Under Consent Decree
Understand and consider financial and operational impacts associated with compliance and non-compliance with existing and future US EPA requirements	COMPLETED	Environmental Strategic Plan Updated Annually FY2020 Update Completed
Support electric power service requirements for the DOD build-up and its economic consequences	ON TRACK	Harmon-Anderson Underground 34.5 KV Transmission Line Completed, Marine Base infrastructure being installed
Evaluate the economic feasibility of retiring or extending the life of its existing generation	COMPLETED	LEIDOS Life Extension Report (FY 2017) 2020 IRP: Analysis of Generation Resource Adequacy
Reduce customer outages due to instantaneous loss of generation by examining operational and economic feasibility of using energy storage devices or requiring certain reliability enhanced characteristics for future generation additions	COMPLETED	Phase I 40 MW BESS in Commissioning Testing with Jan 2021 Completion. Renewable Integration Study Completed (2018) with Recommended Investments

PRIMARY RECOMMENDATIONS	STATUS
Obtain agreement with US EPA & Guam EPA to suspend compliance with RICE MACT for Cabras 3&4 and MEC 8&9 until GPA completes transition to LNG	ON TRACK CONSENT DECREE
Procure an additional 40 MW of renewable energy under Phase II Renewable Energy Acquisition Program,	COMPLETED PHASE II 120 MW SOLAR + BESS
foots-effective with other available technologies, as early as 2017 to reduce present value costs.	Phase III 40MW in PROCUREMENT STAY BID CONCLUDED
Develop the necessary infrastructure and contracts to engender transition from RFO to LNG by 2018 or sooner. NOTE: New power plant and pipelines construction contracts issued for ULSD & natural gas	ON TRACK
Retire Marbo CT and Dededo Diesels 1-4 by FY 2014	COMPLETED
Firm up decision to retire Cabras 1&2 and/or Tanguisson (Tango) 1&2 in 2018 concurrent with the	COMPLETED
availability of LNG. NOTE: All steam units to be retired after completion and commissioning of new power plant	TANGO RETIRED 2015
Based on baseload retirement decisions, construct new 60 - 120 MW gas-fired combined cycle power plant, preferably in northern Guam to reduce technical line losses, online concurrent with the availability of LNG. NOTE: Contract issued and construction underway for dual fuel plant	ON TRACK 198 MW UKUDU CC CT
If Cabras 182 or Tanguisson 182 are not retired, complete conversion of these units to burn LNG concurrent with availability of LNG in 2018	COMPLETED RETIREMENTS SCHEDULED
Complete repowering of Piti 7 GE Frame 68 combustion turbine generator (CTG) into a combined cycle burning LNG, NOTE: Repowering is not economically feasible	COMPLETED
Complete conversion of Cabras 3&4 and MEC 8&9 to burn LNG. NOTE: Cabras 3&4 retired. Conversion of MEC 8&9 after commissioning of new plant	ON TRACK
if economically and technically feasible, build a 10 MW geothermal unit to come online in 2019. NOTE: Result of Phase II renewable bid indicates geothermal unit is not feasible	COMPLETED
Work towards compliance with all new environmental standards and regulations	ON TRACK

TRANSPARENCY & ACCURACY

- New, easy-to-read billing statement and newsletter resulted in 25% reduction in mailing cost
- Redesigned billing statement garnered an 'Award of Merit' for Excellence in Public Power Communication from the American Public Power Association
- Successfully completed the new CC&B billing system for GPWA resulting in providing customers with ways to monitor their billings and consumption
- Robotic process automation reduced analysis of meter performance issues resulting in faster change outs and more accurate account information
- · Timely and consistent outage notifications
- · Enhanced website & web services
- Monthly newsletter distributed to all ratepayers to raise awareness of value-added services, initiatives and programs for all customers

ACCOUNT SERVICES

- Expanded Customer Care Center to include phone, email, and social media interaction
- · Timely onboarding of ~600 new customers per year
- Merge of CC&B information allows GPA & GWA Customer Representatives to assist customers with cross-services. Single representative serving GPWA customer closer.
- Expanded system status and customer services notifications via social media, including outage information

CONVENIENCE

- Same day / same hour services (reconnections, disconnections) offered through advanced meter infrastructure
- Real-time monitoring and push notifications of energy consumption through www.myenergyguam.com
- Implementation of credit card payments to all customers including commercial. Cost to administer program substantially reduced while at the same time providing this ease of payment alternative to customers
- 24/7 Automated IVR Pay-By-Phone offers customers 24/7 account balance information and pay options via toll-free number phone
- · Mobile APPs for ease of customer use and payments
- . GPWA partnership to offer One Utility Customer Service

INCENTIVES

- Sustained Growth of Energy Sense Rebate, Demand Side Management (DSM) Program
- Over \$4M return to ratepayers participating in DSM program from savings of bond refinancing, and working capital
- PUC approved GPA's petition on May 28, 2020 for approval of the use of LEAC to fund an expanded DSM rebate program
- The authorized funding for DSM in every six-month LEAC period shall be \$1.5M. The rate will generate \$3M annually for DSM rebates and result in \$21M fuel cost savings to ratepayers over 7 year period.

STRENGTHENED ISLAND-WIDE POWER SYSTEM GRID

- Completed installation of Updated and Enhanced SCADA system for GPWA
- Continued change-out of wooden poles to concrete. Greater than 90% of system hardened, Greater than 20% of system has underground secondary system.
- Continued village hybrid underground projects, the latest being for 456 ratepayers in Agat
 - Underground Distribution Projects
 - Completed
 - ✓ Turnon Bay Lateral Conversion
 - ✓ GHURA 501 Streetlight Reconstruction Project
 - ✓ GHURA 501 Reconstruction Project
 - ✓ GHURA 505 Reconstruction Project
 - ✓ Chandia Court Sinajana Reconstruction Project
 - ✓ Kadena Di Amor Latte Heights Reconstruction Project
 - ✓ Fern Terrace Underground Reconstruction Project
 - ✓ Tun Ramon Baza St., Baza Gardens Reconstruction
 - Ongoing Under Construction
 - ✓ Perezville Meter Relocation and Reconstruction
 - ✓ Route 2, Agat Underground and Pole Relocation
 - ✓ Turnon Bay Lateral Underground Conversion
 - Underground Transmission Projects
 - Completed
 - ✓ Harmon to Anderson 34.5 KV Underground Line



ISLANDWIDE POWER SYSTEM RECOVERY AFTER CABRAS 3&4 EXPLOSION

- Substantially minimized service interruption to less than 1% to customers following the Cabras 3&4 incident and mitigated the loss of 79MW of baseload capacity by:
 - Contracting for interruptible load with major commercial and government customers
 - Contracting for 40 MW of lease-to-own temporary power from Aggreko
 - Replacing aged Cabras 1&2 main transformers; \$2M
 - Rehabilitating 40 MW Dededo power plant; \$10M
 - Replacing Macheche combustion turbine; \$2.7M
 - Overhauling Cabras 1&2 Steam Units \$6.0M
 - Overhauling medium speed units \$6M
- Unit Overhauls and rehabilitation continues on a regular basis to insure the limited capacity
 available does not result in rolling load shedding. GPA continues to make investments in
 plant in order to sustain system reliability over the next few years as the new power plant is
 being constructed.

ASSET PLANNING & MANAGEMENT

- GIS Network: First electric distribution utility to migrate to a production ESRI Utility Network (ArcGIS Pro and Utility Network), providing confidence to perform switching operations and maintain service to the island wide power system
- Mobile Workforce Management System: Implementing new program which will allow real time processing, scheduling and expeditious completion of new customer and existing system maintenance Work Orders
- Vehicle and Equipment Tracking: Continued to track movement of GPA fleet to insure efficient and proper use of fleet
- Predictive Maintenance Program: Locate and fix equipment problems before they cause outages

STORM READINESS & RECOVERY

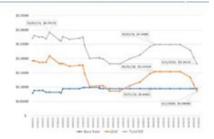
- Increased Resiliency & Restoration: Expeditious recovery from several storms over this period, including Typhoons Dolphin and Mangkhut resulting in minimal service disruption and revenue loss
- Water & Sewer Resiliency: Acquired responsibility for O&M of all GWA standby generators; GPWA
 Partnership enabled GWA to maintain 99% of water service to customers during the last significant
 storm
- FEMA Reimbursements: Successfully Received for Typhoon Dolphin \$2.3M; Typhoon Mangkhut \$4.3M
- System Hardening: Awarded \$5.6M of new underground system for Tumon Bay to protect our valuable tourism industry.
- Material Inventory & Fleet: Maintained Over \$12M in inventory and continued to replace aged equipment fleet in order to have adequate equipment needed to expedite typhoon recoveries

NEXT GENERATION ENERGY PRODUCTION PLANTS

- Energy Conversion Agreement (ECA) between GPA and KEPCO for the new 198 MW Ukudu Power Plant sign in November 5, 2019.
- Clean, efficient, economical technology will meet /exceed environmental regulatory requirements
- · Efficient technology to reduce fuel oil imports by 17 million gallons annually
- New Ukudu plant to provide for diversified fuel mix: ULSD & natural gas
- New Ukudu Plant technology to support increased penetration of renewable energy (target 50% by 2035) and result in substantial fuel cost reduction while stabilizing the LEAC rate
- · New plant close to customer load centers will result in cost savings due to reduced line losses
- New plant away from the coasts and at higher altitude eliminates vulnerabilities to storm surges and tsunamis
- The new plant will feed into underground 34.5 KV transmission lines which serve 60% of the island's load thereby improving reliability and would allow some areas to receive power continuously during typhoons including the significant military loads in the north
- The 120 MW of solar PV renewables contracted in 2018 to provide significant cost savings over 20 years and most importantly stabilizes energy cost due to a low annual 1% escalator. This energy mitigates erratic LEAC rates due to erratic fuel oil prices
- The Phase III bid for solar PV renewables with full load shifting ESS batteries will shave peaks
 resulting in fuel and reserve capacity cost savings for ratepayers. The partnership with the
 military for use of military land for the project results in cost savings.
- 25 % of GPA's energy from renewables in 2023 is innovative and ahead of targeted timelines.
 50% renewable energy by 2035 is achievable due to an aggressive renewables program

LOWER FUEL & ENERGY COSTS

- · No base rate increase since 2013
- Reduced the impact of increased fuel oil cost to the ratepayers through use of as much as \$16M in working capital to cushion LEAC increases
- The LEAC rate has been unchanged for 1 year despite the rise in fuel prices over the period
- Three LEAC rate decreases were recommended and approved by the PUC in 2020
- The current LEAC rate of \$0.086800/kWh effective June 1, 2020 to remain the same through January 31, 2021
- The LEAC rate for Feb 2021 thru July 2021 is recommended to remain at \$0.0868 by use of self insurance fund.



- 120 MW solar PV plants commissioning in 2022 will save millions annually in fuel cost for all ratepayers.
- 40 MW solar PV when awarded to Engle is expected to save ratepayers about \$5M annually. The two projects totaling 40MW with storage batteries are priced at \$0.11/kWh.
- Phase IV Renewables (equivalent to at least 60 MW) solicitation is being prepared for early 2021
- In regional rate comparisons, GPA maintains the lowest rates per kWh compared to other island power utilities including the Hawaiian Islands, US Virgin Islands and the CNMI
- T&D has installed over 10K LED streetlights throughout the island, replacing the vintage High Pressure Sodium (HPS) yellowish-color lights with new energy saving LED streetlights. 250W lights are installed along main routes throughout the island and 150W lights are installed along village streets
- The streetlight changeout to LED will yield over \$1M in savings annually

FINANCIAL SOLVENCY

 Maintenance and improvements of credit ratings despite challenges and negative impacts resulting from the Cabras 3&4 explosion, higher fuel prices, Typhoons, President Trump Tax Reform and the COVID-19 Pandemic.

COST SAVINGS - O&M

- Consistently below the annual O&M budget
- Received ownership from Independent Power Producer for TEMES 7 plant and the GPA takeover of O&M resulted in >\$4M annual savings
- Received ownership of the MEC 88 MW power plant and renegotiated the MEC contract for 5 years, resulting in >\$15M annual cost reductions
- The consolidation of GPA & GWA operations into a single location at the Gloria B Nelson Public Service Building resulted in substantial direct and indirect savings due to co-locating operating efficiencies
- Robotic Process Automation (RPA) implemented to automate manual and timeconsuming service order and work order process thus improving accuracies and saving significant manhours
- Labor FTE has decreased from 512 in FY2014 to the current manning of 445 FTE; annual savings about \$3M (including benefits)

COST SAVINGS - O&M

- Network Infrastructure Consolidation
 - Project Presented to GPA/GWA IT Divisions on One Network One Customer Initiative
 - o Project Kicked off July 2020
 - Project to assess and implement merging GPA and GWA separate networks and infrastructure into one environment
 - Includes both agencies current network, infrastructure, applications, resources, policies, security stance and organization
 - Assesses both tangible and intangible benefits for having one network and infrastructure

COST SAVINGS - CIP

- Purchased and rezoned 60 acres of R1-zone property for new power plant at \$10M. M1-zone (industrial use) land alternatives could have cost \$18M thereby resulting in cost savings of about \$8M. Optimal location of property (less than one mile from Harmon substation) resulted in \$15M-\$22M infrastructure savings
- 198 MW duel-fired combined cycle combustion turbine contracted and project working through permitting
- Millions of dollars in potential millions of fines from USEPA averted (Only \$400,000 Fine Paid)
- Supports achieving 50% renewable energy penetration by 2035 resulting in lower fuel and stable LEAC costs
- · Reduces system losses

FINANCING & INSURANCE

- Successful bond refinancing to reduce annual payments by \$500K at 4.12%. \$1M in savings returned to ratepayers through the funding of the DSM program (Energy Sense Rebate) Savings of \$500K was dedicated to assist GDOE reduce its annual utilities cost.
- · Reduction in cost of annual insurance premium by \$2M
- Settlement of Cabras 3 & 4 Insurance Claim at \$125.8M. \$72M to be applied to new power plant to reduce annual capacity fee. This reduction in annual capacity fee will save ratepayers about \$5M per year over the next 25 years

SUCCESSION PLANNING

 Identified, planned, and continue to implement programs to address the major issue that 57% of the GPA workforce could retire within the next 10 years

TALENT DEVELOPMENT & MANAGEMENT

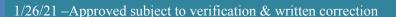
- Annual employee evaluations completed, and adjustments implemented per pay-forperformance program
- Organizing comprehensive employee training program to enhance employee capabilities, present upward opportunities and career development
- Increasing intranet services allowing employees convenient self-service options
- Continuing successful Apprenticeship program to train future skilled force for difficult to hire skill sets
- Continuing seasonal internship program to attract future utility engineers, accountants and other professionals
- Working with Guam Department of Education to help prepare high school students for apprenticeship programs and career paths in the utility
- Promotes GPA & energy careers at outreach events
- Engineers there are forty-five (45) Engineers throughout the organization performing electrical, civil, mechanical, and environmental/regulatory work.
 - · Professional Engineer (PE) Certification
 - o Fourteen (14) Engineers are licensed Professional Engineer (PE)
- Global Industrial Cyber Security Professional (GICSP) & Certified Information Security Auditor (CISA); Three (3) GICSP Certified; One (1) CISA Certified

COMPENSATION STRATEGY

 Continue to migrate employee compensation to the 50th percentile salary market level in order to attract and retain employees. GPA currently at the 20th percentile and implementing a moderate and reasonable migration

AWARDS & RECOGNITION

- Board member, American Public Power Association, for the past 5 years. One of 20 board members serving about 2,000 public power utilities.
- Consecutive 1st through 3rd place annual awards from American Public Power Association for safety excellence. Practicing and promoting safe practices and workplaces is our utmost priority. Receiving this award annually provides a benchmark of achievement of this goal. GPA received the First-Place honor for 2018 safety performance
- SAG award issued to GPA for being first electric distribution utility to migrate to a production ESRI Utility Network
- Mutual Aid Commendation received from American Public Power Association for assistance to CNMI Typhoon Yutu recovery
- APPA designates GPA as Smart Energy Provider (SEP)
 - This is the first year APPA has offered the SEP designation
 - The SEP designation recognizes public power utilities for demonstrating leading practices in four key disciplines: smart energy program structure; energy efficiency and distributed energy programs; environmental and sustainability initiatives; and the customer experience
- Federal Energy Management Program recognizes GPA as one of its Utility Partnership Program utility partners (2020) (https://www.energy.gov/eere/femp/utility-program-utility-partners)



ENERGY INNOVATION

- Integrated three Nissan Leaf Electric Vehicles (EV) into Authority's fleet & business operations, with two charging stations. GPA to continue to replace aged fleet with EV most especially as more original equipment manufacturers reduce EV prices
- Bringing Energy Savings to (BEST) Schools Projects funded federal EIC grants (\$2,359,387)
 - . LED lighting retrofit (FY 2019 EIC Grant)
 - Southern High School (\$954,685)
 - George Washington High School (\$295,315)
 LED lighting retrofit (FY 2020 EIC Grant)

 - Agueda I. Johnston Middle School (\$586,771)
 - Maria A. Ulloa Elementary School (\$522,616)
- Bringing Energy Savings to (BEST) Schools Projects funded by GPA (\$500,000)
 - BEST Schools Program Audit Report: A preliminary feasibility assessment for Guam Department of Education (GDOE)
 - Carbullido Elementary School energy efficiency retrofit pilot project
- 40 megawatts of utility scale battery storage in Commissioning Testing to mitigate short duration outages caused by baseload unit trips and Solar PV intermittencies (January 2021 Commercial Operation Date)

CLEANER AIR & WATER

- New 198 MW Plant, Conversion to Ultra Low Sulfur Diesel or retirement of Piti 8&9, decommissioning of Cabras 1&2, and GPA's Renewable Energy and Energy Efficiency Programs will significantly improve the air quality throughout Guam as well as significantly reduce GPA's carbon footprint
- The new power plant will use wastewater from the Northern Wastewater Treatment Plant as its cooling source instead of fresh water from the island aquifer and thereby helping the island have sustainable fresh water for years.
- Decommissioning of Cabras 1&2 and 3&4 promotes healthier harbor ecosystem and eliminates thermal pollution effects on the reef because these plants utilize sea water to cool their condensers resulting in their releasing higher temperature effluent into Apra Harbor.

DEVELOPING RENEWABLE ENERGY

- Installed 25 MW of solar PV renewables (Dandan) accounting for 3% of total energy sales
- Awarded 120 MW of solar PV renewables contracts at about \$0.085/kWh with the expected commissioning by 2022, which will account for 18% of total energy sales and the reduction of fuel oil Imports by 18.5 million gallons annually
- Bid Award under protest for 40 MW of renewables on land leased from the US Navy. This project will capture energy during the day and utilize all energy to offset higher peak energy production cost, which will account for 5.5% of total energy sales and the reduction of fuel oil imports by 5.5 million gallons annually
- New power plant project awarded allowing GPA to target 50% renewables by 2035 resulting in substantial reduction of fuel cost and furthermore the stabilization of LEAC
- Facilitated the expansion of the Net Metering Program to ~2,100 customers (estimated 24.1 MW in total connected systems)
- Completed Renewable Integration Study (2018) to determine necessary investments for increasing renewable penetration above 25% into the GPA grid
- Updated Integrated Resource Plan nearing completion. Roadmap to 50% renewables by 2035 to be presented for CCU approval by mid-2021.

ISLAND PARTNERSHIPS

- Kicked off a sustainable tree trimming and pole painting program including a pilot partnership with nine (9) village Mayors
- Successful Bond refinancing to reduce annual payments by \$500K; \$1 MM return to ratepayers participating in DSM program. \$500K contributed to assist GDOE reduce its annual utilities cost via BEST Schools Program
- Obtained and assisted GovGuam agencies in obtaining grants \$2.1 MM GPA Wind Turbine Project;
 \$500K for DPW Solar PV System;
 \$2.359 MM for GDOE Lighting retrofits via BEST Schools Program);
 These grants result in savings to ratepayers and these customers
- Assisting Guarn Energy Office on \$64K for Energy Audits and creating Energy plans for individual schools
- Assisted UOG in renovating an existing building energy with efficient equipment resulting in 50% to 75% savings from similar UOG buildings
- Assisted Guarn Memorial Hospital Authority by conducting preventive maintenance of their electrical system in order to avoid imminent electrical system failures which would impact patient care
- Assisted the Department of Corrections in addressing their standby generators issues which when not available creates prison safety issues
- Promote energy solutions and sustainable practices through participation and sponsorship community programs such as the annual University of Guam's Island Sustainability Conference
- Promote utility initiatives and careers through school outreach program
- Educates and promotes benefits of a publicly-owned utility through community outreach events such as annual Public Power Week
- Developing Energy-Efficiency & Renewable Energy Projects for Navy & AAFB via GPA's Utility Energy Services Contracting (UESC) Program

INDUSTRY PARTNERSHIPS

- · Active membership & participation with the American Public Power Association
- GPA General Manager serves as APPA Region 10 Director, representing members from Guam, Commonwealth of the Northern Mariana Islands, American Samoa, Puerto Rico, US Virgin Islands, & Canada
- Federal Energy Management Program recognizes GPA's UESC Program as one of its Utility Partnership Program utility partners (2020) (https://www.energy.gov/eere/femp/utility-program-utility-partners)
- GPA has established ETI Partnership with U.S. Department of Energy, Lawrence Berkeley National Laboratory, Argonne National Laboratory, Carnegie Mellon University, and Northern Arizona University on FRONTIER Project to determine investments for building greater resiliency and renewable energy use for the GPA system. (2020)
- Provided significant assistance to the CNMI CUC Utility in restoring power to Saipan and Tinian after Typhoon Yutu in Oct 2018. Provided labor, equipment and materials totaling over \$6M over a 4-month period. Received complete reimbursement for the assistance resulting in labor savings to our ratepayers.

KEY INITIATIVES FOR 2020

2020 + Initiatives	
Update Strategic Plan	
Update Integrated Resource Plan	
Integration of Additional Renewables	
Develop Diversified Fuel Mix	
Optimize Reserve Margin Requirements	
Improving Power System Resiliency	
Reducing Customer Outages	
Investigate the Feasibility for a T&D Underground Conversion Program	
Digital Utility Transformation	
Enhancing Physical and Cybersecurity	
Implement Workforce Development & Sustainability Policy	
Implement Strategic & Sustainable Training & Compensation Programs	
Develop & Implement Disaster & Typhoon Resiliency Policy	
Continue Concrete Pole Hardening	
Continue Underground Hardening Progress	
Maintain Target Equipment & Material Availability	
Continue Customer Satisfaction Improvements	
Conduct Statistically Valid Customer Surveys to Address Customer Needs & Satisfaction	
Conduct Polls & Focus Groups to Canvass Ideas for Customer Surveys and Further Exploration	
Continue Reliability Improvement Plan	
Vegetation Management Program	
Grid Controller	
Hardening Changeouts to Composite Materials	
Predictive Maintenance Programs	
Continue & Expand Energy Affordability Initiatives	
Energy Sense Program (Doubled Program Size with LEAC Funding)	
Utility Energy Services Contracting (UESC) (Renewed BOA for up to \$50 MM project cap)	
BEST Schools Program (Provided \$2,859,387 in grant & GPA funding)	
Energy Audits	
Revolving Loans	
Lifeline Rates	

Comm. Sanchez explains the rating values with examples to GM Benavente. He said the rating scale range is from 1-5; 5 – Significantly Exceeds Expectations / Outstanding [note: a rating of 5 needs qualification]; 4 - Exceeds Expectations / Above Satisfactory; 3 - Meets Expectations / Satisfactory; 2 - Inconsistently Meets Expectations / Marginal; 1 – Fails to Meet Expectations / Unsatisfactory

The CCU asked the GM to rate himself in these areas and for rating of 5 - must have rationale as to why he feels he deserves the 5. GM Benavente said he rates himself A for effort adding it is hard for him to rate himself. It depends on their satisfaction and what they feel he has achieved. He said clearly that the CCU wants him to provide reliable power the most efficient way possible. He said he is fine with average rating.

Comm. Santos commented that probably Comm. Sanchez and he are more used to this because they come from the private sector. The metrics being used here today is not a typical one used in the private sector – those are profit and goal driven. Comm. Santos said it would not do justice to Mr. Benavente and he would be short-changing himself to say he is fine with an average rating because his performance is not a 3 – is not average.

Comm. Sanchez said this is new dynamic process, it is formal and detailed relative to performance. Per law the CCU is evaluating you in public. He told the GM that he just finished presenting to the Commission a summary / highlight many pieces that are part of your evaluation and with that broad background he invited the GM to reassess his stance because it is not fair to give average score because some sections are above average. He further asked the GM to work with CCU on this process and go down line by line just as they did with his other colleagues and just tell the Commission his honest assessment on how he thinks he did based on the summary he provided.

The GM responded that in terms of his evaluation the number doesn't matter to him what matters is the appreciation and understanding that he did his best. It is awkward to ask him to say something about himself.

Comm. Simon said the Commission wants to rate you in public on behalf of the ratepayers who are the main board for GPA the CCU is just the minor board. We owe this to our ratepayers and that is the role we play today with Mr. Benavente's help

Comm. Guthertz said she knows Mr. Benavente very well – he is very humble man and will not be comfortable doing this. Because of this she thinks he will probably not rate himself the way he should. That said, she said she is ready to evaluate Mr. Benavente; she does not need him to do anything further.

Comm. Sanchez said he appreciates how awkward it is. The Commission developed an approach and the CCU can change it next year. The Commission has asked the other CCU reports to do this exercise and would like to keep consistent in all fairness to them and to the process.

Comm. Santos said that Comm. Duenas, Guthertz and Sanchez have served here the longest. The Commission has developed a true way to do these evaluations and while we have asked our employees to rate themselves, the Commission still needs to do their job and rate the employees as well. He agrees with Comm. Guthertz he too is ready to rate Mr. Benavente and recommends that the Commission move forward. He thanked Mr. Benavente for all he has done to get the evaluation to this point and said now it's the Commission's turn.

Mr. Benavente thanked the Commission for their consideration and said everything that he does he does as best as he can. He said maybe average is not the way to go and admitted once more that he has a very hard time rating himself.

Comm. Guthertz asked for a 5-minute break; It was 10:27 a.m.

The meeting was called back to order at 10:35 a.m. and CCU deliberated on rating Mr. Benavente.

Mr. Benavente was rated on two [2] sections -key performance indicators [70%] and his personal competency {30%]

Section A Key Performance Indicators:

- 1. Managing Operations 30% of total performance score
- 2. Managing Finance 15% of total performance score
- 3. Managing People 15% of total performance score
- 4. Managing Information 10% of total performance score

Section B Personal Competencies

- 1. Strategic Perspective 5% of total performance score
- 2. Building Teams 5% of total performance score
- 3. Communication 5% of total performance score
- 4. Information Search 5% of total performance score
- 5. Achievement Focus 5% of total performance score
- 6. Judgment 5% of total performance score

The overall summary of Mr. Benavente's rating is noted below.

Mr. Benavente received (2) ratings of 5 during the rating process. One was related to 1.1.4 under operations specific to planning functions and/or developing and pursuing new business strategies initiatives for long term growth. Comm. Simon gave him a rating of 5 in this section because under his leadership GPA's renewable portfolio will achieve 25% by 2023, 12 years earlier than the Legislative mandate of 2035. In addition when the new power plant comes on line GPA will burn 18.5 million gallons less oil per year - a huge savings financially and environmentally. The other rating of 5 was given by Comm. Guthertz for Mr. Benavente's performance related to his reports at the CCU meetings. Comm. Guthertz said he is always extremely prepared and thinks ahead.

		Weighted Score
1.1.1	Administer daily business affairs to ensure	
	electricity customers are reeiving the highest	
	level of service at an affordable cost	4.125
1.1.2	Lower fuel and energy costs; identify	
	improvements to eliminate waste and	
	inefficiencies	4.25
1.1.3	Set annual short term goals and ojetives in order to	
	onstantly improve the effileny, reliability, and	
	customer satisfation of all services	4.125
1.1.4	Define GPAs visionary position by managing all	
	planning functions and/or developing and	
	pursuing new business strategies and defining	
	key strategic initiatives for long trm growth,	
	financial security, technology optimization,	
	safety, efficiency and reliability of all GPA	
	operations	4.5
1.1.5	Comply with all federal and local laws and rules	
	and regulations relating to GPA	4.125
1.2.1	Prepare and present genreal an/or specilized	
	reports of the affairs of GPA	4.25
1.3.1	Administer and approve all employee	
	recruitment, reclassifications, trminations and	
	promotions	4.125
1.3.2	Establish and preserve working conditions	
	which are conducive to the health, safety and	
	productive motivation of all Authority's	
	personnel	3.85
1.4.1	Recommend compensatory and copetitive	
	rates and service regulations to the Board	4.125
	1.5 Devote entire time to the business of the	
	Authority	4.162
Weigh	nted Average	1.2501

	2.1 Maintain financial solvency to meet	
	operational capacity	4.33
	2.2 Manage operational expenses to meet	
	budgeted targets/levels	4.167
	2.3 Provide for the development of the Authority's	
	financing program and present to the Board	
	recommendations for the sale of bonds, the	
	use of bonds proceeds and the investments of	
	surplus funds	4.167
	2.4 Make oral and written reports periodically to	
	the Board concerning the operating and	
	financial results of the Authority	4.35
	2.5 Publish a financial report within 120 days from	
	the end of the fiscal year on the financial	
	status of the Authority	4
	2.6 Review the financial and system operational	
	reports to ensure the intergirty of GPA assets,	
	their protectiona nd ensure the IWPS is	
	functining safely an to the highest efficiency	
	and effetiveness possible	4.167
Weigh	ited Average	0.6291
	3.1 Develop sustainable workforce and leadership	4.125
3.1.1	Implement succession planning program	3.875
3.1.2	Implement a structured leadership and	3.073
3.1.2	workfore training	3,375
212	Achief Safety Awareness & Enhanced Safety	3.373
3.1.3	Practices	4
3.1.4	Enhance Employee Satisfaction	4
3.1.4	3.2 Define performance targets and conduct	-
	performance monitoring against performance	
	targets or standards regularly	3,675
	3.3 Conducts supervisory revviews and	3.075
	perfornance evaluations for Executive staff	3.75
	perioritative evaluations for executive staff	3.73
Weigh	ited Average	0.57315

4.1 Attends all meetings of the Board and submit a general report of the affairs of the Authroity. Maintain/improve management reporting to	
the CCU	4.33
4.2 Advise the Board as to the needs of the	
Authority and approve demands for the payent	
of obligations of the Authority within the	
purposes and amounts authorized by the	
Board	4.167
4.3 Provide for transparency on all GPA operaions	
and improve accurace of public/media	
communications	3.33
4.4 Meet all required deadlines for filings,	
compliance reporting and public reporting	
[PUC filing counsent decree, annual report,	
citizen centric report etc.]	4.167
Weighted Average	0.4
Section B	
1 Strategic Perspective	4.162
2 Building Teams	4.167
3 Communication	3.33
4 Information Search	4.167
5 Achievement Focus	4.67
6 Judgement	4.33
Weighted Average	4 2447
Weighted Average	1.2417

The Commission took a short recess after the rating of Mr. Benavente. It was 11:00 a.m.

The Chairman called the meeting back to order under open session at 11:30 a.m. and recognized Comm. Limtiaco.

Comm. Limtiaco addressed the Commission as he did before again referencing 4GCA, Public Officers and Employees, Chapter 15 Standard of Conduct citing the section 15205 related to conflict of interest. He said that Chapter 15 defines conflicts of interest as no employee shall take any official action directly affecting business or other undertaking in which the employee has a financial interest. Financial interest means an interest held by an individual his or her spouse, natural adopted, or dependent children parents, parents-in-law, siblings or siblings-in-law which is an ownership interest in a business, a creditor interest or an insolvent business, an employment or prospective employment for which negotiations have begun, an ownership interest in personal or real property a loan or other debtor interest or a directorship or officership in a business. He said he does not identify any conflicts in a direct business and while the statute does not identify first cousins as a potential conflict, Miguel Bordallo is his first cousin, their mothers are sisters, to err on the side of caution he wanted to go on the record to state that he will recuse himself from participating in the evaluation of General Manager Miguel Bordallo and asked to be excused. Comm. Duenas thanked Comm. Limtiaco and said he was excused.

Chairman Duenas also reminded the Commissioners and stated for the record the at the beginning of the meeting Comm. Santos also advised the CCU that he would recuse himself from the evaluation of Miguel Bordallo due to conflict; Miguel is Comm. Santos' brother in law. So for this portion of the evaluation only three [3] Commissioners will participate: Comm. Guthertz, Sanchez and himself.

Comm. Sanchez explained to GM Bordallo the evaluation process and matrix and how each section is weighted relative to the total score. He said that Mr. Bordallo will be evaluated accordingly

Section A Key Performance Indicators:

- 5. Managing Operations 30% of total performance score
- 6. Managing Finance 15% of total performance score
- 7. Managing People 15% of total performance score
- 8. Managing Information 10% of total performance score

Section B Personal Competencies

- 7. Strategic Perspective 5% of total performance score
- 8. Building Teams 5% of total performance score
- 9. Communication 5% of total performance score
- 10. Information Search 5% of total performance score
- 11. Achievement Focus 5% of total performance score Judgment 5% of total performance score

The GM said he does not have presentation to give the CCU but did distribute supporting material (3) documents, a spreadsheet is relative to the performance criteria, where ever data is included the trend lines are noted; a related narrative and the list of top 25 accomplishments that Comm. Guthertz requested for him to identify.

Comm. Sanchez asked GM to go thru his presentation and link them by category and box at the end of his presentation which he did.

GM Bordallo began his presentation with the Summary Report below which listed the criteria that his evaluation is based, related data specific to that criteria, the performance levels and related remarks.

CRITERION	DATA	Pris	YEARS FY19	FY20	Trend	Remarks
1 Reliability of water and wastewater systems						
1.1.1 Reduction in frequency/duration of outages	Main breaks per month	6	5.50	2.75	-	Average monthly by FI
	2. Post-storm outages (avg days/ocation)	1.06	15	۰	1	Maximum weighted average days per storm
	3. Post-storm outages (max day duration all locino)	4	2	۰		Maximum duration all storms
112 Water Booster Pump Station reliability	1. WBPS Operability (N)	93.7%	94.2%	97.1N	/	% of WBPS pumps operational
113 Reduction in frequency/duration of SSOs	1. SSOs per month	10	14	7	\wedge	Averages are per CY as reported to EPA; FY20 numbers reflect 9 mas. Only
11.4 Sewer Pump Station reliability	1.595 Operability (%)	05.0V	84.7%	87.25	<u> </u>	% of WWPS pumps operational
115 Production wells reliability	1. Active wells per month	*	90	95		Monthly averages by FY
	2. Standby wells per month	4		,	/	Monthly averages by FV
116 WWTP Reliability	WWTP Upgrades Completes for NOPES Compliance	20%	25%	50%	/	Percentage of WWTPs upgraded
1.1.7 Maintain service pressure levels	1. Narrative - PCR Plan / Mgmt					
	2. Low/No pressure calls (calls/month)	22	15	32	/	

		YEARS		Trend	Remarks	
CRITERION	DATA	FY18	F/19	F/20		
2 Compliance of water and wastewater systems						
121 Compliance with drinking water standards	1. number of NOVs per year 2. CCR/DWQ report results	0 On time	0 On time	On time		
122 Compliance with effluent discharge permit requirements	1. Namative - Secondary Upgrades					
12.3 Maintain internal QA/QC processes	1. Narrative - Internal Compliance Off.					
12.4 Customer compliance programs	1. FOG: inspections per year (include re-inspections)	516	332	91	1	Total by CV, 2020 thru Sep - Includes re- inspections; *F/20: COVID-19 impact
	2. FOG: SSOs due to FOG by year	60	85	51	/	Total by CY - 2028 thru Sep; *FY20: COVID 19 impact
	3. CCOP: inspections per year	30	64	60	/	
	4. CCCP: NTC and NOV issued by year	11	46	ш	/ \	
125 Meet Court Order / Consent Decree Requirements	1.CO. Performance (%)	97.8%	90.9%	90.9%	/_	
	2. Items completed by year	91	92	92	/	

		-	YEARS	1	Trend	Remarks
CRITERION	DATA	F/18	F/19	F/20		
1.3 Systems Safety, Security, Resiliency					_	1
13.1 Improve physical security	1. theft incidents by year	24	1	52 16	/ \	Copper wire thefts spiked in 2019
1131	I make an inches	257	2			ARION ANIAN ANI
3.2 Improve cybersecurity	1. employees trained by year	201	0	39	Λ,	*F/20: COVID-19 impacts
	2. cyber incidents reported by year	1		2 1	/	
	70 70					
	3. 2015 Cyber Assessment Findings resolved	195	6	8 719	/	
	3. 2015 Cyper Assessment Findings resolved	199		/25	1	
					\	
13.3 Ensure safe work environment	1. OSHA Report info by year	3		2	_	OSHA Reportable Incidents
3.4 Maintain Emergency Response Plan and readiness	1 Narrative - ERP					
	2. Emergency Response Plan Review/Update	Review	Review	Review & Updated		1
3.5 Maintain Continuity of Operations Plan and readiness	1 Narrative - COVID-19 COOP				ÿ.	
and the second of the second second second	2. COOP Review/Update			Updated		1
448						
.3.6 Improve water resource/aquifer protection	Narrative - NGLA/OGAMP program					
	2. WERI CWMP participation/report	Monitoring	Monitoring	Monitoring/Report		Santa Rita Springs report issued

120000000	(50.0)	17-70	YEARS	1 1223	Trend	Remarks
CRITERION	DATA	FY18	FY19	P/20	10031-0	33555.414
1.4 Capital Improvement Program / System Renewals						
141 Update Water Resource Master Plan	WRMP Review/Update S-Vr OP	Updated Updated	Review New 5-yr Plan	Review updated		111
142 Achieve Target CP Spending Plan	1. CP expended by year	\$45.9M (CIP*: \$71.9M)	\$156M (CIP*: \$29.5M)	\$40.EM (OP: \$112M)		* 2017 CIP Update targets; CIP for F120 is from F120-24 CIP as Adopted by CCU
	2. Narrative - annual IFOP renewals	2 CONTRACTOR STATE	and the same of	and the same of		
1.4.3 Achieve Water System Expansion Goals	Narrative - Line replacements					
	ACP Pipe replacement spending Z-inch Galu. Pipe replac't spending	n/s n/s	nja nja	n/s NO		Scheduled for FY22 start \$2,73M scheduled for FY20
1.4.4 Achieve WW System Expansion Goals	Narrative - Septic tank elimin/SCRF					
	Septic Tank Elimination Program spending Sewer Connection Revolv'g Fund - active acets	n/a	1/2	n/a 3		Scheduled for Fi22 Start 2 loans Fi15; 1 Loan Fi20; bal: \$67,809
1.4.5 Achieve NRW / Water Loss Reduction Goals	1. Narrative - Wt. Control Program, audit, etc					
	2.a. AWWA Water Audit SNRW by year	479	435	42%	1	SNRW = (WL+UU+UM)/WS
	2.b. AWWA Water Audit % Real Lacces by year	37%	325	27%	1	%RL = (WL-4L)/WS
	3. Leak Repair WO Backlog 2016-current	x		6	/	Average Daily Leak WO Backlog

CRITERION		YEARS			Trend
	DATA	FY18	F/19	F/20	
Long-Term Strategic Objectives					
5.1 Advance GWA-DoD System integration	1. Narrative - One Guarn				
1.5.2 Improve investment-grade credit ratings	1. Moody's ratings by year	Seal A-	Bush	Basil	Leve
	SSP ratings by year Rinch ratings by year	586-	A- 856-	A- 568	Upgrade
					1
1.5.3 Balance long term debt financing & revenue financing	1. Ratio of Bond S/IFCIPS by year	12.58	16.00	9.37	-
	2. Bond S spend by year	9,621,532	52,494,201	27,430,055	1
	3. IFCIP S spend by year	4,737,767	3,280,000	2,927,375	-
	4. Annual Asset Renewal Goal 5 vs IFCIP 5 by yr	\$14.0M / \$4.7M	\$15.0M / \$3.3M	\$3.0M / \$2.9M	,
1.5.4 Improve maintain affordability of service	1. average annual bill by year	\$1,100	51,104	\$1,204	Ζ,
	2. Water/Sewer Bill as % of MHI by year	2.20%	2.29%	2.49%	_/_
	3. Narrative - affordability study		-200	-5.74	
5.5 Improve maintain liquidity and reserves	Days cash goal is actual by month.	344 / 339	359 / 303	309 / 470	
1.5.6 Achieve personnel compensation migration objectives	Market percentile goal vs actual by year	10%/10%	20%/ not implemented	20%/ not implemented	

CRITERION	DATA	FY18	YEARS From	FV20	Trend	Remarks
1.0 Finance						
2.1. Financial Capacity to meet operational needs 2.2. Manage operation expenses to meet budget levels.	Revenue budget to actual by year OSM expenses budget to actual by year	\$111.9M / \$100.7M \$64.5M / \$06.5M	\$112.7M / \$111.9M \$89.0M / \$84.9M	\$805.0M / \$96.0M \$85.4M / \$76.7M		
Meet/Exceed minimum data service coverage targets Maintain cash reserve fund levels	DSCR goal is actual by year Unrestricted cash reserve goals is actual by year.	1.73 \$2.9M / \$3.9M \$34.7M / \$25.0M	151 54.0M / \$5.0M 525.0M / \$25.9M	1.30 52.5M / 55.6M 525.0M / 525.7M		
1.5. Identify cost efficiencies / reduce waste	Specific receive fund target to actual by year Narrative - cost efficiencies / waste reduction	\$24.7M / \$25.0M	323 Wil / 323 SW	323 WW / 323 /W		
0 Human Resource Management						
3.1. Improve recruitment and retention	1. Average days to fill position	NA.	72	a	//	
12. Improve / Maintain succession planning	Average Monthly FTE vacancies Narrative - succession planning	60	4	29		
1.3. Improve employee satisfaction / pride	1. Employee survey results	Busine 2017	no update	no update	19	
3.4. Enhance employee training & development	1. In-house training for employees by year	12	13	5		*FV20: COVID-19 impact.
	Number of GEPA Certified employees by year Namshie - GEPA/UDG/AWMA-HWPS	79	20	84	1	
.0 Information Management						
1.1. Public filing requirements	GWA Annual report filing dates by year USEPA Annual WQB filing dates by year OPA CQB filing dates by year Bond/QAC filing dates by year/Qr	Filed in Fells/Mar 2020 Jun-19 Jun-15 Jun-15	May-30 Jul-20 Jul-19	No data yet, to be filed		
4.2. Improve accuracy of public / media communications	1. Narrative - Communications			1		
 Broaden Public Outreach for GWA OP and System Improvement 	2. SCC/Dispanch SMS text issuances by month 1. No. of WBMPU public meetings 2. No. of S-VR PP & CIP public meetings	11	17	26		Monthly Average by FY
	5. Narrative - see item 4.2					
L4. Maintain/enhance management reporting to CCU	1. Narrative		2			
L5. Meet all compliance reporting requirements	1. Court Order Report filing dates by year/Otr	100% (4s a year)	100% (Ar a year)	300% (Ax a year)		

Narrative Supplement to Performance Criteria submitted by GM Miguel Bordallo:

1.1.7 Maintain Service Pressure Levels

In 2006, of the four stated Levels of Service (LOS) in the Water Resource Master Plan, only one had to do with pressure levels. The LOS – *Continuity of Water Supply* – was focused more on maintaining water supply year-round. In the 2018 WRMP update, a total of 16 LOS were adopted, including LOS 8: *Adequate Pressure Exists within the Distribution System,* which lists specific target pressure range of between 35psi and 90psi. While GWA has not in the past tracked performance specific to pressure levels across the distribution system, one of our current projects is implementation of the *Pressure Zone Re-Alignment Plan,* which will establish correct pressure zones (defined by service pressure/elevations) in over 20 existing water service areas (defined simply by boundaries between areas with service isolation valves, booster pump stations, etc.). Moving forward, GWA will be able to monitor pressure levels within each pressure zone to ensure performance against our published LOS.

Progress to date in this performance indicator can be approximated by:

- LOS detail: the increase in the number and specific metrics for pressure levels of service between 2006 to 2018 WRMP
- Finalization of the Pressure Zone Re-Alignment Plan in December 2015
- Integration of PZRP projects into the Water Resource Master Plan update in 2018
- Issuance of the Phase 1 Pressure Zone Realignment Construction bid-package in August 2019
- Issuance of Phase 1 Pressure Zone Realignment Construction contract in December 2019

1.2.2 Compliance with effluent discharge permit requirements

Prior to current NPDES permit issuance, GWA had received 301(h) waivers for compliance with secondary treatment requirements for WWTP effluent discharge into receiving waters, and discharge limitations were contained in the 2011 Court Order compliance provisions. After the 2009 denial of the 301(h) waivers by EPA, new NPDES permits required compliance with secondary treatment standards – GWA has technically been in violation of secondary treatment requirements since the permits were issued.

As part of the Court Order requirements GWA embarked on upgrades to the Agat, Baza Gardens and Umatac-Merizo WWTPs. In addition the Agana and Northern District WWTPs were upgraded to enhance primary treatment as an interim measure pending final negotiations on upgrades to secondary treatment. Upgrade compliance is as follows:

- FY 2018: 1 of 5 (20%) of plant compliance upgrades to secondary A-SR WWTP online
- FY 2019: 1 of 4 (25%) of plant compliance upgrades to secondary BG WWTP decommissioned
- FY 2020: 2 of 4 (50%) of plant compliance upgrades to secondary U-M WWTP online

1.2.3 Maintain internal QA/QC processes

One of the initial tasks discussed with the GWA GM in 2016 was the reorganization of the mid-to-upper management levels. The reorganization plan submitted to and approved by the CCU included four Assistant General Manager positions for (1) Compliance & Safety; (2) Operations; (3) Administration & Support; and (4) Engineering. The plan also proposed organization-wide oversight positions for (1) Field Safety Office, and (2) Field Compliance Officer. The additional AGM positions would allow for tighter management control and scope of supervision to improve quality control. The organization-wide oversight positions would allow for full-time efforts to conduct crucial quality assurance inspections at all operations facilities and worksites for safety and compliance. GWA has also implemented QA/QC measures in our metering operations, with an on-going meter maintenance program involving random meter QA/QC testing.

Progress to date in this performance indicated can be approximated by:

- Progress in filling AGM positions: O AGM-A&S: permanent
- AGM-Ops: acting
- Implementation of meter program QA/QC testing
- Pending appointments to QA/QC positions with organization-wide oversight o Field Safety Office

Field Compliance Officer

1.3.4 Maintain Emergency Response Plan and readiness

GWA has in the past contributed to an overall Government of Guam emergency response plan, with sections of the plan governing water utility preparation, response and recovery actions being prepared by GWA personnel and integrated into the overall plan. GWA's Response Action Coordinators (RACs) have prepared updated information to this planning document, and remain our primary link to overall response efforts when activated during an emergency. GWA has also undertaken the drafting of its own Crisis Management Plan, which includes detailed information on operational preparations in anticipation of emergencies and disasters. Our recent efforts have been focused on:

- 1. improving system operability to adequately prepare before an emergency,
- 2. hardening system infrastructure for resiliency during an emergency,
- 3. maintaining the needed resources for deployment in the immediate post-emergency response and to facilitate recovery thereafter

Progress in this performance indicator can be approximated by:

- improvements in system operational flexibility to increase production to "top-off" reservoirs
- increases in the number of hardened concrete reservoirs
- increased availability of vehicles, heavy equipment and water storage "flex-tanks"
- development of internal crisis management plan, with detailed checklists, operational shift arrangements and communication protocols

1.3.5 Maintain Continuity of Operations Plan and readiness

Prior to FY20, as an essential utility with a robust emergency response capability, continuity of operations was executed with each emergency declaration through Emergency Response Plan and our internal Crisis Management Plan.

With the onset of the COVID-19 pandemic, GWA was forced to modify its normal response to maintain continuity of operations for a long-term public health emergency. The adoption of new emergency (and now Standard Operating) procedures and contingency plans for staffing and teleworking were undertaken and continue to be refined. External coordination efforts were increased to address supply-chain stability, continuity of regulatory compliance, and inter-utility assistance and emergency response. Business processes were modified to insure continuity of customer service availability, including a rapid deployment of

- on-line resources (both inward facing and outward-customer facing),
- drive-thru payment capability
- expanded mobile app and on-line payment options
- expanded vendor payment options
- public messaging relevant to changes in GWA's customer service processes

Moving forward, progress in this performance indicator can be monitored by:

- Formal adoption and annual review/updates of GWA COOP
- Formal adoption and annual review/updates of Emergency/Pandemic Response SOPs
- Formal adoption of Inter-utility Cooperation Agreements (One-Guam, CNMI, etc.)

1.3.6 Improve water resource/aguifer protection

For several years, GWA has relied upon the University of Guam Water and Environmental Research institute (WERI) for scientific analysis and advice on water resource issues related to our operations. GWA has provided water production and analytical data to WERI as part of their mission for water resource monitoring through their various programs, such as the Comprehensive Monitoring Program (CMP) and the Guam Hydrologic Survey (GHS).

Moving into the future, with the One-Guam Water initiative, GWA and the Navy are expanding the number of deep monitoring wells available to monitor and protect the northern Guam lens aquifer (NGLA). GWA is leading the effort through ambitious capital improvement projects for the construction of seven (7) new deep observation wells, and the rehabilitation of 12 existing observation wells within the NGLA. These projects are underway and will be completed in FY2022. Once completed, GWA, the Navy, WERI and the US Geological Survey (USGS) intend to transition the existing monitoring program into the One-Guam Aquifer Monitoring Program (OGAMP), and are in the process of finalizing a Memorandum of Agreement under the One-Guam Water initiative to share in the cost of maintenance of the deep observation wells, and ongoing monitoring efforts for water resource management.

1.4.2 Achieve Target CIP Spending Plan

Starting in 2006, GWA has produced comprehensive 20-year master plans, and 5-year Capital Improvement Programs (CIP) which outline needed improvements to our systems. The latest 5-year CIP covers FY2020-FY2024 and outlines anticipated projects, funding sources and expenditures over that period.

Moving forward, in accordance with the stated financial objectives of the CCU-adopted 2018 Water Resources Master Plan update, GWA intends to strike a balance between debt-financing of large capital program requirements (e.g., new WWTPs, pump stations, etc.), and revenue-financing regular annual renewal requirements (pipeline replacements, fleet vehicles, etc.). GWA has yet to formally propose and establish annual renewal requirements, but moving forward, such goals will be identified and used to track this performance criterion

1.4.3 Achieve Water System Expansion Goals

GWA has an established line replacement program which is intended to replace and expand distribution system capacity. Since 2012, this program has resulted in the installation of over 98,000 linear feet (18.6 miles) of water distribution piping. The line replacement project is currently in its 5th phase.

GWA is also currently expediting replacement of problematic lines as follows:

- Pale Ferdinand, Santa Rita (in construction)
- Casimiru / Tai Road (in procurement)
- Toto Canada Road (pending procurement)

The 2018 WRMPU contained several programmatic items relative to water system expansion and upgrade. These include the following each of which have:

- MP-PW-Pipe-12: Rehabilitation and Replacement Program (continuation of line replacement above)
- MP-PW-Pipe-13: 2-inch Pipe Replacement Program (FY20 start)
- MP-PW-Pipe-14: Asbestos Cement Pipe Replacement Program (FY22 start)

Moving forward, progress in these programs will be used to track this performance item.

1.4.4 Achieve Wastewater System Expansion Goals

Since 2016, GWA has been coordinating with the Guam Environmental Protection Agency (GEPA) to identify residential customers within 200-ft of GWA sewer lines who are not yet connected to the public sewer in an effort to encourage connection, especially in areas that are within close proximity to GWA production wells. This effort has seen limited success.

In the 2018 WRMPU, GWA adopted the Septic Tank Elimination Program which aimed to construct 5000 linear feet of new sewer infrastructure each year (FY22 start). GWA has also proposed improvements to the existing but underfunded and cumbersome Sewer Connection Revolving Fund to go hand-in-hand with the STE Program, such as 1) easing qualification requirements, 2) increasing loan limits, and 3) increasing the total revolving fund amount, to increase participation and effectiveness of the program. The proposed improvements will be included in the STE Analytical Study currently being conducted as part of the recent PUC Order on the GWA FY20-FY24 Financial Plan and CIP.

Going forward, the progress on the STE Program and the Sewer Connection Revolving Fund loan program will be used to track performance for this criterion.

1.4.5 Achieve NRW / Water Loss Reduction Goals

This has been a perennial problem for GWA and continues to be a challenge to GWA Management. Previous efforts to address water loss include leak detection and repair projects, establishment of an internal Leak Detection team, and performance of annual water audits in accordance with AWWA Manual 36. Over the last several years, GWA has undertaken a more multi-faceted and comprehensive approach to water loss control. This has included:

- Production meter replacements (currently under construction) to improve accuracy of measured supply
- Master Meter installations (construction suspended, integrated into current DMA project) to monitor usage within the system and identify leaks
- Pressure Zone Realignment Project (Phase 1 under construction) to control pressures within acceptable limits and eliminate background losses from excessive pressure
- Pilot Test of Satellite Leak Detection to identify leaks where system piping locations are unknown (e.g., lines through undeveloped areas, Tiyan, former NAS)
- Pilot Test of District Metered Areas (DMA) to establish and monitor supply and usage within metered areas to identify and repair leaks (completed with average water loss recovery of 45% in 3 pilot areas)
- Customer Model LP meter replacements (completed) to improve accuracy of water demand and improve water audit results

GWA is currently finalizing a Water Loss Control Program which will establish permanent DMAs, refine water loss control goals and metrics in accordance with new AWWA recommendations, and provide for annual reporting to track progress moving forward.

1.5.1 Advance GWA-DoD System Integration

The 2018 WRMPU identified as a new Level of Service (LOS) goal, the interoperability of GWA and DoD utility system facilities. The GWA operation of the DoD Tumon Maui Well was a proof-of-concept for the One-Guam Water initiative, and has been successfully licensed for several years beyond the initial 1-year "test." GWA has pursued and advanced other interoperability initiatives (i.e., the Mt. Santa Rosa Reservoir Inter-tie with AAFB), however DoD has not authorized final execution as of yet. GWA still struggles with proving reliability and resiliency of our water system, despite significant, albeit recent, improvements. Moving forward, GWA and DoD are revising the "framework" for interoperability, and progress on new goals/projects can be used to track this performance item.

1.5.4 Improve/maintain affordability of service

GWA's significant capital improvement program, which is needed to complete the 2011 Court Order and impending Consent Decree compliance requirements, will result in rate increases to support debt-financing. GWA's challenge will be to keep rates within generally accepted limits related to median household income, and develop affordability/customer assistance programs which address the most vulnerable segment of our customer base.

GWA is currently conducting an analytical study on Affordability which will contain recommendations on rate design strategies and customer assistance program recommendations. The establishment of such a program and adoption of rate design strategies will provide the basis for evaluating this performance criterion moving forward.

2.5 Identify cost efficiencies / reduce waste

There are no over-arching metrics at this time for this performance criterion. GWA Management's continued work with our Internal Auditor to identify areas to focus efforts on efficiencies and waste reduction will provide a means to accomplish this objective.

3.2 Improve / Maintain succession planning

GWA continues to struggle with employee recruitment and retention. We have lost several experienced and licensed operations personnel to competing entities because of the disparities in available compensation rates. Management has encouraged the identification of "alternates" for supervisory positions within the operational divisions as a means to bring up potential succession candidates, and integrate them into management meetings, decision-making and exercising responsible control of their facilities/systems. Moving forward, a formal succession planning policy will be developed and proposed for implementation, to monitor this performance objective.

3.4 Enhance employee training & development

In prior years, GWA employees were encouraged to take GEPA-administered certification exams which were offered once or twice a year. Examinees had to wait 4 months to obtain exam scores and find out if they passed or failed. Exam preparation was limited and offered only immediately preceding the exams.

GWA Management worked with GEPA and the University of Guam to establish computer-based testing administered by UOG under GEPA's authority, in accordance with the national testing standards. The computer-based testing can be conducted on a weekly basis, depending on demand, and results are immediately available. EPA Certification is now made within weeks of a passing result on the certification exams, instead to 1x or 2x per year.

GWA Management also negotiated with the local subsection of the American Waterworks Association (AWWA-Hi Western Pacific Subsection) to provide operator training on a regular basis at no/reduced costs for GWA employees. In addition, AWWA training materials have been purchased and are available through the Personnel Services Division for independent study by GWA employees.

4.2 Improve accuracy of public / media communications

In order to improve information management in this area, Management has issued guidelines establishing a vetting process for operational information prior to release, and standardized media release format for GWA's Water Systems Control Center (WSCC) and Dispatch operators. GWA has also engaged a media/communications consultant to enhance and modernize communications on multiple platforms. This will include messaging on GWA's planned capital improvements and CIP progress.

GWA is in the beginning stages of this effort, and Management anticipates that once a formal strategy is developed, metrics for tracking this performance objective will be available.

4.4 Maintain / enhance reporting to CCU

In the last several years, Management has attempted to streamline and refine information presented to the CCU, providing tabular and graphical summaries of data previously submitted in bullet form. A continuing effort will be made to prioritize information in an easily digestible format that can translate across digital devices and platforms. Management's intent is to allow for at-a-glance summaries on key utility operations and performance, while providing relevant content on more topical matters, and detailed back-up reports/information as appendices.

Top 25 GWA Accomplishments Over the Period 2016-2020 Operations

1. Establishment of critical inventory and re-order setpoint for Production Division (deep well pumps

- and motor inventory)
- 2. Establishment of critical inventory and re-order setpoints for WW Collection Division
- 3. Establish independence in Water System Control Center (WSCC) operations and water reservoir level management (artificial restriction on reservoir levels at 5-ft max by former Commissioner)
- 4. Implementation of Asset Management System / Computerized Maintenance Management System (CMMS)
- 5. Successful "Proof of Concept" for GWA-Navy water system interoperability at the Tumon Maui Well facility GWA operating the facility to Navy Standards
- 6. Improvement in leak repair times and work order backlog elimination (90% reduction from over 200 W.O.s open at end of each day to less than 20 W.O.s)
- 7. Improvement in GWA's operating fleet:
 - a. 5-yr Vehicle Replacement program: replacement of aging light fleet vehicles, adding additional new inventory and retiring vehicles ready to be surveyed
 - b. Long-Term Equipment Lease: procured three-sets of heavy equipment combinations (backhoe-trailer-dump truck) on long-term lease with maintenance included, to increase equipment reliability and provide resources necessary to leak repair crews to maintain performance
 - c. Additional Combination-trucks: procured 3 additional combination trucks (2 new, 1 used) to increase availability of equipment required for continued sewer maintenance efforts and to support CCTV
 - 8. Investigated, Analyzed and Resolved GWA's 2nd Major Meter Failure (Badger LP Meter Failures)

Capital Improvement Program

- 9. Achieved release and expenditure of backlog of US EPA SRF Grant funds (~\$60M) and restored EPA's confidence in GWA Management
- 10. Implementation of Standard Contract format (EJCDC) for A-E Services and Construction; streamlined contract procurement and reduced risk using industry standard contracts
- 11. Securing DOD Office of Economic Adjustment Grant Funding for Guam Water/Wastewater Improvements (\$173M)
 - a. Convincing DOD that GWA should be the Grantee (as opposed to NavFac)
 - b. Maintaining schedule despite delays by
 - i. OEA in releasing the grants
 - ii. EPA in completing NEPA documentation
 - iii. Federal permitting and clearance entities

Project 1: Sewer Interceptor Route 3/Route 9 - completed on schedule and under budget

- a. Project 2: Northern District WWTP Secondary Upgrades :
 - i. Successfully negotiated and secured property purchase
 - 1. Legislative approval secured through work with oversight chair
 - 2. Ancestral Lands Commission approval despite contentious Commission proceedings
 - 3. Property appraisals strategy saved \$845k
 - . Construction contract: in progress (approximately 20% complete) and on schedule
- b. Project 3: NGLA Monitoring Wells Expansion in procurement
- c. Project 4: NDWWTP Outfall Diffuser under contract despite significant procurement difficulties and budget shortfall; financed through savings in other projects
- 12. Oversaw the successful completion of GWA's 20-yr Water Resources Master Plan

Training and Personnel

- 13. Partnering with AWWA Western Pacific Subsection, Guam EPA and UOG to implement computer based Water and Wastewater Operating Certification Testing; allows for more frequent testing and immediate pass/fail results (previously testing only occurred once/year and 8-week notification period for pass/fail).
- 14. Expansion of GWA's Training Program: Improved training for GWA personnel
 - a. New employee "on-boarding" process to include Employee Orientation Training
 - b. TAP-Grant funded training for:
 - i. Leak Detection
 - ii. Combination-Truck Operation and Maintenance
 - c. NASSCO Training for:
 - i. Pipe Inspection Program (CCTV)
 - ii. Manhole Inspection
 - iii. CIPP Inspection
- 15. Reinstated regular random drug testing procedures

Administration / Finance

- 16. Successfully concluded three bond issuances to advance GWA's Capital Improvement Program and achieve significant debt service savings
 - a. Series 2016 Bonds (new money): Par Value: \$143,310,000
 - b. Series 2017 Refunding Bonds: Par Value: \$107,660,000
 - c. Series 2020A Bonds (new money): Par Value \$134,000,000
- 17. Coordinated DLM-AG's Office action to correct title to NDWWTP in Guam Superior Court
- 18. Recommended and achieved adoption of a revised and clarified debt service coverage policy for GWA financial performance
- 19. Recommended and achieved adoption of a revised liquidity policy for GWA financial performance
- 20. Re-established and formalized proper function of the Internal Audit Division and provided additional staffing/support
- 21. Successfully negotiated perpetual easements in favor of GWA for valuable high-production well sites Y-18, Y-19, and Y-20 located on US Government property which reverted to the US Government because of material breach by the Government of Guam, Department of Education; negotiations included US DOE, US GSA and US DOD.

Compliance and Regulatory

- 22. Successfully managed PFAS contamination issue at NAS-1, which included:
 - a. negotiating the acquisition of un-used GAC treatment system from GIAA
 - b. Rehabilitation and activation of GAC treatment system
 - c. Negotiation of temporary connection to GIAA water system to avoid service interruption to Tiyan area, including affected business, government agency and school facilities
- 23. Successfully and proactively managed regulatory and public notification requirements resulting from the PFAS impacts to several GWA production wells
- 24. Continued confidential negotiations on potential Consent Decree with US Department of Justice and US Environmental Protection Agency
- 25. Presented and defended 5-year Financial Plan and CIP before the Public Utilities Commission, including a contentious negotiation and stipulation process with difficult PUC Consultants

At the end of his presentation the Chairman said the Commission realizes that the GM does not does all of this by himself but it speaks to his leadership and was impressed with his presentation; it was data driven. This reflects on Mr. Bordallo's leadership.

He said for the record he would like to commend both Mr. Benavente and Mr. Bordallo; they are excellent managers that excel in the three C's – competence, commitment and caring.

Comm. Sanchez said that he also appreciated all the work and effort put into the presentation because it offers testimony to what has been achieved and what still needs work.

The Commission took a 2-minute recess at this point and when they returned they deliberated to rate GM Bordallo; the results are noted below:

		Total	Weighted Score
1.1.1	Reduction in frequency and durantion of		
	water service outages	4.5	
1.1.2	Imiprovement in water pump station		
	reliability	4.166666667	
1.1.3	Reduction in frequency and duration of		
	SSOs	4.166666667	!
1.1.4	Improvement in wastwater pump station		
	electricity	4.166666667	
1.1.5	Improve/maintain WTP/Wells reliability	4.5	i
1.1.6	Improve/maintain WWTP reliability	4.833333333	
1.1.7	Maintain minimu/maximum service		
	pressure levels [water]	4	
1.2.1	Maintain compliance with drinking water		
	quality standards	4.666666667	
1.2.2	Maintain compliance with wastewater		
	efflunt permit requirements	4.5	
1.2.3	Maintain internal QA/QC process	4.5	
1.2.4	Improve customer compliance programs		
	[cross connection source control]	4	
1.2.5	Meet Court Order and Consent Decree		
	requirements	5	
1.3.1	Improve systems physical security	3.666666667	
1.3.2	Improve systems cybersecurity	4.333333333	
1.3.3	Ensure safe work environment	3.833333333	
1.3.4	Maintain Emergency Response Plan and		
	rediness	4	
1.3.5	Maintain Continuity of Operations Plan		
	and readiness	4	
1.3.6	Improve water resourxes/aquifer		
	protetion	4.166666667	
	050		

1.4.1	Update/maintain Water Resources		
	Master Plana nd 5-year CIP	4.833333333	
1.4.2	Achieve target CIP spending plan/annual		
	renewals	4.666666667	
1.4.3	Achieve water wywtem expansion goals	4.333333333	
1.4.4	Achieve wastewater system expansion		
	goals	3.833333333	
1.4.5	Achieve NRW/water loss reduction goals	4.666666667	
1.5.1	Advance GWA/DoD system integration	4.833333333	
1.5.2	Improve/maintain investment grade		
	credit ratings	4.833333333	
1.5.3	Balance long term debt financing and		
	revenue financing	4.666666667	
1.5.4	Improve/maintain affordability of service	4.166666667	
1.5.5	Improve/maintain liquidity and reserves	4	
1.5.6	Achieve personnel conpensation		
	migration [percentile] objectives	3.333333333	
Weigh	nted #	4.316091954	1.294827586
	2.1 Maintain financial capacity to neet		
	operational needs	4.166666667	
	2.2 Manage operational expense to emet		
	budgeted levels	4.166666667	
	2.3 Meet/exceed minimum debt service		
	coverage ration requirements/targets	4	
	2.4 Maintain all cash reserve fund		
	requirements/targets	3.666666667	
	2.5 Identify cost efficiencies/eliminate waste	4	
Weigh	hted /	4.00000000	0.6
	3.1 Improve recruitment and retention of		
	qualified staff	4.666666667	
	3.2 Improve/maintain succession planning		
	for management/supervisory personnel	4	
	3.3 Improve employee satisfaction and pride	3.33333333	
	3.4 Enhance employee training and		
	development program	4.333333333	

Weighted #	4.083333333	0.6125
4.1 Meet publication deadlines for all required public report filings [annual report EPA annual WQR, citizens centric		
report. Etc] 4.2 Improve accuracy of public/media	4.333333333	
comunications	3.5	
4.3 Broaden public outrach for GWA CIP and	-	
system improvements	3.333333333	
4.4 Maintain/enhance management		
reporting to CCU	4.333333333	
4.5 Meet all compliance reporting		
reuirements [court order, consent	to the commence is	
decree]	4.333333333	
Weighted #	3.966666667	0.396666667
Section B		
1 Straegic perspective	5	
2 Buidling teams	4.333333333	
3 Communications	4.166666667	
4 Information search	4.5	
5	4.5	
6	4.5	
Weighted #	4.5	1.35
Final Rating		4.253994253

GM Miguel received 23 rating of 5's from the three [3] commissioners in 13 key performance indicators and some rationale mentioned in this segment include improvement in main breaks, more active wells per month, improved reliability, NVPS compliance showed marked improvement, completion of WWTP projects in Agat, Merizo and Northern, continuous update of master plan and 5-year CIP plan, exceeded goal from \$212M to \$241M in cumulative CIP's, progress with military partners, rating agency upgrade despite other utilities globally being downgraded, to name a few. The one very high rating in personal competency was relative to strategic thinking and planning

At the end of their deliberation the Commission announced the cumulative scores for both General Managers.

 Miguel Bordallo's was 4.25 – slightly higher than exceeds expectations / above satisfactory John Benavente's was 4.09 exceeded expectations / above satisfactory

Comm. Sanchez said these are numeric scoring over the past 3 years it is clear that our GM's are doing a very good job and we are very blessed to have two very strong general managers that have chosen to work on behalf of our ratepayers and the CCU. These is not an easy jobs, they 24/7 jobs that touch every family, business and citizen on this island. On the power side it is a changing world - we are well ahead of our original renewable goals and well on our way to a new renewable goal. There's that new generator that will provide the reliability while we work our way towards maximizing the amount of renewables the system can handle while keeping the lights on. There's the significant drop in the amount oil consumption once the new plant is operational. We are well on our way to reducing our carbon foot print. On the water side Agat WWTP is done Merizo and Northern are done. There is still Agana but given the success of these others three projects, he has no doubt that Miguel is the right person.

Comm. Duenas said that these are the GM's they drive the bus but it is also a testament to the teams that they have assembled. The people of Guam are getting service and paying a rate that is fair for this service.

Comm. Guthertz said that in all the years of experience with GPA and GWA we have seen growth in the professionalism in these utilities and all the employees have contributed to this led by 2 very competent general managers.

Comm. Guthertz said this is a very helpful interaction and process; it's been healthy not only for the GMs but for all of us. This procedure gave us valuable insight not only to achievements but also challenges that still remain.

Comm. Guthetz made a motion to acknowledge the hard work of both GM's and at this time we retain our CCU 7 employees and maintain their current salary structure, second by Comm. Sanchez.

Comm. Sanchez said All 7 have done a great job and scored well. He agreed with Comm. Guthertz to ask them for their sacrifice. If not for Covid they merit an adjustment but the current Covid environment requires all of us to sacrifice and we will revisit this when the community is better.

On the motion there were 4 ayes / 1 absent. The motion passed.

4. OTHER DISCUSSION

5. ADJOURNMENT

There being no other business to bring before the Commission, the meeting adjourned at 3:00 p.m.

\\s\\ BIS	
Attested	
JOSEPH T. DUENAS. Chairman	MICHAEL T. LIMTIACO Secretary

1/26/21 – Approved subject to verification & written correction

GM REPORT

January 2021



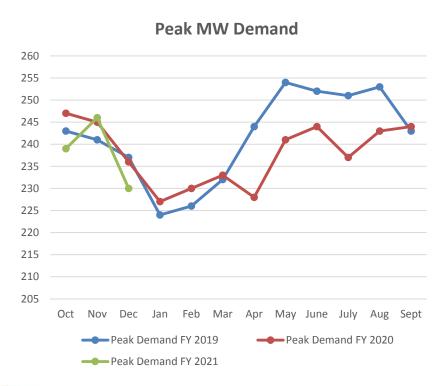


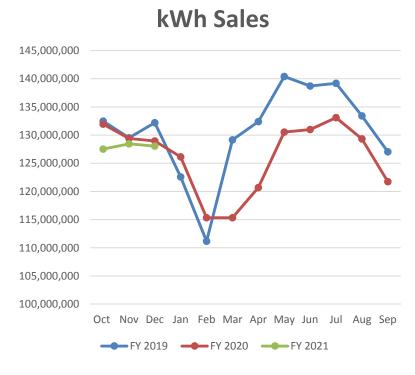
Generation Status:

1. Reserve Margin Forecast for January 2021:

Projected Available Capacity: 365 MW
Projected Demand: 230 MW
Anticipated Reserve Margin: 135 MW

2. Production Characteristics Thru December 2020



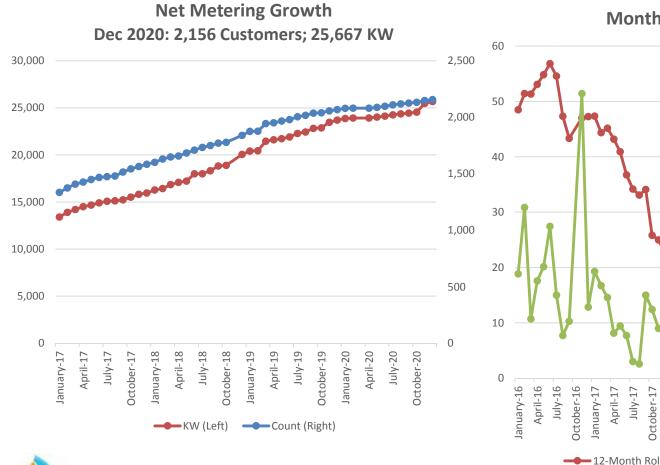


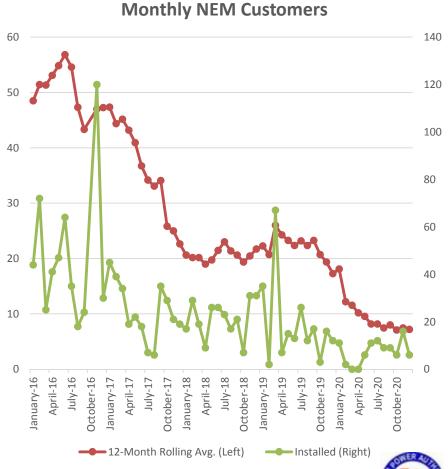




NET METERING

3. Net Metering (NEM) Growth Thru December 2020:

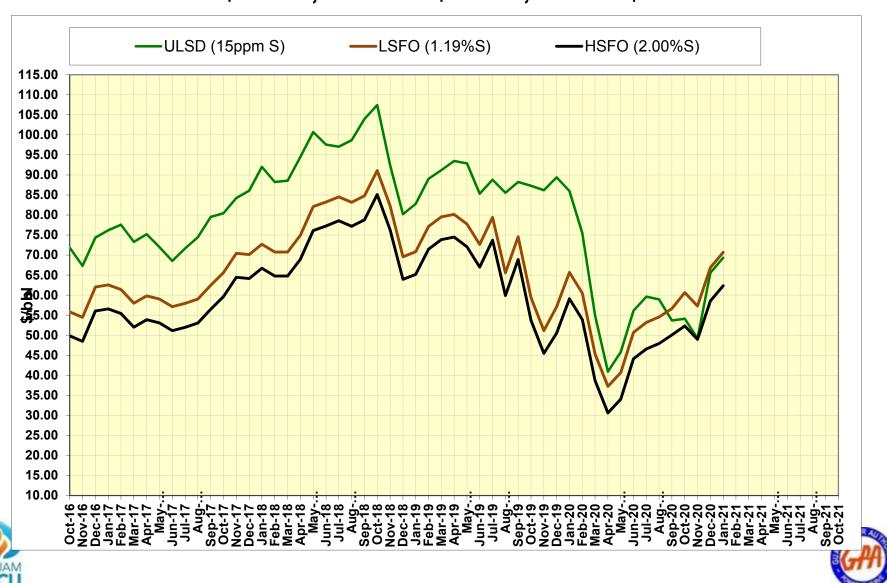






GPA Fuel Landed Cost (Per Barrel) Jan 14, 2021

4. HSRFO-\$62.35; LSRFO-\$70.69; ULSD-\$69.33



5. Demand Side Management Funding

No.	Description	Amount
1	Initial DSM Budget FY 2016	\$1,806,014.00
2	Interest Income	\$5,855.10
3	Bank Fees	\$5,367.32
4	Additional Funding Source 2017 Bond Refunding savings FY 2019 Revenue Funding FY 2020 Revenue Funding FY2020 LEAC (June to September) FY2021 LEAC (October to December)	\$1,139,189.00 \$1,031,500.00 \$348,075.00 \$1,296,397.67 \$625,329.23
5	Total Expense FY2016- FY2020 (Ending May 2020)	\$4,355,078.30
6	Total Expense FY2020 -FY2021 (June 2020 to December 2020)*	\$1,295,107.75
	DSM Ending Balance - LEAC Funds	\$596,806.63

^{*}Preliminary Data as of 12/31/2020.

^{**}December 2020 LEAC Revenues pending





General Manager's Report (con't)

6. PUC Update:

 Public hearings for "Docket 20-10 Petition to Establish Condominium Rate" were held on January 13 & 14, 2021 in Hagatna, Asan, and Dededo respectively. We expect the PUC to address the matter in their January 28, 2021 meeting.

7. Legislative Matters:

- Bill 219-35 Renewable Energy Purchase or Lease-Back for Educational Facilities was placed on the 35th Legislature's December session agenda. The legislation would have resulted in higher rates for non net-metering customers, as well as violated bond covenants. Bill 219-35 was sent from the 3rd Reading File to the 2nd Reading File during the December session, and did not advance to the voting file.
- **Bills 9-36 & 10-36 Introduced**: Both Bills which were introduced in the 35th Legislature have been re-introduced in the current 36th Legislature. The Bills are related to back billing and net metering respectively. Public hearing dates have not been announced.

8. Yigo Diesel Generator PMC Update:

 Issued bid GPA-061-20 for Management, Operation and Maintenance of the now GPA-owned Yigo 40MW Diesel Power Plant (formerly AGGREKO). Price proposals were opened on 10/30/2020. GPA cancelled the bid and plans to make adjustments to specifications. GPA began operating and maintaining units on January 9, 2021.



General Manager's Report (con't)

9. Phase III Renewable Project Update:

 GlidePath filed an appeal in the Superior Court of the OPA's decision which favored a GPA award to Engie for 40 MW of solar with full energy shifting ESS. GPA has no update at this time on the process or the timeline of the court.

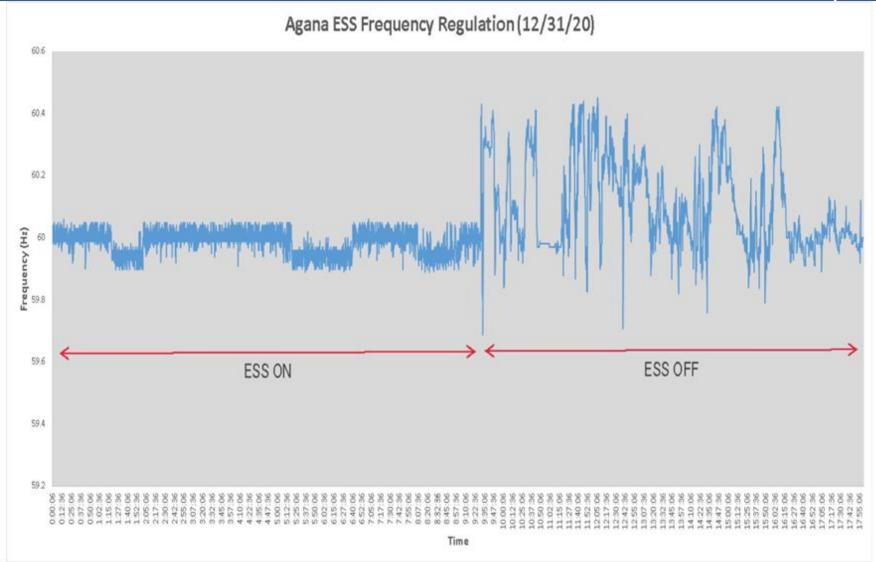
10. Energy Storage System (ESS) Update:

• The construction of ESS projects in Talofofo and Hagåtña have been completed; the energization and commissioning work continues. The following graphs provide a preliminary indication of the positive impact the ESS has on frequency regulation of intermittent solar production energy. The ESS is being operated mainly during weekdays for fine tuning which will continue into February. Commissioning is anticipated no later than March 31, 2021.





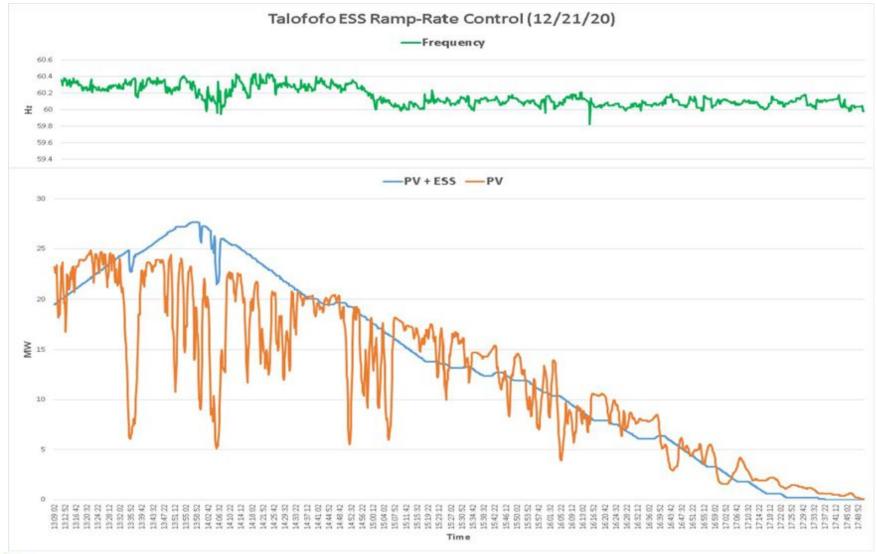
ESS Frequency Regulation Performance Hagåtña ESS Online; Talofofo ESS Offline







ESS Frequency Regulation Performance Talofofo ESS Online; Hagåtña ESS Offline







General Manager's Report (con't)

11. COVID-19 Impact Report:

 The following graph is a summary of GPA's Workforce Availability from October 30 - December 31, 2020

12. Customer Engagement Survey:

- Conducted October 21, 2020 November 21, 2020
- Quantitative baseline
- Mixed-mode internet & telephone

The following slides provide the findings and insights of the survey

13. Generation KPIs:

The following graphs show updated information through Dec. 2020:



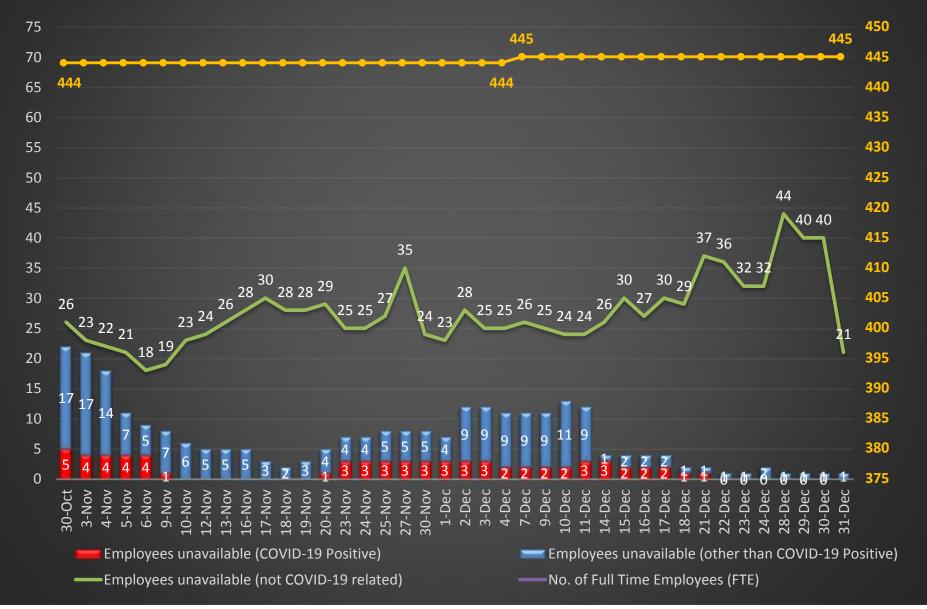


11. COVID-19 Impact Report

GPA Workforce Availability Summary - All Divisions

(KPI 3.3.1. Reduce Safety incidents through awareness and training)

October 30 - December 31, 2020



12. Customer Engagement Survey



Customer satisfaction levels are good

(We aim for *great* customer satisfaction)

Goal: Improve mean score to 8.5+ with 50% in top box

Conducted October 21, 2020 - November 21, 2020

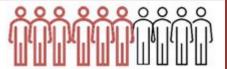
- Quantitative baseline
- Mixed-mode internet & telephone

A total of 1,035 surveys were collected, with quotas set by customer classification.

- Residential post-pay: n=677
- Residential pre-pay: n=120
 - Commercial: n=238

Margin of error for overall sample is +/- 3.05% at a 95% confidence level.

Nearly 6 in 10 customers say GPA is IMPROVING



Opportunities to improve customer engagement & satisfaction

- Reduce outages
- Improve clarity and timeliness of customer communications
- Provide friendly and professional customer call center
- Better communicate variety of options for contacting GPA
- Better communicate customers ways to conserve energy

Most important factors for customers (top 3)

- Being able to pay my bill online (18%)
- Ability to communicate clearly and in a timely manner (12%)
- Supports renewable energy such as photovoltaic (12%)

Preferred modes of communication

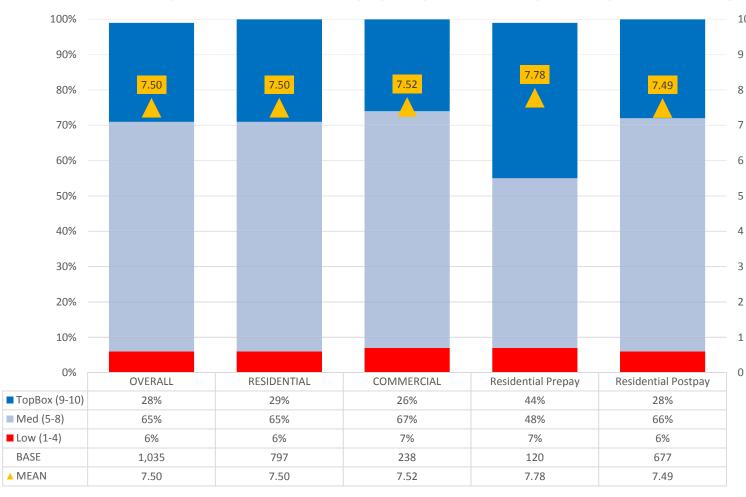
- Email
- Text Messaging





Customer Engagement Survey

OVERALL CUSTOMER SATISFACTION



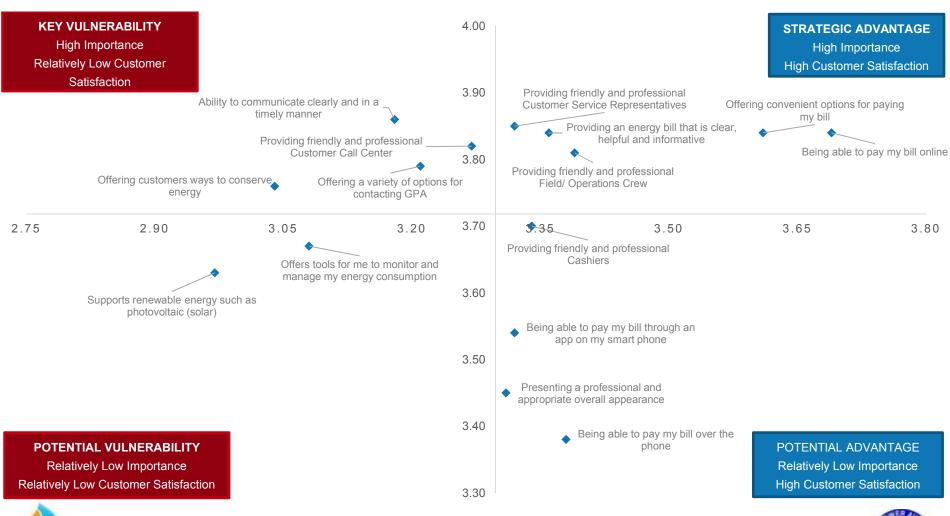
- Residential: those who live in single-family homes gave higher satisfaction scores
- Residential: customers who live in the southern part of the island provide statistically lower satisfaction scores

Q2. Generally speaking, how would you rate your overall satisfaction with GPA and the services they provide to you? On a scale of one to ten with 10 being very satisfied and 1 being very dissatisfied, how satisfied are you with GPA?



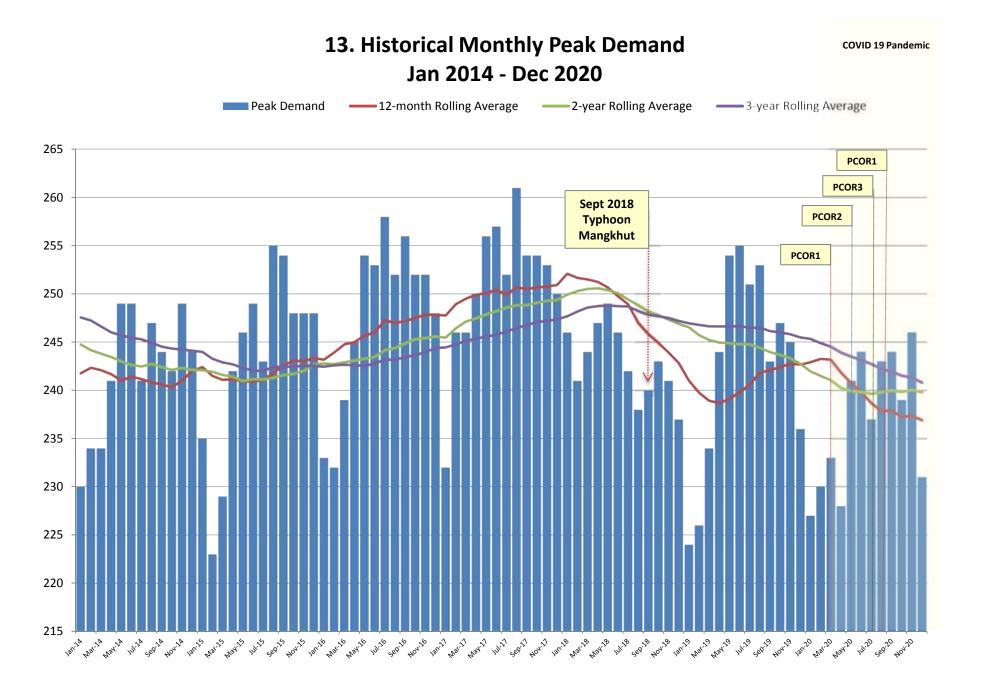
Customer Engagement Survey

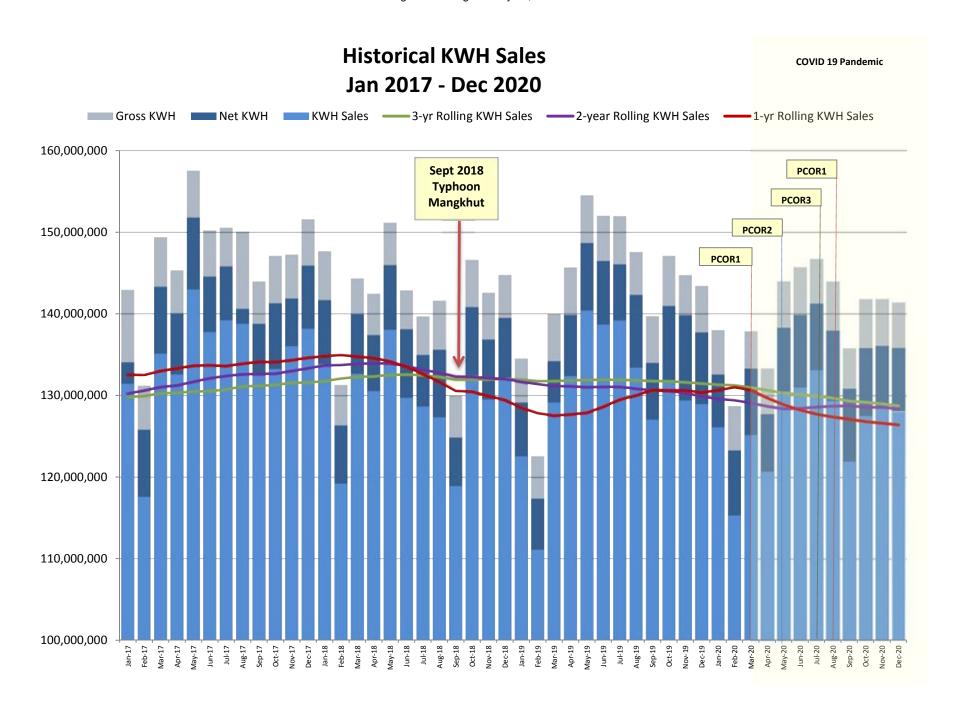
NEED-GAP ANALYSIS

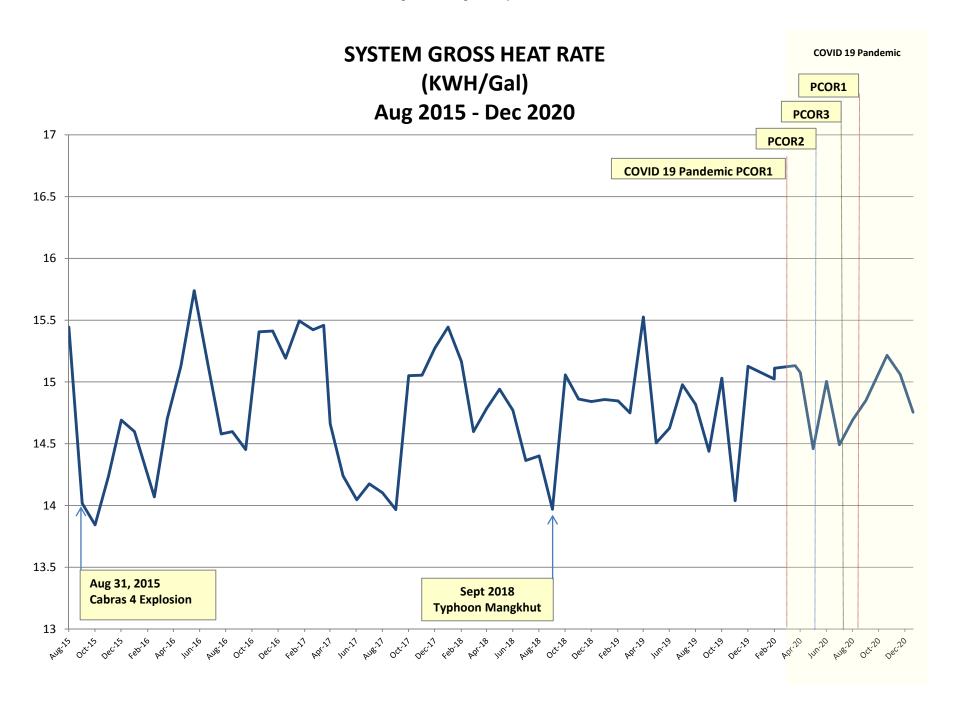


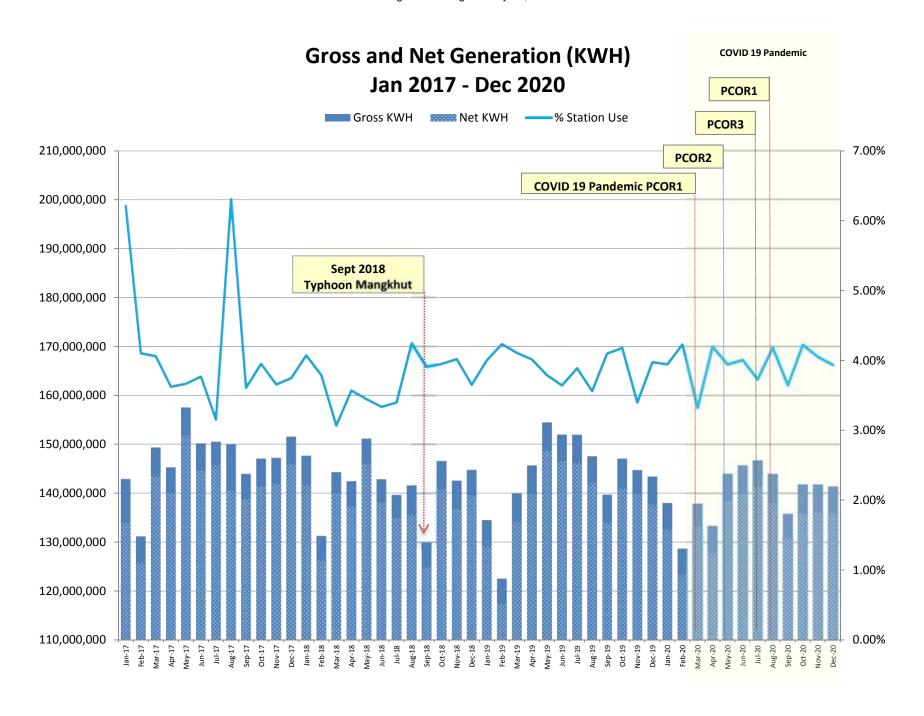






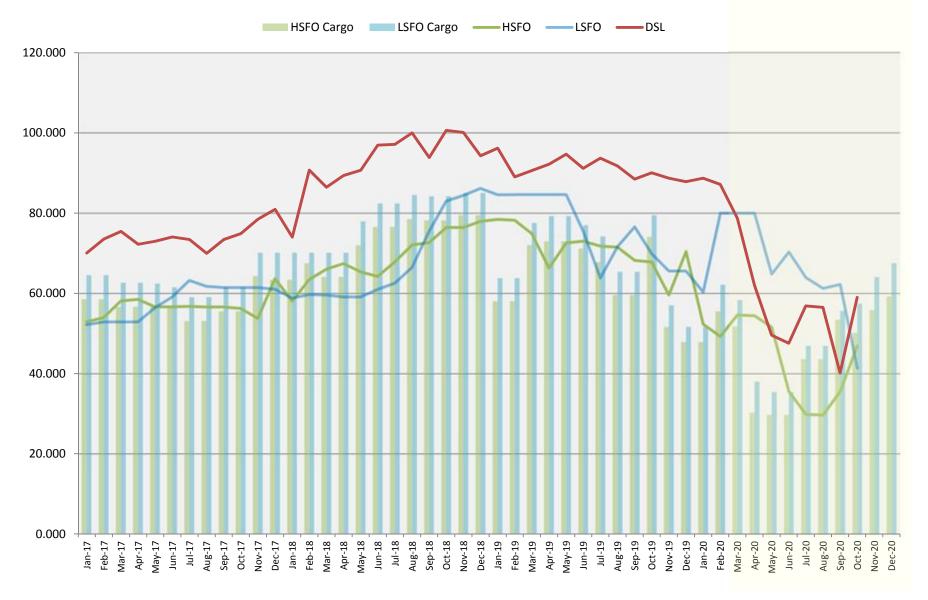






Fuel Cargo and Fuel Consumption Costs (\$/bbl) Jan 2017 - Dec 2020

COVID 19 Pandemic

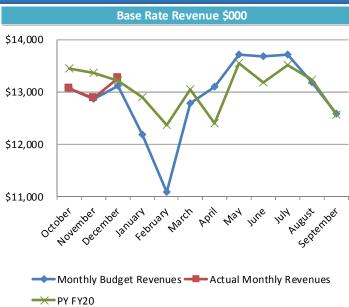


CFO FINANCIAL HIGHLIGHTS December 2020





December 2020 Monthly Financial Highlights



	Through December 31, 2020							
	Monthly	Actual						
	Budget	Monthly				CY vs PY		
\$000	Revenues	Revenues	Variance		PY FY20	Variance		
October	\$ 13,064	13,053	\$ (11)	1	\$ 13,440	\$ (386)	1	
November	12,857	12,869	\$ 12	1	13,358	\$ (489)	↓	
December	13,106	13,254	\$ 148	1	13,216	\$ 38	1	
January	12,174				12,888			
February	11,078				12,357			
March	12,780				13,039			
April	13,085				12,385			
May	13,712				13,550			
June	13,682				13,176			
July	13,708				13,514			
August	13,180				13,220			
September	12,574				12,567			
Total	\$ 155,000	\$ 39,176	\$ 149		\$ 156,709	\$ (838)		

	MWh Sales
150,000	
140,000	
130,000	
120,000	*
110,000	
100,000	
o ^č	Pare Defering Bush tephner Well, Vol. Wer, Mee My Welter Uper
→ Mo	onthly Budget Sales ——Actual Monthly Sales ——PY FY20

	Monthly Budget	Actual Monthly				CY vs PY	
mwh	Sales	Sales	Variance		PY FY20	Variance	
October	127,852	127,515	(337)	1	131,953	(4,438)	Į.
November	125,004	128,440	3,437	1	129,421	(981)	↓
December	127,563	128,053	489	1	128,958	(905)	1
January	118,299				126,130		
February	107,268				115,346		
March	124,649				125,185		
April	127,762				120,688		
May	135,527				130,531		
June	133,849				130,987		
July	134,332				133,116		
August	128,752				129,337		
September	122,569				121,927		
Total	1,513,426	384,008	3,589		1,523,579	(6,324)	6

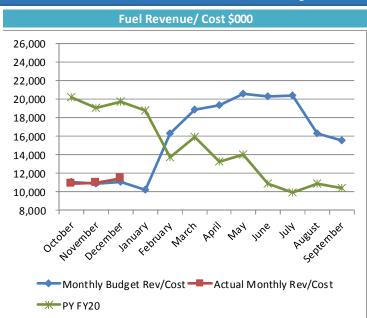
Through December 31, 2020





22

December 2020 Monthly Financial Highlights (Continued)



	Through December 31, 2020									
	Monthly	Actual								
	Budget	Monthly						C'	y vs PY	
\$000	Rev/Cost	Rev/Cost	Varian	nce		P	Y FY20	Vá	ariance	
October	11,098	10,910	\$ (187)	†	\$	20,165	\$	(9,255)	↓
November	10,850	10,984	\$	134	1		19,088	\$	(8,104)	ļ
December	11,072	11,435	\$	362	†		19,697	\$	(8,262)	ļ
January	10,268						18,820			
February	16,274						13,701			
March	18,911						15,968			
April	19,383						13,254			
May	20,561						14,001			
June	20,307						10,867			
July	20,380						9,935			
August	16,352						10,925			
September	15,566						10,438			
Total	\$ 191,023	\$ 33,329	\$	309		\$	176,860	\$	(25,621)	

	O&M Cost \$000
\$10,000	<i>†</i>
\$9,000	
\$8,000	*
\$7,000	
\$6,000	
\$5,000	
\$4,000 ·	November 18 ruser 18 ruser North Roll Not June July Restricted
	onthly Budget Cost ———Actual Monthly Cost ———PY FY20

111104611 2000111120 227 2020								
			Actual					
	M	onthly	Monthly				CY vs PY	
\$000	Bud	lget Cost	Cost	Variance		PY FY20	Variance	
October	\$	5,790	5,515	275	1	5,421	(94)	↓
November		5,469	5,389	80	1	5,572	184	1
December		5,334	5,645	(311)	1	5,460	(185)	↓
January		5,857				5,521		
February		5,530				5,417		
March		6,143				5,723		
April		5,956				5,357		
May		6,211				6,215		
June		5,889				5,578		
July		6,363				5,957		
August		6,543				5,539		
September		9,806				7,700		
Total	\$	74,892	\$ 16,549	\$ 44		\$ 69,461	\$ (96)	No.

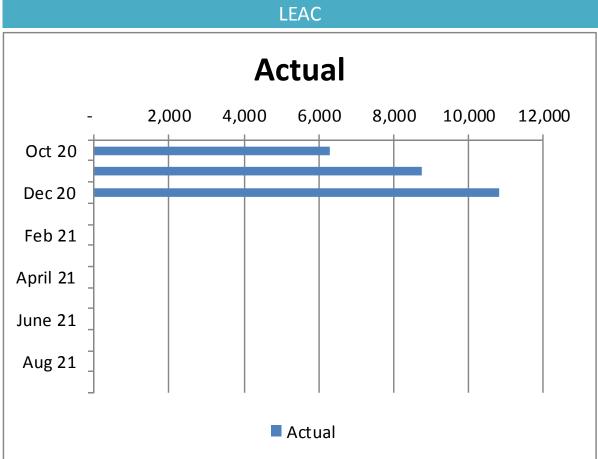
Through December 31, 2020

Through December 31, 2020										
	4Q2018	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021
Residential	43,887	43,920	44,144	44,329	44,479	44,203	44,509	45,069	44,191	44,345
Commercial	5,261	5,273	5,291	5,303	5,289	5,154	5,352	5,309	5,366	5,298
Government	1,077	1,090	1,074	1,075	1,070	1,072	1,059	1,061	1,081	1,068
Streetlights	1,152	1,151	1,152	1,138	1,138	1,135	1,128	1,139	1,132	1,135
Navy	1	1	1	1	1	1	1	1	1	1
Total	51,378	51,435	51,662	51,846	51,977	51,565	52,049	52,579	51,771	51,847

Debt service coverage (DSC) calculation-indenture	2015	2016	2017	2018	2019	2020	2021
Senior lien coverage	3.62	3.28	2.65	2.53	1.97	1.67	1.72
Aggregate debt service coverage	2.62	3.28	2.65	2.53	1.97	1.67	1.72
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.56	2.45	1.79	1.65	1.64	1.48	1.53
Aggregate debt service coverage	1.85	2.45	1.79	1.65	1.64	1.48	1.53







LE	AC
(Unearned)/ Under Recovered	'000 Actual
Oct 20	6,297
Nov 20	8,733
Dec 20	10,797
Jan 21	
Feb 21	
March 21	
April 21	
May 21	
June 21	
July 21	
Aug 21	
Sept 21	
	·





	# Prepaid	Balance in		P	Payment		
Date	Customers	arrear			Plan		Total
July 31, 2020	951	\$	579,651	\$	98,276	\$	677,927
Aug .31, 2020	955	\$	133,710	\$	565,383	\$	699,093
Sept. 30, 2020	996	\$	360,861	\$	546,949	\$	907,810
Oct. 31, 2020	1000	\$	534,346	\$	544,028	\$	1,078,374
Nov. 30, 2020	988	\$	688,253	\$	527,062	\$	1,215,315
Dec. 31, 2020	1002	\$	802,879	\$	514,058	\$	1,316,937





Status Quo

December 2020 Monthly Financial Highlights (Continued)

Proposed LEAC Rate (\$000)

With Actuals thru December 2020

50% Recovery

MS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21

60.61

71.13

49,796

37,869

4,690

92,355

6,443 98,798

80.530% 79,563

1,500

14,709

95,772

(3,740)

92,032 (21,451)

70,581

578,459

0.122016

0.086800

0.03522

35.22

40.57%

19.41%

0.1183770.118036

0.116583

Full Recovery

	М	S Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21	٨	AS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21	2
Average Price per Bbl-RFO	\$	60.61	\$	60.61	\$
Average Price per Bbl-Diesel	\$ \$ \$	71.13	\$	71.13	\$
Number 6 (HSFO/LSFO)	\$	49,796	\$	49,796	\$
Number 2 (Diesel)		37,869		37,869	
Renewable (Solar)		4,690		4,690	
TOTAL COST	\$	92,355	\$	92,355	\$
Handling Costs		6,443		6,443	
Total Current Fuel Expense	\$	98,798	\$	98,798	\$
Civilian Allocation		80.530%		80.530%	
LEAC Current Fuel Expense	\$	79,563	\$	79,563	\$
Estimated DSM for this period	\$	1,500	\$	1,500	\$
Deferred Fuel Expense at the beginning of the period		14,709		14,709	
Total LEAC Expense	\$	95,772	\$	95,772	\$
Less: Trans. Level Costs		(2,660)		(4,819)	
Distribution Level Costs	\$	93,112	\$	90,953	\$
Over recovery/(Under) at the end of the period	\$	(42,902)	\$	-	\$
Adjusted Distribution Level Costs	\$	50,210	\$	90,953	\$
Distribution Level Sales (mWh)		578,459		578,459	
LEAC Factor Distribution		0.086800		0.157233	
Current LEAC Factor Distribution		0.086800		0.086800	
Increase/(Decrease)		(0.0000)		0.07043	
Monthly Increase/(Decrease) - 1000 kWh	\$	(0.00)	\$	70.43	\$
% Increase/(Decrease) in LEAC		0.00%		81.14%	
% Increase/(Decrease) in Total Bill		0.00%		38.83%	
Discount (3%) - Primary 13.8 KV		0.084200	\$	0.152544	\$
Discount (4%) - 34.5 KV		0.083957	\$	0.152104	\$
Discount (5%) - 115 KV		0.082924	\$	0.150232	\$



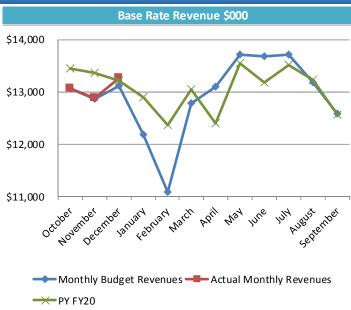


CFO FINANCIAL HIGHLIGHTS December 2020





December 2020 Monthly Financial Highlights



	Through December 31, 2020						
	Monthly	Actual					
	Budget	Monthly				CY vs PY	
\$000	Revenues	Revenues	Variance		PY FY20	Variance	
October	\$ 13,064	13,053	\$ (11)	1	\$ 13,440	\$ (386)	1
November	12,857	12,869	\$ 12	1	13,358	\$ (489)	↓
December	13,106	13,254	\$ 148	1	13,216	\$ 38	1
January	12,174				12,888		
February	11,078				12,357		
March	12,780				13,039		
April	13,085				12,385		
May	13,712				13,550		
June	13,682				13,176		
July	13,708				13,514		
August	13,180				13,220		
September	12,574				12,567		
Total	\$ 155,000	\$ 39,176	\$ 149		\$ 156,709	\$ (838)	

	MWh Sales
150,000 -	
140,000 -	
130,000	
120,000 -	*
110,000	V
100,000 -	Spet pet het lander wart pour war jure juri pet pet
→ Mo	onthly Budget Sales —— Actual Monthly Sales —— PY FY20

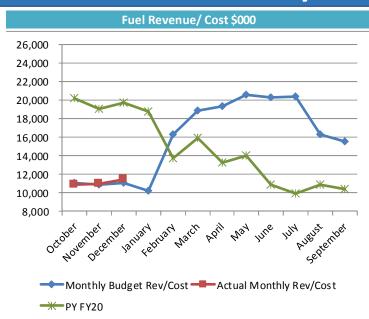
	Monthly Budget	Actual Monthly				CY vs PY	
mwh	Sales	Sales	Variance		PY FY20	Variance	
October	127,852	127,515	(337)	†	131,953	(4,438)	↓
November	125,004	128,440	3,437	1	129,421	(981)	Į.
December	127,563	128,053	489	1	128,958	(905)	Į.
January	118,299				126,130		
February	107,268				115,346		
March	124,649				125,185		
April	127,762				120,688		
May	135,527				130,531		
June	133,849				130,987		
July	134,332				133,116		
August	128,752				129,337		
September	122,569				121,927		
Total	1,513,426	384,008	3,589		1,523,579	(6,324)	-

Through December 31, 2020





3



		Throug	gh Decemb	er 31, 20	20		
	Monthly	Actual					
	Budget	Monthly				CY vs PY	
\$000	Rev/Cost	Rev/Cost	Variance		PY FY20	Variance	
October	11,098	10,910	\$ (187	7) 🕇	\$ 20,165	\$ (9,255)	↓
November	10,850	10,984	\$ 134	1 ↑	19,088	\$ (8,104)	↓
December	11,072	11,435	\$ 362	2 ↑	19,697	\$ (8,262)	1
January	10,268				18,820		
February	16,274				13,701		
March	18,911				15,968		
April	19,383				13,254		
May	20,561				14,001		
June	20,307				10,867		
July	20,380				9,935		
August	16,352				10,925		
September	15,566				10,438		
Total	\$ 191,023	\$ 33,329	\$ 309)	\$ 176,860	\$ (25,621)	

	O&M Cost \$000
\$10,000	<i>†</i>
\$9,000	
\$8,000	*
\$7,000	
\$6,000	
\$5,000	
\$4,000 ·	November 18 ruser 18 ruser North Roll Not June July Restricted
	onthly Budget Cost ———Actual Monthly Cost ———PY FY20

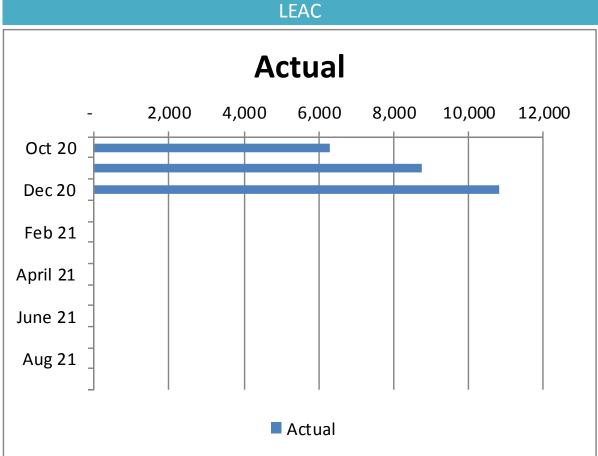
	Through December 31, 2020							
		Actual						
	Monthly	Monthly				CY vs PY		
\$000	Budget Cost	Cost	Variance		PY FY20	Variance		
October	\$ 5,790	5,515	275	1	5,421	(94)	↓	
November	5,469	5,389	80	1	5,572	184	1	
December	5,334	5,645	(311)	1	5,460	(185)	1	
January	5,857				5,521			
February	5,530				5,417			
March	6,143				5,723			
April	5,956				5,357			
May	6,211				6,215			
June	5,889				5,578			
July	6,363				5,957			
August	6,543				5,539			
September	9,806				7,700			
Total	\$ 74,892	\$ 16,549	\$ 44		\$ 69,461	\$ (96)	5	

Through December 31, 2020										
	4Q2018	1Q2019	2Q2019	3Q2019	4Q2019	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021
Residential	43,887	43,920	44,144	44,329	44,479	44,203	44,509	45,069	44,191	44,345
Commercial	5,261	5,273	5,291	5,303	5,289	5,154	5,352	5,309	5,366	5,298
Government	1,077	1,090	1,074	1,075	1,070	1,072	1,059	1,061	1,081	1,068
Streetlights	1,152	1,151	1,152	1,138	1,138	1,135	1,128	1,139	1,132	1,135
Navy	1	1	1	1	1	1	1	1	1	1
Total	51,378	51,435	51,662	51,846	51,977	51,565	52,049	52,579	51,771	51,847

Debt service coverage (DSC) calculation-indenture	2015	2016	2017	2018	2019	2020	2021
Senior lien coverage	3.62	3.28	2.65	2.53	1.97	1.67	1.72
Aggregate debt service coverage	2.62	3.28	2.65	2.53	1.97	1.67	1.72
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.56	2.45	1.79	1.65	1.64	1.48	1.53
Aggregate debt service coverage	1.85	2.45	1.79	1.65	1.64	1.48	1.53







LEAC							
(Unearned)/ Under Recovered	'000 Actual						
Oct 20	6,297						
Nov 20	8,733						
Dec 20	10,797						
Jan 21							
Feb 21							
March 21							
April 21							
May 21							
June 21							
July 21							
Aug 21							
Sept 21							





	# Prepaid	Balance in		Payment			
Date	Customers	arrear		arrear Plan		Total	
July 31, 2020	951	\$	579,651	\$	98,276	\$	677,927
Aug .31, 2020	955	\$	133,710	\$	565,383	\$	699,093
Sept. 30, 2020	996	\$	360,861	\$	546,949	\$	907,810
Oct. 31, 2020	1000	\$	534,346	\$	544,028	\$	1,078,374
Nov. 30, 2020	988	\$	688,253	\$	527,062	\$	1,215,315
Dec. 31, 2020	1002	\$	802,879	\$	514,058	\$	1,316,937





December 2020 Monthly Financial Highlights

Proposed LEAC Rate (\$003)

with Actuals	tnru	December	2020

Average Price per Bbl-RFO
Average Price per Bbl-Diesel
Number 6 (HSFO/LSFO)
Number 2 (Diesel)
Renewable (Solar)
TOTAL COST
Handling Costs
Total Current Fuel Expense
Civilian Allocation
LEAC Current Fuel Expense
Estimated DSM for this period
Deferred Fuel Expense at the beginning of the period
Total LEAC Expense
Less: Trans. Level Costs
Distribution Level Costs
Over recovery/(Under) at the end of the period
Adjusted Distribution Level Costs
Distribution Level Sales (mWh)
LEAC Factor Distribution
Current LEAC Factor Distribution
Increase/(Decrease)
Monthly Increase/(Decrease) - 1000 kWh
% Increase/(Decrease) in LEAC
% Increase/(Decrease) in Total Bill
Discount (3%) - Primary 13.8 KV
Discount (4%) - 34.5 KV
Discount (5%) - 115 KV

Status Quo		Full Recovery		50% Recovery	
MS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21		MS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21		MS Pricing 1.11.21 to 1.15.21 Feb 21- Jul 21	
\$	60.61	\$	60.61	\$	60.61
\$ \$	71.13	\$	71.13	\$	71.13
\$	49,796	\$	49,796	\$	49,796
	37,869		37,869		37,869
	4,690		4,690		4,690
\$	92,355	\$	92,355	\$	92,355
	6,443		6,443		6,443
\$	98,798	\$	98,798	\$	98,798
	80.530%		80.530%		80.530%
\$	79,563	\$	79,563	\$	79,563
\$	1,500	\$	1,500	\$	1,500
	14,709		14,709		14,709
\$	95,772	\$	95,772	\$	95,772
	(2,660)		(4,819)		(3,740)
\$	93,112	\$	90,953	\$	92,032
\$	(42,902)	\$	-	\$	(21,451)
\$	50,210	\$	90,953	\$	70,581
	578,459		578,459		578,459
	0.086800		0.157233		0.122016
	0.086800		0.086800		0.086800
	(0.0000)		0.07043		0.03522
\$	(0.00)	\$	70.43	\$	35.22
	0.00%		81.14%		40.57%
	0.00%		38.83%		19.41%
	0.084200	\$	0.152544	\$	0.118377
	0.083957	\$	0.152104	\$	0.118036
	0.082924	\$	0.150232	\$	0.116583







GUAM POWER AUTHORITY

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

GUAM POWER AUTHORITY FINANCIAL STATEMENT OVERVIEW December 2020

Attached are the financial statements and supporting schedules for the month and fiscal year ended December 31, 2020.

Summary

The increase in net assets for the month ended was \$1.7 million as compared to the anticipated net increase of \$1.2 million projected at the beginning of the year. The total kWh sales for the year were 0.38% more than projected and non-fuel revenues were \$148 thousand more than the estimated amounts. O & M expenses for the month were \$5.3 million which was \$0.3 million over our projections for this year. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$3.0 million, which was \$0.2 million less than the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	2.63	3.40	2
Days in Receivables	45	47	52
Days in Payables	44	17	30
LEAC (Over)/Under	\$8,733,140	\$10,796,841	\$13,733,820
Recovery Balance -YTD			
T&D Losses	5.79%	5.61%	<7.00%
Debt Service Coverage	1.52	1.53	1.75
Long-term equity ratio	2.72%	3.05%	30-40%
Days in Cash	340	314	60

The Quick Ratio has been a challenge for GPA historically. However, the influx of cash from insurance proceeds continues to improve this ratio. GPA has current obligations of approximately \$55 million and approximately \$186 million in cash and current receivables. The LEAC under-recovery for the month was \$2.1 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statements December 2020

Significant Assumptions

The significant assumptions in the financial statements are as follows:

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

Prepared by:

Reviewed by:

Approved by:

Lenora M. Sanz Controller

Anon M. S.

Chief Financial Officer

John M. Benavente, P.E. General Manager

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Net Position December 31, 2020 and September 30, 2020 Unaudited Unaudited Change from December September Sept 30 2020 2020 2020 ASSETS AND DEFERRED OUTFLOWS OF RESOURCES Current assets: Cash and cash equivalents: Held by trustee for restricted purposes: Interest and principal funds 15,867,762 38,059,527 \$ (22, 191, 765) Bond indenture funds 21,370,880 22,590,787 (1,219,907)Held by Guam Power Authority: Bond indenture funds 146,568,567 175,309,549 (28,740,982) Self insurance fund-restricted 19,472,914 19,469,799 3,115 Energy sense fund 1,014,763 261,171 753,592 Total cash and cash equivalents 204,294,886 255,690,833 (51,395,947)Accounts receivable, net 37,685,610 35,364,783 2,320,827 Total current receivables 37,685,610 35,364,783 2,320,827 Materials and supplies inventory 14,267,447 14,501,590 (234, 143)Fuel inventory 32,266,013 32,346,582 (80,569)Prepaid expenses 8,548,527 1,876,268 6,672,259 Total current assets 297,062,483 339,780,056 (42,717,573) Utility plant, at cost: Electric plant in service 1,098,384,852 1,097,908,313 476,539 Construction work in progress 47,581,330 46,936,698 644,632 Total 1,145,966,182 1,144,845,011 1,121,171 Less: Accumulated depreciation (677,562,602)(669, 124, 765) (8,437,837)Total utility plant 468,403,580 475,720,246 (7,316,666)Other non-current assets: Investment - bond reserve funds held by trustee 48,496,236 48,532,630 (36,394)Unamortized debt issuance costs 1,885,730 1,952,816 (67,086)Total other non-current assets 50,381,966 50,485,446 (103,480)Total assets 815,848,029 865,985,748 (50, 137, 719) Deferred outflow of resources: Deferred fuel revenue 10,796,841 5,659,823 5,137,018 Unamortized loss on debt refunding 21,882,654 22,452,744 (570,090)12,264,214 12,264,214 0 19,869,789 Other post employment benefits 19,869,789 n Unamortized forward delivery contract costs 119,438 159,278 (39,840)Total deferred outflows of resources 64,932,936 59,883,043 5,049,893

\$ 880,780,965

\$ 925,868,791

\$ (45,087,826)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Net Position, Continued December 31, 2020 and September 30, 2020

	Maria Santa		
	Unaudited	Unaudited	Change from
	December	September	Sept 30
	2020	2020	2020
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET	POSITION		
Current liabilities:			
Current maturities of long-term debt	\$ 21,540,000	\$ 20,515,000	\$ 1,025,000
Current obligations under capital leases Accounts payable	6,166	2,226,222	(2,220,056)
Operations	10,711,172	28,907,900	(18, 196, 728)
Others	1,723,577	830,203	893,374
Accrued payroll and employees' benefits	1,382,568	2,464,369	(1,081,801)
Current portion of employees' annual leave	3,172,607	2,828,972	343,635
Interest payable	7,249,599	14,417,948	(7,168,349)
Customer deposits	8,966,388	8,729,186	237,202
Total current liabilities	54,752,077	80,919,800	(26, 167, 723)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	<u>19,345,291</u> _	0
Long term debt, net of current maturities	538,114,490	560,599,190	(22,484,700)
Obligations under capital leases, net of current portion	0	0	0
Net Pension liability	77,465,759	78,277,138	(811,379)
Other post employment benefits liability	120,278,682	120,278,682	0
DCRS sick leave liability	1,331,151	1,331,151	0
Employees' annual leave net of current portion	1,204,085	1,204,085	0
Customer advances for construction	428,111	425,814	2,297
Total liabilities	812,919,646	862,381,151_	(49,461,505)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	438,014	584,018	(146,004)
Pension	2,371,109	2,371,109	(1.0,001)
Other post employment benefits	49,240,169	49,240,169	0
Total deferred inflows of resources	52,049,292	52,195,296_	(146,004)
Commitments and contigencies			
Net Position:			
Net investment in capital assets	(21,818,069)	(36,922,563)	15,104,494
Restricted	29,891,452	57,080,028	(27,188,576)
Unrestricted	7,738,643	(8,865,122)	16,603,765
Total net position	15,812,026	11,292,344	4,519,684

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM Statement of Revenues, Expenses and Changes in Net Assets **Three Months Ended** December 31 % of December 31 % of Unaudited Unaudited change Unaudited Unaudited change 2020 2019 Inc (dec) 2019 2020 Inc (dec) Revenues Sales of electricity \$ 24,688,476 Ś 32,912,856 (25)72,505,313 \$ 98,963,996 (27)DSM-Rebates 936,710 311,381 0 Miscellaneous (58,717) 200,764 481,008 (442)223,719 115 Total 25,200,621 32,854,139 (23)73,923,031 99,187,715 (25)Bad debt expense (87,083)(90,917)(261, 249)(272.751)(4)<u>(4)</u> Total revenues 25,113,538 32,763,222 (23)73,661,782 98,914,964 (26)Operating and maintenance expenses Production fuel 11,434,659 19,697,132 (42)33,329,210 58,950,492 (43)Other production 1,190,947 1,185,228 3,460,957 3,890,900 (11)12,625,606 20,882,360 (40) 36,790,167 62,841,392 (41)3,138,335 Depreciation 2,913,848 8 9,727,228 9,116,484 7 **Energy conversion cost** 1.080,398 1.002,901 8 3,241,894 3,030,913 7 Transmission & distribution 1,188,944 1,093,088 9 3,580,371 3,153,830 14 Customer accounting 392,354 449,294 (13)1,188,795 1,325,383 (10)Administrative & general 2,872,844 2,644,775 9 8,318,607 7,804,242 <u>Z</u> Total operating and maintenance exper 21,298,481 28,986,266 (27)62,847,062 87,272,244 (28)Operating income 3,815,057 3,776,956 1 10,814,720 11,642,720 <u>(7)</u> Other income (expenses) Interest income 54,860 345,894 (84)146,621 875,982 (83)Interest expense and amortization (2,216,186)(2,328,876)(6,600,686)(5) (6,958,895)(5) Bond issuance costs 89,228 89,228 0 267,684 267,684 0 Pandemic-COVID19 (47,572) 0 (95,776)0 Losses due to typhoon (72,646)0 (72,646)0 Other expense (4,289)(4,291)(0)(12,881)(12,873)0 (6,295,038) Total other income (expenses) (2,123,959) (1,970,691)8 (5,900,748)<u>Z</u> Income (loss) before capital contributions 1,691,098 1,806,265 4,519,682 5,741,972 (6)(21)Capital contributions 0 0 0 0 Increase (decrease) in net assets 1,691,098 1,806,265 (6)4,519,682 5,741,972 (21)Total net assets at beginning of period 14,120,928 7,077,302 100 11,292,345 3,141,595 <u>259</u>

8,883,567

78

15,812,026

\$ 8,883,567

<u>78</u>

\$ 15,812,026

Total net assets at end of period

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Cash Flows Period Ended December 31, 2020

		Month Ended 12/31/2020	YTD Ended 12/31/2020
		12,51,2520	12/31/2020
Increase(decrease) in cash and cash equivalents			
Cash flows from operating activities:			
Cash received from customers	\$	25,041,620	\$ 71,355,052
Cash payments to suppliers and employees			
for goods and services		33,006,445	83,732,478
Net cash provided by operating activities	\$	(7,964,825)	\$ (12,377,426)
Cash flows from investing activities:			
Interest and dividends on investments and			
bank accounts		54,860	146,621
Net cash provided by investing activities		54,860	146,621
Cash flows from non-capital financing activities			
Interest paid on short term debt		(111,510)	(106,539)
Provision for self insurance funds		(3,115)	(3,115)
Net cash provided by noncapital financing activities		(114,625)	(109,654)
Cash flows from capital and related financing activities			
Acquisition of utility plant		(608,129)	(2,410,561)
Principal paid on bonds and other long-term debt			(20,515,000)
Interest paid on bonds(net of capitalized interest)		(47,572)	(13,706,526)
Interest paid on capital lease obligations		(33,206)	(51,745)
Interest & principal funds held by trustee		(3,977,989)	22,191,765
Reserve funds held by trustee		(5,775)	36,394
Bond funds held by trustee		659,503	1,219,907
Principal payment on capital lease obligations		(742,062)	(2,220,056)
Grant from DOI/FEMA			•
Debt issuance costs/loss on defeasance		(314,900)	(944,700)
Net cash provided by (used in) capital and related			
financing activities		(5,070,130)	(16,400,522)
Net (decrease) increase in cash and cash equivalents		(13,094,720)	(28,740,982)
Cash and cash equivalents, beginning		159,663,287	175,309,549
Cash and cash equivalents-Funds held by GPA, December 31, 2020	<u>\$</u>	146,568,567	\$ 146,568,567

GUAM POWER AUTH (A COMPONENT UNIT OF THE GOV Statements of Cash Flows Period Ended Decembe	ERNMENT OF	GUAM)		
		Month Ended 12/31/2020	BUCO	YTD Ended 12/31/2020
Reconciliation of operating earnings to net cash provided				
by operating activities:				
Operating earnings net of depreciation expense				
and excluding interest income	\$	3,815,057	\$	10,814,720
Adjustments to reconcile operating earnings to net cash				
provided by operating activities:				
Depreciation and amortization		3,138,335		9,727,228
Other expense		84,939		254,803
(Increase) decrease in assets:				
Accounts receivable		(94,149)		(2,320,827
Materials and inventory		89,278		234,143
Fuel inventory		8,803,457		80,569
Prepaid expenses		583,362		(6,672,259
Unamortized debt issuance cost		22,362		67,086
Deferred fuel revenue		(2,063,701)		(5,659,823
Unamortized loss on debt refunding		190,030		570,090
Unamortized forward delivery contract costs		13,280		39,840
Increase (decrease) in liabilities:				
Accounts payable-operations		(22,657,407)		(18, 196, 728
Accounts payable-others		517,581		139,782
Accrued payroll and employees' benefits		422,583		(1,081,801
Net pension liability		(270,207)		(811,379
Employees' annual leave		44,987		343,635
Customers deposits		(553,314)		237,202
Customer advances for construction		(2,630)		2,297
Unearned forward delivery contract revenue		(48,668)		(146,004
Net cash provided by operating activities	\$	(7,964,825)	S	(12,377,426

Guam Power Authority Financial Analysis 12/31/20

Quick Ratio

Α	Reserve Funds Held by GPA
В	Current Accounts Receivable
С	Total Cash and A/R (A+B)
Đ	Total Current Liabilities

Ε Quick Ratio (F/G)

Days in Receivables

Α	FY 21 Moving	12 MosActua
В	No. of Days	

C Average Revenues per day (A/B) Current Accounts Receivable

E Days in Receivables (D/C)

Days in Payables

A	FY	21	Moving	12	Months-Actual
---	----	----	--------	----	---------------

- B No. of Days
- Average Payables per day (A/B)
- Current Accounts Payables
- E Days in Payables (D/C)

Long term equity ratio

- Equity В Total Long term Liability
- Total Equity and liability C
- D Long term equity ratio (A/C)

Days cash on hand

- Unresctricted cash & cash equivalents
- В No. of Days -YTD
- C AxB
- Total Operating expenses excluding depreciation
- E Days cash on hand

Days' Liquidity

- Unresctricted cash , cash equivalents & revolving Credit
- No. of Days -YTD В
- AxB
- D Total Operating expenses excluding depreciation
- E Days liquidity

146,568,567 39,342,111 185,910,678 54,752,077

3.40

307, 108, 439 365 841,393

39,342,111 47

268,982,716 365

736,939 12,434,750

17

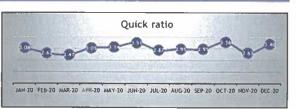
15,812,026.00 502,546,257.00

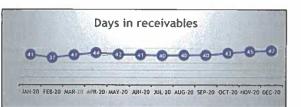
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3.05% 146,569 92

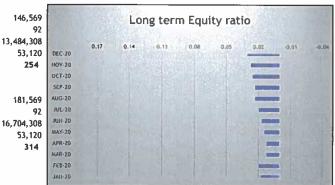
53,120 254

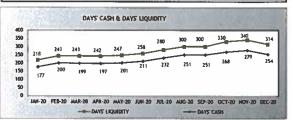
181,569 92 16,704,308 53,120 314











GPA 302 10-Jan-20

GUAM POWER AUTHORITY ACCRUED REVENUE DECEMBER 2020

		FOR THE MONTH ENDED DECEMBER		THREE MONTHS ENDED DECEMBER	
		2020	2019	2020	2019
KWH SALES:					
Residential		47,107,600	41,139,080	142,049,250	124,979,220
Small Gen. Non Demand		5,645,321	5,151,158	16,857,588	16,111,373
Small Gen. Demand		15,604,863	16,007,245	46,535,761	48,748,270
Large General		19,116,309	25,153,208	56,428,588	75,407,283
Independent Power Produ	icer	35,155	34,266	143,172	97,342
Private St. Lights		31,775	31,725	99,207	99,353
	Sub-total	87,541,022	87,516,681	262,113,565	265,442,842
Government Service:		40,433,422			
Small Non Demand		796,758	732,098	2,408,980	2,250,625
Small Demand		8,233,899	8,610,483	23,853,094	25,828,484
Large		4,769,294	5,917,603	14,777,342	18,422,481
Street Lighting		634,577	270,787	1,826,904	1,788,025
Sub-total		14,434,528	15,530,972	42,866,320	48,289,616
Total		101,975,550	103,047,653	304,979,884	313,732,458
U. S. Navy		26,077,078	25,910,039	79,027,667	76,599,126
GRAND TOTA	AL	128,052,627	128,957,692	384,007,551	390,331,584
REVENUE:					
· · · · · · · · · · · · · · · · · · ·		0.454.276	40 222 700	05 450 505	
Residential		8,451,276	10,333,720	25,452,785	31,319,319
Small Gen. Non Demand		1,281,222	1,544,644	3,830,123	4,788,160
Small Gen. Demand		3,144,237	4,451,665	9,348,461	13,436,022
Large General		3,673,430	6,436,132	10,742,905	19,390,231
Independent Power Produ	ICOF	6,783	9,864	21,969	26,341
Private St. Lights		22,998	25,341	70,685	77,083
	Sub-total	16,579,946	22,801,366	49,466,927	69,037,156
Government Service:		8,128,670			
Small Non Demand		196,477	232,560	592,522	714,906
Small Demand		1,777,805	2,461,603	5,187,684	7,422,829
Large		982,731	1,642,284	3,086,160	5,106,030
Street Lighting		398,184	342,012	1,184,092	1,304,793
	Sub-total	3,355,197	4,678,460	10,050,458	14,548,558
	Total	19,935,143	27,479,826	59,517,385	83,585,714
U. S. Navy		4,753,332	5,433,030	12,987,928	15,378,282
GRAND TOTAL		24,688,476	32,912,856	72,505,313	98,963,996
NUMBER OF CUSTOMERS:					
Residential		44,345	44,203	44,273	44,463
Small Gen. Non Demand		4,378	3,953	4,378	4,045
Small Gen. Demand		821	1,079	821	1,082
Large General		97	120	96	120
Independent Power Produ	cer	2	2	2	2
Private St. Lights		517	517	517	516
•	Sub-total	50,160	49,874	50,087	50,229
Government Service:		-98	10/7.5		,
Small Non Demand		685	644	682	644
Small Demand		349	384	359	383
Large		34	44	38	44
Street Lighting		618	618	618	618
	Sub-total	1,686	1,690	1,698	1,690
	Total	51,846	51,564	51,785	51,919
US Navy		1	1	1	1
		51,847	51,565	51,786	51,920
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	TWELVE MONTHS ENDED	DECEMBER 2020	NOVEMBER 2020	OCTOBER 2020	SEPTEMBER 2020	AUGUST 2020	JULY	JUNE	MAY	APRIL 2020	MARCH	FEBRUARY	JANUARY
KWH SALES:													
Residential	549,308,610	47,107,600	47,924,589	47,017,061	46,940,702	48,483,288	49,363,562	49,198,510	50,104,381	45,696,841	43,576,314	35,110,181	38,780,579
Small General Non Demand	62,014,441	5,845,321	5,490,013	5,722,253	5,245,960	5,102,926	6,435,917	5,162,411	4,878,549	4,175,437	5,015,822	4,778,920	5,360,912
Small General Demand	178,802,561	15,604,863	15,180,559	15,750,339	14,377,516	14,642,313	16,197,638	14,741,087	14,574,000	13,085,335	14,683,043	14,767,497	16,008,372
Large General	240,527,616	19,116,309	18,776,244	18,536,035	17,253,957	20,245,005	20,805,621	19,721,335	19,502,429	18,150,138	21,597,825	22,344,580	24,478,138
Private Outdoor Lighting	396,733	31,775	33,169	34,273	34,037	33,040	33,276	34,682	31,190	33,892	31,198	32,183	34,228
Independent Power Producer	430,701	35,155	74,692	33,326	32,898	31,941	29,903	27,636	37,503	28,802	29,018	40,116	29,711
Sub-Total	1,031,480,662	87,541,022	87,479,266	87,093,287	83,885,069	88,543,514	90,865,918	88,885,660	89,128,052	81,170,246	85,133,221	77,063,477	84,691,941
Covernment Service:	****									;			
Small Non Demand	204, 154,8	796,753	785,007	827,215	696,811	712,443	718,063	688,682	667,053	614,102	667,442	669,590	688,336
omail Demand	96,603,555	8,233,899	7,754,428	7,864,767	7,686,747	8,089,781	8,245,957	7,975,765	8,146,861	7,757,273	8,360,160	8,059,004	8,429,943
23	61,595,868	4,769,294	4,826,626	5,181,422	5,039,602	5,187,440	5,281,556	4,947,321	5,002,187	4,644,794	5,578,414	5,396,114	5,741,099
Street Lighting (Agencies)	7,081,824	634,577	\$67,701	634,626	562,996	571,642	617,089	578,122	557,564	634,484	540,956	576,839	615,219
Sub-Total	173,812,779	14,434,528	13,923,762	14,508,029	13,985,156	14,561,306	14,862,665	14,189,891	14,373,665	13,650,663	15,146,971	14,701,547	15.474,596
Total	1,205,293,441	101,975,550	101,403,018	101,601,316	97,870,225	103,104,820	105,728,582	103,075,551	103,501,717	94,820,909	100.280.192	91,785,024	100.166.537
U.S. Navy	311,780,722	26,077,078	27,037,233	25,913,357	23,875,625	26,232,462	27,387,340	27,911,363	27,028,828	25,867,160	24,905,070	23,581,439	25,963,769
		100 020	740 077 007								1		
Grand 1001	1,017,074,163	126,062,627	128,440,251	12/,514,673	121,745,850	129,337,281	133,115,922	130,986,913	130,630,545	120,688,068	125,186,262	115,346,464	126,130,305
REVENUE													
Residential	106,117,503	8,451,276	8,561,989	8,439,520	8,393,434	8,672,639	8,773,199	8,214,601	10,292,144	8.809.987	10.095.552	7.812.393	9.800.770
Small General Non Demand	15,122,266	1,281,222	1,242,336	1,306,566	1,201,673	1,160,148	1,239,063	1,104,294	1,268,804	1.024.880	1,415,097	1.295,574	1,582,611
Small General Demand	39,441,818	3,144,237	3,031,479	3,172,745	2,879,655	2.971.923	3,105,577	2,846,493	3.427,018	2.911.833	3.842.607	3 663 368	4 444 883
Large General	51,302,369	3,673,430	3,471,380	3,598,095	3,378,106	3,949,820	4,065,239	3,769,470	4.394.446	4,024,701	5,298,941	6.323.864	6.364.878
Private Outdoor Lighting	288,855	22,998	23,400	24.287	23.624	23,615	23.702	24.011	23,692	24.175	24.414	25.151	25.787
Independent Power Producer	87,562	6,783	8,640	6.546	6.321	6.763	5,748	5,546	9.424	6.463	8,918	10,647	27.7
Sub-Total	212,360,372	16.579.946	16.339.223	16,547,758	15,882,813	16.784.897	17.212.527	15.954.415	19.415.530	16.802.039	20 683 525	18 130 006	20.7850.55
Government Service:	•	•											
Small Non Demand	2,268,520	196,477	192,813	203,232	173,827	176,557	177,715	169,968	184,693	169.814	201.632	200.103	224 794
Small Demand	22,929,104	1,777,805	1,687,099	1,722,780	1.682.505	1.764.894	1.794.264	1.732.843	2.004,367	1.895.149	2 256 934	2 164 921	2 445 544
Large	14,250,323	982,731	1,003,746	1,099,683	1,071,629	1.101.797	1,116,547	1.056.309	1.214.020	1.129.067	1.461.575	1 404 994	1 608 236
Street Lighting (Agencies)	4,838,947	398,184	387.718	398.191	368,439	389,613	396,843	391.487	402.338	414.838	A12 R39	419 663	418 808
Sub-Total	44,286,894	3,355,197	3,271,376	3,423,885	3,316,400	3,432,861	3,485,369	3.350.607	3.805,415	3.608.857	4.332.879	4 189 580	4 714 468
Total	256,647,286	19,935,143	19,610,598	19,971,643	19,199,213	20,217,758	20,697.896	19,305,022	23,220,945	20,410,896	25,016,404	22,320,576	26.741.172
U.S. Navy	50,461,173	4,763,332	4,242,586	3,992,010	3,805,204	3,926,923	2,750,547	4,738,469	4,330,362	5,228,169	3,990,233	3,736,819	4.966,620
Grand Total	307,108,439	24,688,476	23,853,184	23,963,653	23,004,417	24,144,681	23,448,443	24,043,491	27,551,306	25,639,065	29,006,637	26,067,395	31,707,692
MIMBER OF CHATOMERS.													
Bosidantis	44 177	24.145	44 974	44 100	707 707	77077	*****		470			:	:
Small General Non Demand	4 274	4 378	186	4 976	1	900'4	27,64	991,44	000,00	43,707	44,503	94,746	44,700
Small General Demand	20.6	2	168	929		900	4 4	4,44	4,440	0,240	2000	9 120	4,116
Large Garacal	114	76	2 6	3	130	120	2 5	110	9 6	9 6	240	5.	880,1
Private Outdoor Lighting	516	517	517	517	520	818	163	623	2 2	27.	- 4	3 5	22
Independent Power Producer	7	7	~	7	2	2	2	,		•	• •	2 6	2.
Sub-Total	50.216	50.160	50.090	60.011	50.027	50.709	SO GOR	49 997	49.781	40 641	60 972	£0 643	7 00 02
Government Service:					1					200101	200	i c	100,00
Small Non Demand	650	685	684	678	653	635	635	633	634	636	630	673	650
Small Demand	379	348	356	373	386	386	385	384	385	385	385	388	186
Large	42	ੜ	\$	¥	42	4	43	2	45	46	4	7	4
Street Lighting (Agencies)	517	618	618	618	618	618	618	617	616	616	616	616	616
Sub-Total	1,688	1,686	1,697	1,710	1,699	1,682	1,681	1,678	1,680	1,682	1,675	1.688	1.695
Total	61,904	51,846	51,787	51,721	51,776	62,391	52,289	51,675	51,463	\$1.215	52.048	52,335	62.298
U.S. Navy	-	-	-	-	-	-	-	•	-	-	-	-	-
Grand Total	51.905	R1 847	61 788	64 722	24 777	591.63	20.500	64 678	797 73	-			;
	200112	1010	201,10	77,110	217,10	26,35	087'70	51,676	51,464	51,216	52,049	52,336	52,297

GUAM POWER AUTHORITY ACCRUED REVENUE DECEMBER 2020

					DECEMBER 2020	K 2020					LEAC		0.066800
RATE	NUMBER	КМН	TOTAL REVENUE	ENUE	BASE RATE REVENUE	EVENUE	AVERAGE PER CUSTOMER	DMER	NON	NON-FUEL	Fuel rate	oll.	0.083691
	CUSTOMERS	SALES	AMOUNT	C/KWH	C/KWH	AMOUNT	KWH REV	REVENUE	C/KWH	AMOUNT	C/KWH	AMOUNT	JNT
Morth R Residential	44,345	47,107,600	\$ 8,451,276 \$		17.94037 \$	8,451,276	1,062 \$	_	0.083691	4.508.794	8 3691	e9	3.942.482
G Small Gen, Non Demand	4,378	5,645,321		_	22.69529 \$	1,281,222	1,289 \$	_		808,759			472,463
P Large General	97	_	9 6	_	19.21621	3,673,430	197.075 \$	37,870	\$ 11.839.\$ \$ 10.8940.\$	2.082.524	\$ 8.3222	9 49 6 49	1,305,371
	61	_		_		6,783		_				49	2,839
H Phyate St. Lights Sub-Total	50,160	31,775	\$ 22,998 \$ \$ 16,579,946 \$	18.9396	72.37750 \$ 18.93963 \$	22,998 16,579,946	1,745 \$	4 58	\$ 64.0084 \$ \$ 10.5816 \$	20,339	8,3580	9 9	2,659
Government Service:													
S Small Non Demand	685	_	\$ 196,477 \$			196.477	1,163 \$			129,796		es.	66,681
	349	8,233,899	-			1,777,805	23,593 \$	5,094		1,088,702		s .	689,103
F Street Lighting (Agencies)	618				62.7479 \$	398,184		_		345,076	\$ 6.232 \$ 8.3691	n vo	53,108
Sub-Total	1,686		\$ 3,355,197 \$ \$ 19,935,143 \$	23.2442 \$		3,355,197	8,561 \$ 1,967 \$	385	5 14.9128 \$	2,152,591	\$ 8.3315 \$ 8.3543	s s	1,202,607
U.S. Navy	-		4	_		4,753,332		_		1,837,999	\$ 11.1797	\$ 2.9	2,915,333
TOTAL	61,847	128,052,627	\$ 24,688,476 \$	19.2799	19.2799 \$	24,688,476	2,470 \$	476	\$ 10.3503 \$	13,253,817	\$ 8.9297	\$ 11,4	11,434,659
Three Months Ended December 2020													
R Residential	44,273	-	(4	_		25,452,785	3,209 \$	_		13,564,541		\$ 11.8	11,888,244
G Small Gen. Non Demand	4,378	16,857,588	3 830,123	22 7205 \$	22.7205	3,830,123	3,851 \$	11 282	14.3514 \$	2,419,295	8.3691	\$ 1,4	1,410,828
	8		10,742,905	_		10,742,905		_		6,025,852		9 9	4,717,052
I Independent Power Producer H Private St Lights	517	143,172	21,969 \$	15.3442 \$	15.3442 \$	21 969	277 \$	42	7.0394 \$		8.3047	69 6	11,890
	20.087		49,466,927			49,466,927		_		27,536,353	8.3668	\$ 21,8	21,930,574
								800					W.
S Small Non Demand	349	2,408,980	592,522 \$	24 5964 \$	24.5964 \$	592,522	3,531 \$	_	16.2273 \$	390,912	8.3691	es e	201,610
	38	_	3,086,160	20.8844	20.8844 \$	3,086,160	385,496 \$	_		1,853,717	8.3401	1.2	1,232,443
F Street Lighting (Agencies) Sub-Total	618	1,826,904	\$ 1,184,092 \$ \$ 10,050,458 \$	64.8142 23.4460 \$	64.8142 \$ 23.4460 \$	1,184,092	25,250 \$	5,920	\$ 56.4451 \$ \$ 15.0870 \$	1,031,197	\$ 8.3591	s so	152,895
U.S. Navy	-	79,027,667	\$ 12,987,928 \$	16.4347 \$	16,4347 \$	12,987,928			6.5452 \$	5,172,530	9.8894	\$ 7.8	7.815,398
TOTAL	51,786	384,007,551	\$ 72,505,313 \$	18.8812 \$	18.8812 \$	72,505,313	7,415 \$	1,400	\$ 10.2019 \$	39,176,103	\$ 8.6793	\$ 33.3	33,329,210
								-				١.	
	44.372		106,117,503	_	19.3184 \$	106,117,503	12,380 \$	2,392	9.5324	52,362,075	\$ 9.7860	\$ 53,7	53,755,427
G Small Gen, Non Demand J. Small Gen, Demand	4,274	62,014,441 1	\$ 15,122,266 \$	24.3851 \$	24.3851	15,122,266	14,509 \$			8.984,065	9.8980	\$ 6.1	6,138,200
	114		51,302,369	_		51,302,369	2,111,435 \$		11.0036	26,466,740	5 10.3255	5 24.8	24,835,629
Independent Power Producer	2 2 616	_	87,562 \$	20.3302	20.3302 \$	87,562			10.4504	_			42.553
	50,216	_	212,360,372			212,360,372	20,541 \$	4,229	10.6286 \$	248,352	\$ 10.2091 \$ 9.9593	\$ 102,7	40,503
	-0.0												
S Small Non Demand K Small Demand	650 379		\$ 2,268,520 \$ \$ 22,929,104 \$	26.5899 \$	26.5899 \$ 23.7353 \$	22,929,104	13,132 \$ 255.171 \$	3.492	16.3970 \$	1,398,907	\$ 10.1930	es es	969,613
L Large	42	_	14,250,323			14,250,323	1,452,162 \$	_	12.8645	_			6,326,305
Sub-Total	1,688	_			25.4797 \$	44,286,894	11.4/6 \$	26.240			\$ 10.2532 \$ 10.2630	\$ 17.8	726,112
Sen	51,904	311 780 722	\$ 256,647,266 \$ 50.461,173 \$	21.2933 \$		256,647,266	23,222 \$	4.945		136 045 800	10,0060	\$ 120,6	20,601,466
								-	0		ni	9000	D0.00
TOTAL	51,905	1,617,074,163 \$	\$ 307,108,439 \$	20.2436 \$	20.2436 \$	307,108,439	29,228 \$	5,917 \$	10.2744 \$	155,870,173	\$ 9.9691	\$ 151,2	151,238,266

FOR INTERNAL USE ONLY ENERGY ACCOUNT FY 2021 Versus FY 2020

GPA-318 318Dec20

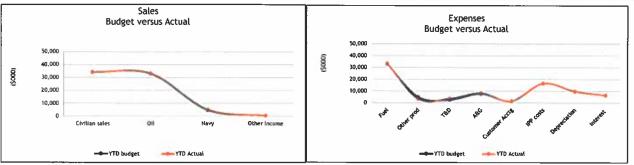
Gross Generation Number of days in Period Peak demand Date Energy Account: Kilowatt hours GPA: Cabras No. 3 Cabras No. 3 Cabras No. 4 MEC (ENRON) Piti 8 (IPP) MEC (ENRON) Piti 9 (IPP) TEMES Piti 7 (IPP) Tranguisson 1 DiesekuCT's & Others: MDI 10MW NRG Solar Dandan	31 231 12/20/20 KWH 74 change 59,062,000 0 21,335,400 28,032,400 3,698,735 0	31 236 12/03/19 NWH 62,744,000 0 26,851,100 26,851,100 26,851,100 2,139,000 0 3,939,000 4,439,390	74,00 79,00 70 70,00 70 70 70 70 70 70 70 70 70 70 70 70 7	92 239 1029721 WWH 7, change 191,075,000 0 74,032,600 74,032,600 5,319,865 0 6,162 11,549,503	92 247 10/23/19 NWH NWH 166,028,000 0 84,034,500 83,946,200 17,851,050 0	% change	366 247 10/23/19 % change	% change
Number of days in Period Peak demand Date Energy Account: Kilowatt hours GPA: Cabras No. 3 Cabras No. 3 Cabras No. 4 MEC (ENRON) Prit 8 (IPP) TEMES Prit 7 (IPP) Tranguisson 1 DieseluCT's & Others: MD1 10MW NRG Solar Pharlan	31 231 22020 200 00 00 00 00 00 00 00 00 00 00	31 12/03/19 NWH 62,744,000 0 27,440,500 26,851,100 26,851,100 2,139,000 0 3,930,000 4,439,390 4,439,390	<u>x</u> =	239 239/21 29/21 22,600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/23/19 10/23/19 N.W.H N.W.H 166,028,000 0 84,034,500 83,946,200 17,851,050 0	% change	107	% change
Date Energy Account: Kilowatt hours GPA: Cabras No. 4 Cabras No. 4 MEC (ENRON) Piti 8 (IPP) TEMES Piti 7 (IPP) Tanguisson 1 DieseleCT's & Others: MD1 10MW NRC Solar Dandan	22020 22020 000200 0 0 0 0 0335,400 0 0 0 0	234 KWH 62.744,000 0 26,831,100 2,139,094 2,139,090 0 3,930,000 4,439,390	<u> </u>	239 29/21 25,000 0 0 0 0 0 0 0 0 0 0 0 0	10,23/19 N.W.H N.W.H 166,028,000 84,034,500 83,946,200 17,851,050 0	% change	20	% change
Energy Account: Kilowatt hours GPA: Cabras 1 & 2 Cabras No. 3 Cabras No. 3 Cabras No. 4 MEC (ENRON) Prif 8 (IPP) TEMES Prif 7 (IPP) Tranguisson 1 Tranguisson 2 Tranguisson 1 DieseluCT's & Others: MD1 100WW NRG Solar Pandan	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1200517 62.744,000 0 27,440,500 26,851,100 2,139,004 2,139,000 0 3,939,000 4,439,390		75,000 0 0 0 0,000 9,863 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	166,028,000 166,028,000 84,034,500 83,946,200 17,851,050 0	% change		% change
Energy Account: Kilowatt hours GPA: Cabras 1 & 2 Cabras No. 3 Cabras No. 3 Cabras No. 4 MEC (ENRON) Prit 8 (IPP) TEMES Prit 7 (IPP) Tanguisson 1 Tanguisson 1 DieseleCT's & Others: MDI 10MW NRG Solar Pharlan	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	62.744.000 0 27.440.500 26.851.100 2.139,030 0 3.930,0000 4.439,390	<u> </u>	75,000 0 0 0 99,800 9,863 0 0 0 6,162 19,503	166,028,000 0 84,034,500 83,546,200 17,851,050 0	E .		
Kilowatt hours GPA: Cabras I. 42 2 Cabras No. 3 Cabras No. 4 Cabras No. 4 MEC (ENRON) Prit 9 (IPP) TEMES Prit 7 (IPP) Tanguisson 2 Tanguisson 1 Discelett's & Others: MD1 10MW NRG Solar Phandan	\$9,062,000 0 0 21,335,400 28,032,400 3,698,725 0	62,744,000 0 27,440,500 26,851,100 2,139,094 0 0 3,930,000 4,439,590 4,439,590		075,000 0 0 0 032,600 999,800 319,865 0 0 6,162 5,462 324,510	166,028,000 0 0 84,034,500 83,946,200 17,851,050 0			
Cabras 1 & 2 Cabras No. 3 Cabras No. 3 Cabras No. 4 MEC (ENRON) Prit 8 (IPP) MEC (ENRON) Prit 9 (IPP) TEMES Prit 7 (IPP) Tanguisson 1 Tanguisson 1 DiesekC(T's & Others: MDI 10MW NRG Solar Dandan	34,062,000 0 0 28,032,400 3,698,725 0	27,440,500 26,851,100 2,133,094 0 0 3,930,000 227,630 4,439,390	-	075,000 0 0 0 0 3032,600 319,863 0 0 6,162 5,462 324,503	166,028,000 0 0 84,034,500 83,946,200 17,851,050 0			
Cabras No. 3 Cabras No. 4 MEC (ENRON) Prit 8 (IPP) MEC (ENRON) Prit 9 (IPP) TREMES Prit 7 (IPP) Tanguisson 1 Tanguisson 2 Tanguisson 1 Diesels/CT's & Others: MD1 10MW NRG Solar Dandan	21,335,400 28,032,400 3,698,725 0	27,440,500 26,851,100 2,139,094 0 0 3,930,000 4,439,390		0 0 0 0 33,600 319,863 0 6,162 6,162 549,503	84,034,500 83,946,200 17,851,036		725,825,000	
MEC (ENRON) Phi 8 (IPP) MEC (ENRON) Phi 9 (IPP) TREMES Pin 7 (IPP) Tanguisson 1 Tanguisson 1 Diesels/CT's & Others: MD1 10MW NRG Solar Dandan	21,335,400 28,032,400 3,698,725 0	27,440,500 26,851,100 2,139,094 0 0 3,930,000 4,439,390		032.600 319,863 0 0 6,162 549,503	84,034,500 83,946,200 17,851,050 0		0 (
MEC (ENRON) prin o (41) MEC (ENRON) prin o (41) TEMES Prin 7 (1PP) Tanguisson 2 Tanguisson 1 Dieseb4CT's & Others: MD1 10MW NRG Solar Dandan	3,698,725 0,698,725 0	2,139,094 2,139,094 0 3,930,000 227,630 4,439,390		0.02,000 319,863 0 0 6,162 549,503	83,946,200 17,851,050 0		000000000000000000000000000000000000000	
TEACHES PILT (1PP) Traguisson 2 Traguisson 1 Dieset/CT's & Others: MDI 10MW NRG Solar Dandan	3,698,725	2,139,094 2,139,094 0 0 3,930,000 2,77,630 4,439,590		319,863 0 0 6,162 549,503	83,346,200 17,851,050 0		321,282,700	
Tanguisson 2 Tanguisson 1 Diesekt(T's & Others: MDI 10MW NRG Solar Pandan	0 0	3,930,000 0 227,630 4,439,390		6,162 549,503	0		304,887,700	
Tanguisson Tanguisson Diesela/CT's & Others: MDI 10MW NRG Solar Dandan		.3,930,000 .277,630 .4,439,390	= 2	6,162 549,503	0		266,817,71	
Diesels/CT's & Others: MDI 10MW NRG Solar Dandon	0	3,930,000 3,930,000 227,630 4,439,390	1 01	6,162 549,503 324,510			0	
MDI 10MW	0	0 3,930,000 0 227,630 4,439,390	- 01	6,162 549,503 324,510	_		0	
NRG Solar Dandan		3,930,000 0 227,630 4,439,390	0_	549,503	922 101		34 346	
	3 972 03	0 227,630 4,439,390	01	324,510	11.628.685		40 675 764	
Dededo CT#1	234.320	227,630 4,439,390	01		016 921		743 770	
Dededo CT #2	308,80	4,439,390	10.	472.870	2.471.280		011,521	
Macheche CT	5,024,159			10.442,028	16.618.158		46 311 015	
Vigo CT (Leased)	4,063,542	4,428.786	80	8,992,408	13,446,535		41.926.109	
Tenjo	743,680	4,507,890	5	5,053,700	14,449,190		26,774,410	
Talofofo 10 MW	0	7,620		5,750	1,059,020		86,440	
Aggreko	12,853,508	6,713,400	35	35,718,772	19,181,225		140,395,282	
Wind Turbine*	0	0		0	12,221		158,359	
Orote	0	0		0	0		0	
Marbo	0	0		0	0		0	
	139,327,944	143,429,410		422,992,966	432,204,710		1,677,392,766	
Katio to lass year	97.14		98 29	78.78		98.19 61.06		97.29
Station use	5,630,731	5,661,925	17.	17,119,245	16,482,421		66.123.643	
Ratio to Gross generation	4 04		3 95	4 05		381		3.94
Mas cond and	414 207 441	207 1171 1160	-	200	****			
Ratio to last year	97 05		97.93	402,673,720	413,722,230	20.17	1,611,269,123	47 77
								77.16
KWH deliveries:								
Sales to Navy (@34.5kv)	26,077,078	25,910,039		79,027,668	76,599,126		311,780,724	
Ratio to last year	19 001		97.70	103 17		98.21		99.80
GPA-metered	107,620,135	111,857,446	326.	326.846.052	339,123,164		1,299,484,194	
Ratio to last year	15 96		97 98	96 38		99.39		96.62
Power factor adj	0	0		0	0		0	
Adjusted	107,620,135	111 857 446	326,1	326,846,052	339,123,164		1,299,485,395	
GPA KWH Accountability:								
Sales to civilian customers-								
accira basis	101,975,550	103,047,653		304,979,884	313,732,457		1,205,293,444	
GPA use-KWH	247 070	150 164	97.52	97.21	210 200	99.21	4000	96.27
Unaccounted For	5 300 656	8 459 409	, Oc	778,0470	1,036,013		3,992,823	
Ratio to deliveries	4 93		7.56	639	1000000	7.18	071,771,07	6.04
Ratio to Gross Generation	3 80		5 90	1 94		5 63		98 9
Ratio to Net Send Out	3.9		6.14	5.15		5 86		561

GPA-317Dec20

Guam Power Authority Fuel Consumption FY 2021

	Decembe	r 2020	VEAR-	TO-DATE	MOVING 12	MONTHS
Description	BARRELS	AMOUNT	BARRELS	AMOUNT	BARREL S	AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	Q	0	0
	0	0	0	0	0	ō
GPA:						
RFO	166,878	\$8,522,037	466,522	\$ 23,477,306	1,723,247	78,932,937
Diesel	58,064	\$3,374,484	136,255	\$ 7.927,447	564,463	36,413,597
Low Sulfur	2.829	\$131,551	69,906	\$ 2,948,152	386,384	21,465,692
Deferred Fuel Costs	0	-\$2,063,701	0	\$ (5,659,823)	0.5	(4,324,203)
Fuel Adjustments	0	\$0		S (16,717)	0.5	(307,231)
Fuel Handling Costs	. 0	\$1,470,288	0	\$ 4,652,846	0.5	19,057,478
	227,771	\$11,434,659	672,683	\$ 33,329,210	2,674,094	151,238,270
IWPS:			ŀ		ľ	
GPA RFO	166,878	\$8,522,037	466,522	\$ 23,477,306	1,723,247	78,932,937
Diesel	58,064	\$3,374,484	136,255	\$ 7,927,447	564,463 5	36,413,597
Low Sulfur	2,829	\$131,551	69,906	\$ 2,948,152	386,384 5	21,465,692
Deferred Fuel Costs	0	-\$2,063,701	0	\$ (5,659,823)	0 5	(4,324,203)
Fuel Variance	0	\$0	0	\$ (16,717)	1 5	(307,231)
Fuel Handling Costs	0	\$1,470,288	0	\$ 4,652,846	0 5	19,057,478
	227,771	\$11,434,659	672,683	\$ 33,329,210	2,674,094 \$	151,238,270
AVERAGE COST/BЫ.	ľ					
GPA RFO		\$51.07		\$50,32		\$45.80
Diesel		\$58.12		\$58.18		\$64.51
Low Sulfur		\$46.51		\$42.17		\$55.56
AS BURNED						
Cabras I & 2						
RFO	98,866	\$ 5,071,582	282,125		1,062,402 \$,,
Low Sulfur	1,630	\$ 75,800	42,908	come Table Terrors	192,137 \$	10,331,616
Diesel	410	\$ 36,499	<u>566</u>	\$ 49,821	948 \$	
	100,906	\$ 5,183,881	325,599	\$ 16,178,191	1,255,487 \$	59,060,428
Cabras 3 & 4						
RFO	0	s -	0	\$ -	0 \$	
Low Sulfur	0	s -		s -	0 \$	
Diesel	0	<u>s -</u>	0	<u>s</u> .	0 5	5.0
!	0	<u>s - </u>	0	<u>.</u>	0 5	-
MEC (Piti Units 8&9)	-385					
RFO	68,012	\$ 3,450,455	184,397	\$ 9.186,575	660,846 \$	30,289,249
Low Sulfur	1,199	\$ 55,751	26,999	\$ 1,110,512	194,247 S	11,134,076
Diesel	<u>0</u>	<u>\$</u>	4.	\$ 392	53 5	3,851
	69,211	\$ 3,506,206	211,400	\$ 10,297,480	855,146 \$	41,427,176
Diesel & CT's - GPA:						
MDI Dsl	0	\$ -	10	\$ 940	33 \$	3,155
Macheche CT	11,045		22,961	S 1,269,588	103,108 \$	6,385,952
Yigo CT	8,714	\$ 492,653	19,969	\$ 1,104,327	93,042 S	
Talofofo 10 MW	0		10	\$ 854	78 S	6,781
Aggreko	24,608		66,563		262,411 \$	16,282,381
Tenjo	1.276		8,870		46,660 S	2.0
TEMES (IPP)	10,237		14,740		50,274 \$	
GWA Generators	11		<u>36</u>		<u>70</u> S	
	57,653	\$ 3,337,985	135,684	\$ 7,877,234	563,461 \$	36,324,622
Deferred Fuel Costs	0	\$ (2,063,701)		\$ (5,659,823)	s	(4,324,203)
2	1				l	192
Adjustment		\$ -		\$ (16,717)	\$	307,231
Adjustment Fuel Handling Costs	<u>0</u>	\$ 1,470,288		\$ (16,717) \$ 4,652,846	2	325 13

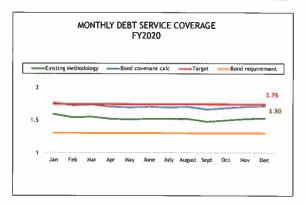
	For the	Compa	ariso	nent of oper- n-Budget ver to date end	sus		, 20	20			100	
				Actual								
		Budget	De	cember-20		Variance	Y	TD Budget	•	/TD Actual	T)	Variance
KwH Sales-Civilian		100,986		101,976		(990)		304,170		305,178		(1,008)
Non-fuel yield	\$	0.113655	\$	0.111948	\$	0.001707	\$	0,112565	\$	0.111423	\$	0.001141
KwH Sales-Navy		24,017		23,876		141		73,689		77,903		(4,214)
Non-fuel yield	\$	0.067791	\$	0.070484	\$	(0,002692)	\$	0.064982	\$	0.066390	\$	(0.001408)
Operating revenue												
Civilian sales	\$	11,478	\$	11,416	Ś	62	S	34,239	Ś	34,004	S	235
Oil	25%	11,072		11,435	٠	(363)	*	33,020	•	33,329	•	(309)
Navy		1,628		1,838		(210)		4,788		5,172		(384)
DSM-Rebates				311		(311)				937		(937)
Other income		180		201		(21)		540		481		59
		24,358		25,201		(843)		72,588		73,923		(1,335)
Bad debts expense	3000	87		87		0		261		261		0
Total operating revenues	\$	24,271	\$	25,114	\$	(843)	\$	72,326	\$	73,661	\$	(1,335)
Operating expenses:												
Production fuel	\$	11,072	\$	11,435	\$	(362)	\$	33,020	\$	33,329	\$	(309)
O & M expenses:												
Other production		1,589		1,191		398		4,928		3,461		1,467
Transmission distribution		884		1,189		(305)		2,632		3,580		(948)
Administrative expense		2,410		2,873		(463)		7,722		8,319		(597)
Customer accounting		451		392		58	_	1,311		1,189		122
	-	5,334		5,645	_	(311)		16,593		16,549		44
IPP costs		1,383		1,080		302		4,148		3,242		906
Depreciation		3,291		3,138		152		9,873		9,727		145
		21,080		21,298		(219)		63,633		62,847		786
Operating income		3,191		3,816		(624)		8,693		10,814		(2,121)
Other revenue (expenses):												
Investment income		83		55		28		250		147		103
Interest expense		(2,185)		(2,216)		31		(6,556)		(6,601)		45
Pandemic -COVID19				(48)		48				(96)		96
Bond issuance costs/Other expenses	-	89	_	85		4		268		255	_	13
Net income before capital contribution		1,179		1,692		(514)		2,655		4,519		(1,865)
Grants from the U.S. Government	-											
Increase (decrease) in net assets	\$	1,179	\$	1,692	\$	(514)	\$	2,655	\$	4,519	\$	(1,865)



Guam Power Authority Debt service coverage December 31, 2020										
	R	estated 2017	-	udited 2018		Audited 2019	Ur	naudited 2020	Uı	YTD naudited 2021
Funds Available for Debt Service			-			and the last of th				
Earnings from Operations	\$	36,522	\$	38,164	\$	39,053	\$	39,440	\$	10,815
Interest Income		122		620		2,746		2,377		(13)
Depreciation Expense		44,292		37,184		36,999		37,958		9,727
Balance Available for Debt Service	\$	80,936	\$	75,968	\$	78,798	\$	79,776	\$	20,529
PP - Capital Costs										
Principal	\$	20,796	\$	23,210	\$	13,470	\$	8,399	\$	2,217
Interest		5,609		3,159		1,068		531		28
Total IPP Payments	\$	26,405	\$	26,369	\$	14,538	\$	8,930	\$	2,245
Bond Debt Service										
Principal (1993 & 1999 Revenue Bond)	\$		\$	•	\$		\$		\$	
Interest (1993 & 1999 Revenue Bond)				•				2		
Principal and Interest (2010 Subordinate Bond)								8.5		14.0
Principal and Interest (2010 Senior TE Bond)		7,999		2,000		2		-		
Principal and Interest (2012 Senior TE Bond)		17,449		17,086		31,467		35,232		8,808
Principal and Interest (2014 Senior TE Bond)		5,084		5,083		5,084		5,087		1,272
Principal and Interest (2017 Senior TE Bond)				5,916		7,607		7,418		1,854
Total	\$	30,532	\$	30,086	\$	44,158	\$	47,737	\$	11,934
Debt Service Coverage (DSC) Calculation										
Existing DSC Methodology (Senior)		1.79	U	1.65		1.46		1.48		1.53
Existing DSC Methodology (Senior+Subordinate)		1.79		1.65		1.46		1.48	-	
Bond Covenant DSC		2.65		2.53		1.78		1.46		1.53
bono covenant bac		2.03		2.33	X	1.70	X	1.07	K	1.72 ×
Debt Service Coverage Requirements										
Existing Ratemaking DSC Target		1.75	x	1.75	ĸ	1.75	x	1.75	ĸ	1.75 ×
Minimum Bond Covenant Requirement (Senior Bond)		1.30		1.30		1.30		1.30		1.30
Minimum Bond Covenant Requirement (Subordinate Bond)		1.20		1.20		1.20	-	1.20		1.20

Notes:

- (1) Source: Guam Power Authority, 2017 2019 Audited Financial Statements and 2020-2021 Unaudited Financial Statements
- (2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit
- (3) Existing DSC Methodology (Rating Agency Method): (Operating Earnings + Depreciation Expense - IPP Principal & Interest Payments)/ (Senior and Subordinate Bond Principal & Interest Payments)
- (4) 8 ond Covenant DSC Methodology; (Operating Earnings + Depreciation Expense)/ (Senior and Subordinate Bond Principal & Interest Payments)



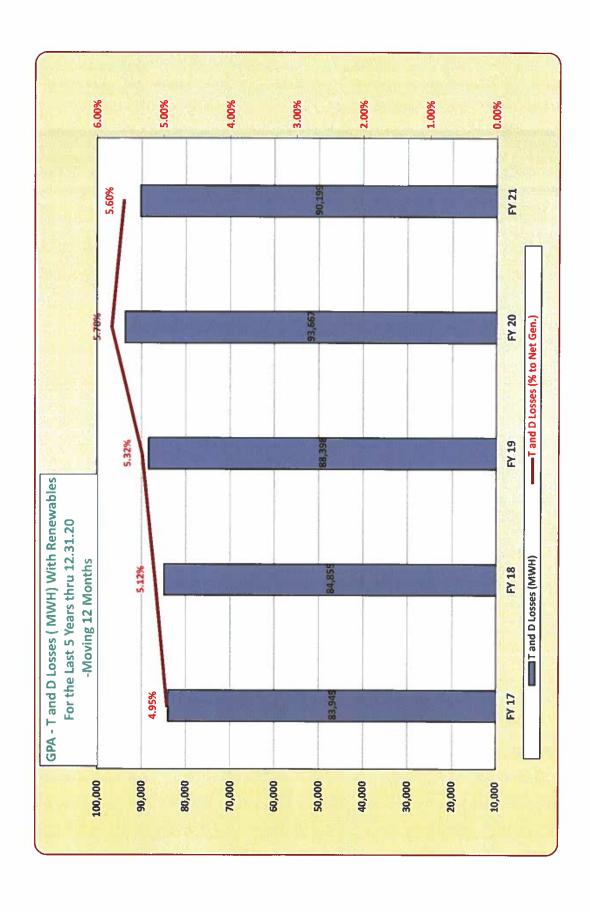
REVENUES-ACTUAL VS PROJECTIONS

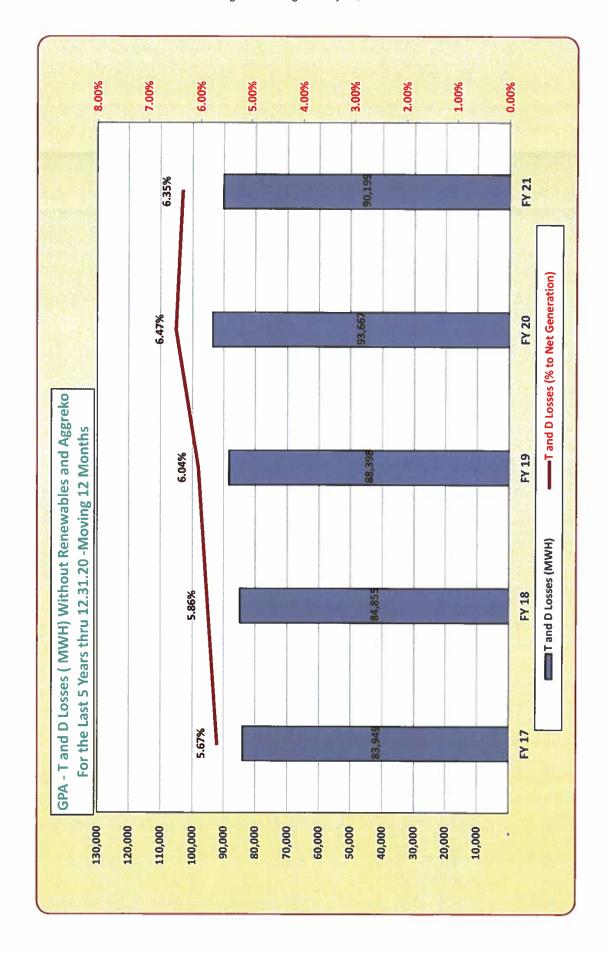
· ·				REVENUES-AC	TUAL VS PROJECTIONS			
1		MONTHLY - DEC	EMBER 2020			YTO THRU	12/31/20	
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH Residential	20 045 084	47 407 600	7.004.000	40.000	400.070.440			
Small General-Non-Demand	39,845,961 6,631,276	47,107,600 5,645,321	7,261,638 (985,955)	18.22% -14.87%	120,272,118 19,658,810	142,049,250 16,857,588	21,777,131 (2,801,222)	18.11% =14.25%
Small General-Demand	14,885,774	15,604,863	719,089	4.83%	44,498,728	46,535,761	2,037,035	4.58%
Large	24,887,816	19,116,309	(5,771,508)	-23,19%	74,115,187	56,428,588	(17,686,600)	-23 86%
Independent Power Producers	27,496	35,155	7,658	27.85%	91,566	143,172	51,608	56.36%
Private St. Lites	32,232	31,775	(457)	-1.42%	97,384	99,207	1,823	1.87%
Sub-total Government	86,310,555	87,541,022	1,230,486	1.43%	258,733,791	262,113,565	3,379,774	1.31%
Small_Non Demand	1,175,892	796,758	(379,133)	-32.24%	3,423,180	2,408,980	(1,014,200)	-29.63%
Small-Demand	7,823,950	8,233,899	409,949	5.24%	23,113,877	23,853,094	739,417	3.20%
Large	5,884,705	4,769,294	(1,115,411)	-18.95%	17,798,242	14,777,342	(3,020,901)	-16.97%
Public St. Lites	777,485	634,577	(142,908)	-18.38%	2,087,608	1,826,904	(260,704)	-12 49%
Sub-total Total-Civilian	15,662,031 101,972,587	14,434,528 101,975,550	(1,227,503) 2,963	-7.84% 0.00%	48,422,707	42,866,320	(3,556,387)	-7.66%
USN	25,590,668	26,077,078	486,409	1.90%	305,156,498 75,261,981	304,979,884 79,027,667	(176,614) 3,765,686	-0.06% 5.00%
Grand Total	127,563,255	128,052,627	489,372	0.38%	380,418,479	384,007,551	3,589,072	0.94%
Non-Qil Yield					•	-		
Residential	0.096307	0.095713	(0.000595)	-0.62%	0.096307	0.095492	(0.000816)	-0.85%
Small General-Non-Demand	0.138862	0.143252	0.004400	3.17%	0.138862	0.143514	0.004652	3.35%
Small General Demand	0.120116	0.117839	(0.002277)	-1.90%	0.120116	0 117205	(0.002912)	-2.42%
Large Independent Power Producers	0.103865 0.624112	0.108940 0.112184	0.005075 (0.511928)	4.89% 0.00%	0.103865 0.624112	0.106787 0.070394	0.002922	2.81%
Private St. Lites	0.128477	0.840084	0.511607	398.21%	0.024112	0.628808	(0.553717) 0.500331	0.00% 389.43%
Sub-total	0.106043	0.105816	(0.000227)	-0.21%	0.105999	0.105055	(0.000944)	-0.89%
Government			- ,				(2.00004)	-0.00/4
Small_Non Demand	0.152623	0 162905	0.010282	6.74%	0.152623	0.162273	0.009650	6.32%
Small-Demand	0.133106	0.132222	(0.000884)	-0.68%	0.133106	0.133794	0.000688	0.52%
Large Public St. Lites	0.124944 0.474388	0,123502 0,543788	(0.001442) 0.069401	-1.15% 14.63%	0.124944 0.474388	0,125443 0,564451	0.000499	0.40%
Sub-total	0.148446	0.149128	0.000682	0.46%	0.146763	0.364451	0.090063 0.004106	18.99% 2.80%
Total-Civillan	0.112555	0.111947	(0.000609)	-0.54%	0.086800	0.111494	0.024694	28.45%
USN	0.063624	0.070483	0.006860	10.78%	0.083624	0.065452	0.001829	2.87%
Grand Total	0.102739	0.103503	0.000764	0.74%	0.102590	0.102019	(0.000571)	-0.56%
Non-Oil Revenues								
Residential	3,837,464	4,508,794	671,330	17.49%	11,583,103	13,564,541	1,981,438	17.11%
Small General-Non-Demand Small General-Demand	920,830	808,759	(112,070)	-12.17%	2,729,854	2,419,295	(310,559)	-11.38%
Large	1,788,026 2,584,976	1,838,967 2,082,524	50,841 (502,452)	2.84% -19.44%	5,345,027 7,697,984	5,454,204	109,177	2.04%
Independent Power Producers	17,161	3,944	(13,217)	-77.02%	57,147	6,025,852 10,078	(1,672,132) (47,069)	-21 72% -82 36%
Private St. Lites	4,141	20,339	16,198	391_15%	12.512	62,382	49,871	398.60%
Sub-total	9,152,597	9,263,227	110,629	1.21%	27,425,628	27,536,353	110,725	0.40%
Government								
Small_Non Demand Small-Demand	179,468 1,041,416	129,796 1,088,702	(49,672) 47,286	-27.68%	522,454	390,912	(131,542)	-25.18%
Large	735,257	589,018	(146,239)	4.54% -19,89%	3,076,572 2,223,779	3,191,394 1,853,717	114,822 (370,062)	3.73% +16.64%
Public St. Lites	368,829	345,076	(23,754)	-6.44%	990,336	1,031,197	40,861	4,13%
Sub-total	2,324,970	2,152,591	(172,379)	-7.41%	6,813,142	6,467,220	(345,921)	-5.08%
Total-Civillan	11,477,567	11,415,817	(61,750)	-0.54%	34,238,769	34,003,573	(235,196)	-0.69%
USN Grand Total	1,628,171	1,837,999	209,828	12.89%	4,788,441	5,172,530	384,089	8.02%
Grand Total % of Total Revenues	13,105,738 54.20%	13,253,817 53.68%	148,078	1.13%	39,027,210 54.17%	39,176,103 54.03%	148,893	0.38%
Oil Revenues								
Residential Small General-Non-Demand	3,458,629 575,595	3,942,482 472,463	483,853	13.99%	10,439,620	11,888,244	1,448,624	13.88%
Small General-Demand	1.292.085	1,305,371	(103,132) 13,285	-17.92% 1.03%	1,706,385 3,862,489	1,410,828 3,894,257	(295,556)	-17.32%
Large	2,160,262	1,590,906	(569,356)	-26.36%	6,433,198	4,717,052	31,768 (1,716,148)	0.82% -26.68%
Independent Power Producers	2,387	2,839	452	18.95%	7,948	11.890	3 942	49.60%
Private St. Lites	2,798	2,659	(138)	-4.95%	8,453	8,303	(150)	-1.78%
Sub-total Covernment	7,491,756	7,316,719	(175,037)	-2.34%	22,458,093	21,930,574	(527,519)	-2.35%
Government Small Non Demand	102.067	66,681	(35,386)	-34.67%	297.132	201,610	(05 500)	22 450
Small-Demand	679,119	689,103	9,984	1,47%	2.006,267	1.996.289	(95,522) (9,978)	-32 15% -0.50%
Large	510,792	393,714	(117,079)	-22.92%	1,544,887	1,232,443	(312,445)	-20.22%
Public St. Lites	67,486	53,108	(14,377)	-21.30%	181,204	152,895	(28,309)	-15.62%
Sub-total	1,359,464	1,202,607	(156,858)	-11.54%	4,029,491	3,583,238	(446,253)	-11.07%
Total-Civilian USN	8,851,221 2,221,270	8,519,326 2,915,333	(331,894) 694,063	-3.75% 31.25%	26,487,584 6,532,740	25,513,812 7,815,398	(973,772)	-3.68%
Grand Total	11,072,491	11,434,659	362,169	3.27%	33,020,324	33,329,210	1,282,658 308,886	19.63% 0.94%
% of Total Revenues	45 80%	46 32%			45.83%	45,97%		
Grand Total					_			
Residential	7,296,093	8,451,276	1,155,183	15.83%	22,022,723	25,452,785	3,430,061	15.58%
Small General-Non-Demand Small General-Demand	1,496,425 3,080,111	1,281,222 3,144,237	(215,203) 64,126	-14.38% 2.08%	4,435,239 9,207,517	3,830,123 9,348,461	(606,116)	-13.66%
Large	4,745,239	3,673,430	(1,071,809)	-22.59%	14,131,182	10,742,905	140,944 (3,388,277)	1.53% -23.98%
Independent Power Producers	19,547	6,783	(12,765)	-65.30%	65,095	21,969	(43,127)	-66.25%
Private St. Lites	6,939	22,998	16,059	231.44%	20,965	70,685	49,720	237,16%
Sub-total	16,644,354	16,579,948	(64,407)	-0.39%	49,883,721	49,466,927	(416,794)	-0.84%
Government Small Non Domand	004 505	400 477				,		
Small_Non Demand Small-Demand	281,535 1,720,535	196,477 1,777,805	(85,058) 57,270	-30.21%	819,586 5,082,840	592,522	(227,064)	-27.70%
Large	1,720,535	982,731	57,270 (263,318)	3 33% -21 13%	5,082,840 3,788,687	5,187,684 3,086,160	104,844	2.06%
Public St. Lites	436,315	398,184	(38,131)	-8.74%	1,171,540	1,184,092	(682,507) 12,552	-18.11% 1.07%
Sub-total	3,684,434	3,355,197	(329,237)	-8.94%	10,842,633	10,050,458	{792,175}	-7.31%
Total-Civilian	20,328,788	19,935,143	(393,644)	-1.94%	60,726,353	59,517,385	(1,208,968)	-1.99%
USN Conned Total	3,849,441	4,753,332	903,891	23.48%	11,321,181	12,987,928	1,666,747	14.72%
Grand Total	24,178,229	24,688,476	510,247	2.11%	72,047,534	72,505,313	457,778	0.64%

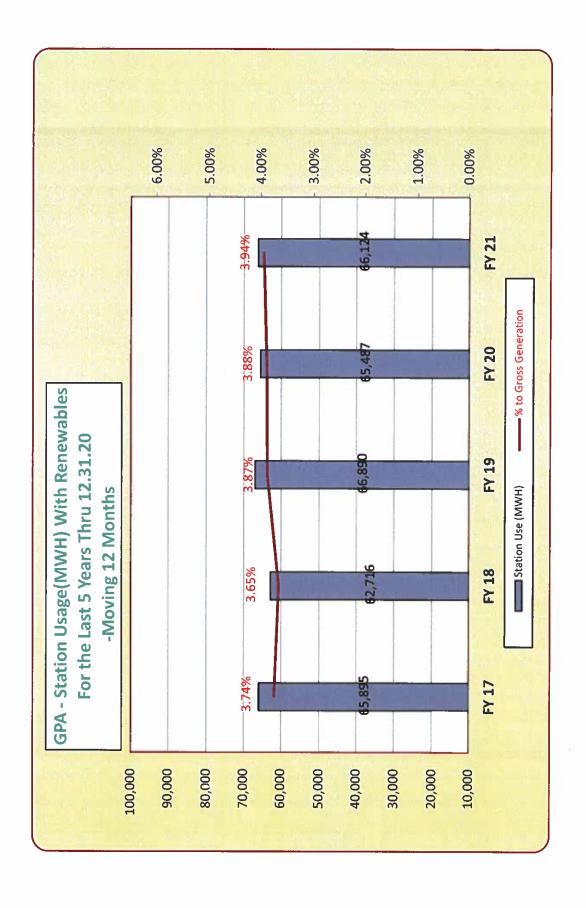
MTD REVENUES - CURRENT YEAR VS PRIOR YEAR

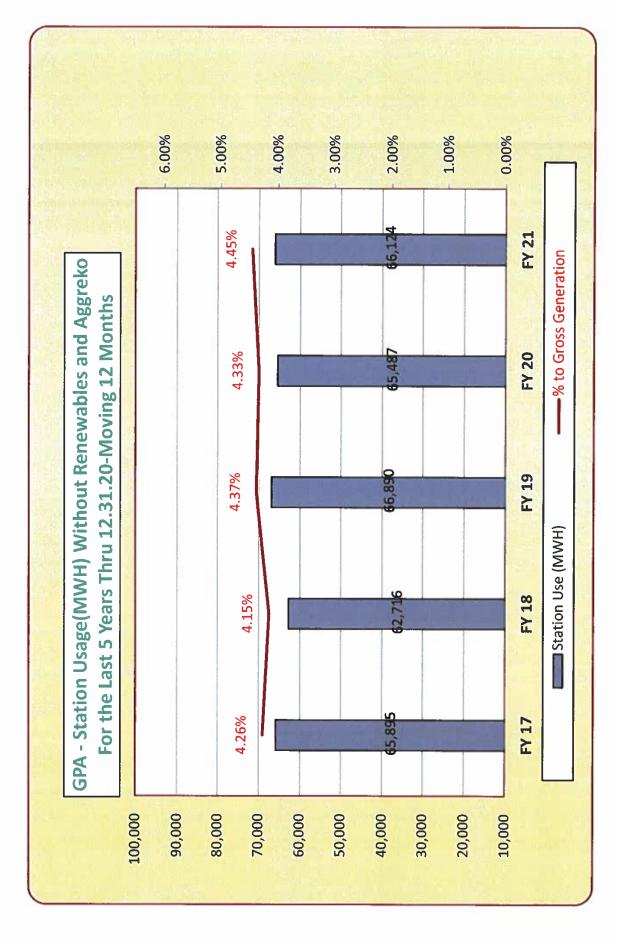
	TIDICE		TEAR VS PRIOR TE		_	WID KEY	LITUES - CURREN	TEAR VS PRIOR TO	SAR.
	ACTU	ALS - 3 MONTHS FR	NDED DECEMBER 31			ACTI	IALS - MONTH EN	DED DECEMBER 31	
	1010				_	ACIO	rm-9 - myntri CNI	JEVENDER 31	

KWH	2020	2019	VARIANCE	% VARIANCE		2020	2019	VARIANCE	% VARIANCE
Residential	142,049,250	124,979,220	17,070,030	13.66%		47,107,600	41,139,080	5.968.520	14.51%
Small General-Non-Demand	16,857,588	16,111,373	748.215	4.63%		5,645,321	5,151,158	494,163	9.59%
Small General-Demand	48,535,761	48,748,270	(2,212,509)	-4.54%		15,604,863	16,007,245	(402,382)	-2.51%
Large	56,428,588	75,407,283	(18,978,695)	-25.17%		19,116,309	25,153,208	(6,036,899)	-24.00%
Independent Power Producers	143,172	97,342	45,829	47.08%		35,155	34,266	889	2.59%
Private St. Lites Sub-total	99,207	99,353	(146)	-0.15%		31,775	31,725	50	0.16%
Government	262,113,565	265,442,842	(3,329,277)	-1.25%		87,541,022	87,516,681	24,341	0.03%
Small Non Demand	2,408,980	2,250,625	158,355	7.04%		796,758	732,098	64,660	8.83%
Small-Demand	23,853,094	25,828,484	(1,975,390)	-7.85%		8,233,899	8,610,483	(376,584)	-4.37%
Large	14,777,342	18,422,481	(3,645,139)	-19.79%		4,789,294	5,917,603	(1,148,310)	-19.40%
Public St. Lites	1,826,904	1,788,025	38,879	2,17%		634,577	270,787	363,790	134.35%
Sub-total	42,866,320	48,289,616	(5,423,296)	-11.23%		14,434,528	15,530,972	(1,096,444)	-7.06%
Total-Civilian USN	304,979,884 79,027,667	313,732,458	(8,752,573) 2,428,541	-2.79%		101,975,550	103,047,653	(1,072,103)	-1.04%
Grand Total	384,007,551	76,599,126 390,331,584	{6,324,032}	3.17% -1.62%	-	26,077,078 128,052,627	25,910,039 128,957,692	167,039 (905,065)	0.64% -0.70%
0.4	00-1,007 1001	000,001,004	(0,024,002)	-1104.74		120,002,021	120,551,652	(903,003)	-0.7076
Non-Oil Yield									
Res idential	0.095492	0.098354	-0.000862	-0.90%		0.095713	0.096948	-0.001235	-1.27%
Small General-Non-Demand	0.143514	0.142949	0.000564	0.39%		0.143262	0.145621	-0.002360	-1.62%
Small General-Demand	0.117205	0.121448	-0.004244	-3.49%		0.117639	0.123932	-0.006093	-4.92%
Large Independent Power Producers	0.106787	0.103620 0.121668	0.003167 -0.051273	3.06% -42.14%		0.108940 0.112184	0.102377	0.006563	6.41%
Private St. Lites	0.628808	0.621604	0.007204	1,16%		0.640084	0.138986 0.644531	-0.026802 -0.004447	-19.28% -0.69%
Sub-total	0.105065	0.106061	-0.001006	-0.95%		0.105816	0.106524	-0.004447	-0.69% -0.66%
Government		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					U. 100357	-0.000100	+0.007s
Small_Non Demand	0.162273	0.163406	-0.001133	-0.69%		0.162905	0.183421	-0.000516	-0.32%
Small-Demand	0.133794	0.133147	0.000646	0.49%		0.132222	0.131842	0.000579	0.44%
Large	0.125443	0.124803	0.000640	0.51%		0.123502	0.125201	-0.001699	-1.36%
Public St. Lites	0.564451	0 575498	-0.011047	-1.92%		0.543788	1.108787	-0.564999	-50,98%
Sub-total Total-Civillan	0.150870	0.147753	0.003116	2.11%		0.149128	0.147723	0.001405	0.95%
USN	0.111494 0.065452	0.112478 0.061691	-0.000984 0.003781	-0.87% 6.10%		0.111947	0.112733	-0.000786	-0.70%
Grand Total	0.102019	0.102512	-0.000492	-0.48%		0.070483 0.103503	0.061707 0.102481	0.008776 0.001022	14.22% 1.00%
						4.100000	0.102401	0.001022	1.00 /4
Non-Oil Revenues									
Residential	13,564,541	12,042,274	1,522,267	12.64%		4,508,794	3,988,348	520,448	13,05%
Small General-Non-Demand	2,419,295	2,303,110	116,185	5.04%		608,759	750,119	58,640	7.82%
Small General-Demand	5,454,204	5,920,385	(466,181)	-7.87%		1,838,867	1,983,814	(144,947)	-7,31%
Large Independent Power Producers	6,025,852 10,078	7,813,706	(1,787,853)	-22.88%		2,082,524	2,575,109	(492,585)	-19.13%
Private St. Lites	62,382	11,843 61,758	(1,765) 624	-14.90% 1.01%		3,944 20,339	4,762 20,448	(819)	-17,19%
Sub-total	27,536,353	28,153,077	(616,724)	-2.19%		9,263,227	9,322,599	(109) (59,372)	-0.53% -0.64%
Government	21/222/200	30,100,011	(010,124)	2.1074		O LOUIZZI	0,322,330	(33,372)	-0.0476
Small_Non Demand	390,912	387,785	23,147	6.29%		129.796	119,840	10,156	8.49%
Small-Demand	3,191,394	3,438,991	(247,597)	-7.20%		1,088,702	1,133,505	(44,803)	-3.95%
Large	1,853,717	2,299,184	(445,487)	-19.38%		589,018	740,892	(151,874)	-20.50%
Public St. Lites	1,031,197	1,029,005	2,192	0 21%		345,076	300,245	44,830	14.93%
Sub-total	6,467,220	7,134,945	(667,724)	-9.38%		2,152,591	2,294,282	(141,692)	-6.18%
Total-Civilian USN	34,003,573 5,172,530	35,288,022 4,725,481	(1,284,449) 447,049	-3.64% 9.46%		11,415,817 1,837,999	11,616,881	(201,064)	-1.73%
Grand Total	39,176,103	40,013,503	(837,400)	-2.09%		13,253,817	1,598,842	239,157 38,093	14.96% 0.29%
% of Total Revenues			(00.1).007			10,200,011	10,210,120	30,033	0.2374
Oil Revenues									
Residential	11,888,244	19,277,045	(7,388,801)	-38.33%		3,942,482	6,345,374	(2,402,892)	-37.87%
Small General-Non-Demand	1,410,828	2,485,050	(1,074,222)	-43.23%		472,463	794,525	(322,062)	-40.54%
Small General-Demand	3,894,257	7,515,636	(3,621,379)	-48.18%		1,305,371	2,467,851	(1,162,480)	-47_10%
Large Independent Power Producers	4,717,052 11,890	11,576,525 14,498	(6,859,473) (2,608)	-59.25% -17.99%		1,590,906	3,851,023	(2,270,117)	-58.80%
Private St Lites	8,303	15,324	(7,022)	-45.82%		2,839 2,659	5,102 4,893	(2,263)	-44.36% -45.66%
Sub-total	21,930,574	40,884,079	(18,953,504)	-46.36%		7,316,719	13,478,768	(2,234) (6,162,048)	-45.72%
Government						,	,,	7-1 min)	7917 = 79
Smal_Non Demand	201,610	347,141	(145,531)	-41.92%		66,681	112,920	(46,239)	-40.95%
Small-Demand	1,996,289	3,983,837	(1,987,548)	-49.89%		689,103	1,328,098	(638,995)	-48.11%
Large	1,232,443	2,806,847	(1,574,404)	-56.09%		393,714	901,392	(507,679)	-56.32%
Public St. Lites Sub-total	152,895	275,789	(122,893)	-44.56%		53,108	41,767	11,342	27,15%
Total-Civilian	3,583,238 25,513,812	7,413,613 48,297,692	(3,830,376) (22,783,880)	-51.67% -47.17%		1,202,607 8,519,326	2,384,177 15,862,945	(1,181,571)	-49.56% -46.29%
USN	7,815,398	10,652,801	(2.837,403)	-26.64%		2,915,333	3,834,187	(7,343,619) (918,855)	-23.96%
Grand Total	33,329,210	58,950,493	(25,621,283)	-43.46%		11,434,659	19,697,133	(8,262,473)	-41.95%
% of Total Revenues									
Grand Total									
Residential	25,452,785	31,319,319	(5,866,534)	-18.73%		8,451,276	40 222 720	24 000 4445	40.000
Small General-Non-Demand	3,830,123	4,788,160	(958,037)	-20.01%		1,281,222	10,333,720	(1,882,444) (263,422)	-18.22% -17.05%
Small General-Demand	9,348,461	13,436,022	(4.087,560)	-30.42%		3,144,237	4,451,865	(1,307,428)	-29.37%
Large	10,742,905	19,390,231	(8,647,326)	-44.60%		3,673,430	6,436,132	(2,762,702)	-42.92%
Independent Power Producers	21,969	26,341	(4,373)	-16.60%		6,783	9,864	(3,082)	-31.24%
Private St. Lites	70,685	77,083	(6.398)	-8.30%		22 998	25,341	(2,343)	-9.25%
Sub-total	49,486,927	69,037,156	(19,570,229)	-28.35%		16,579,946	22,801,366	(6,221,420)	-27.29%
Government	500 F00	****	,						
Small_Non Demand Small-Demand	592,522	714,906	(122,384)	-17.12%		196,477	232,560	(36,083)	- 15.52%
Large	5,187,684 3,086,160	7,422,829 5,106,030	(2,235,145) (2,019,870)	-30.11% -39.56%		1,777,805 982,731	2,461,603	(683,798)	-27.78%
Public St. Lites	1,184,092	1,304,793	(120,701)	-9.25%		398,184	1,642,284 342,012	(659,553) 56,172	-40.16% 18.42%
Sub-total	10,050,458	14,548,558	(4,498,100)	-30.92%		3,355,197	4,678,460	(1,323,262)	-28.28%
Total-Civilian	59,517,385	83,585,714	(24,068,329)	-28.79%		19,935,143	27,479,826	(7,544,683)	-27.46%
USN	12,987,928	15,378,282	(2,390,354)	-15.54%		4,753,332	5,433,030	(679,697)	-12.51%
Grand Total	72,505,313	98,963,996	(26,458,683)	-26.74%		24,688,476	32,912,856	(8,224,380)	-24.99%



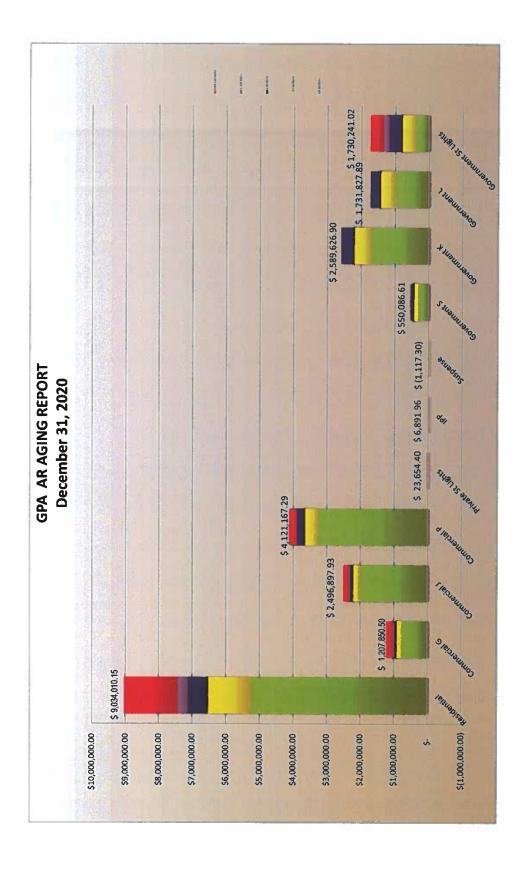






ACCOUNTS RECEIVABLE BY RATE - ACTIVE
AR AGING REPORT
AS OF December 31, 2020

GL ACCOUNT	RATE	TOTAL DUE	0-30 DAYS	31-60 DAYS	61-90 DAYS	91-120 DAYS	OVER 120 DAYS
1000.142000.10	Residential	\$ 8,307,474.08	5,202,536	1,267,042	550,432	288,727	998,737
1000,142000,11	Residential	\$ 726,536.07	58,471.40	511.65	43,009.92	13,638.14	610,904.96
1000,142000.12	Commercial G	\$ 1,207,850.50	758,894.28	151,948.20	71,782.89	40,524.51	184,700.62
1000.142000.13	Commercial J	\$ 2,496,897.93	2,004,684.18	205,652.25	92,201.57	32,392.88	161,967.05
1000.142000.14	Commercial P	\$ 4,121,167.29	3,255,155.91	398,846.75	243,548.65	•	223,615.98
1000.142000.15	Private St Lights	\$ 23,654.40	13,034.25	2,306.68	1,002.61	511.17	6,799.69
1000.142000.16	ddi	\$ 6,891.96	1,174.50	5,717.46	•	•	•
1000.142000.98	Suspense	\$ (1,117.04)	(1,117.04)	•	•	•	•
	TOTAL PRIVATE	\$ 16,889,355.19 \$		11,292,833.44 \$ 2,032,024.63 \$ 1,001,977.68		\$ 375,794.13	\$ 2,186,725.31
1000.142000.19	Government S	\$ 550,086.61 \$	296,880.12	129,095.87	\$ 102,038.50	\$ 8,801.56	\$ 13,270.56
1000.142000.20	Government K	\$ 2,589,626.90 \$	1,697,688.12	498,270.44	\$ 370,887.95	' \$	\$ 22,780.39
1000,142000,21	Government L	\$ 1,731,827.89 \$	994,467.47	424,160.83	\$ 300,710.88	, s	\$ 12,488.71
1000.142000.22	Government St Lights	\$ 1,730,241.02 \$	400,156.87 \$	385,842.21	\$ 392,397.24	\$ 152,615.08	\$ 399,229.62
	TOTAL GOVERNMENT	\$ 6,601,782.42 \$	3,389,192.58	1,437,369.35 \$	1,166,034.57	\$ 161,416.64	\$ 447,769.28
	GRAND TOTAL	\$ 23,491,137.61 \$		14,682,026.02 \$ 3,469,393.98 \$ 2,168,012,25		\$ 537.210.77	\$ 2.634,494.59
							11
	Total Residential	\$ 9,034,010.15 \$		5,261,007.36 \$ 1,267,553.29 \$	593,441.96	\$ 302,365.57	302,365.57 \$ 1,609,641.97



1

Conversion of Piti 8&9 to ULSD Consent Decree Compliance Requirement

January 26, 2021





CONSENT DECREE KEY PROJECTS:

New 198 MW Ukudu Power Plant

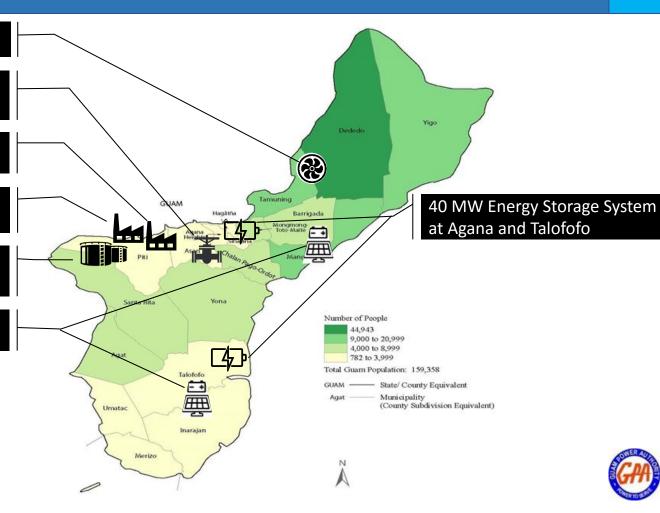
New Cabras-Piti Complex ULSD Pipeline System

Piti 8 & 9 Conversion

Cabras 1 & 2 Changes in Operation and Decommissioning

Storage Tanks 1934 and 1935 Refurbishment

100 MW of Solar Power Projects







Piti 8 & 9 Conversion Summary:

3

Approved by all parties in order to comply with regulations promulgated since 2012

Negotiated CD filed in Federal District Court in February 2020; avoided hundreds of millions in penalties

Requires conversion of Piti 8 & 9 and burning of ULSD by December 31, 2021

Storage Tanks

Rehabilitation delayed by COVID-19 thereby delaying conversion of Piti 8 & 9 to August 31, 2022

Conversion achieves compliance with new USEPA Regulation effective April 2023

Resolution 2021-01

Allows GM to contract for the conversion

The following slides address questions from the Jan 21st work session





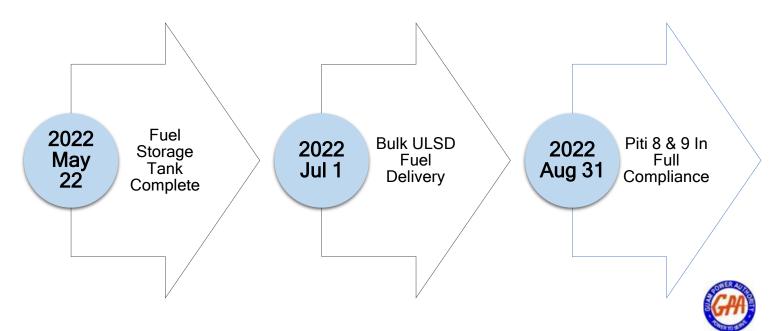
Conversion Contract and Compliance Timeline:

4

Project MEC – prime contractor **Contractor:** BWSC – subcontractor

Contract Price: \$14,141,045.28

Completion Time: 14.5 months





Comparison of Compliance Alternatives:

<u>Scenario</u>	<u>Direct Fuel Cost</u>	<u>Investment</u>	Alternative Cost	<u>Variance</u>
Compliance with Consent Decree	\$737,136,938	\$14,141,045	\$751,277,983	
Retire Piti 8 & 9, Burn Marpol 0.5%S*	\$802,342,663	\$0	\$802,342,663	\$51,064,679

^{*}Retire Piti 8 & 9: Burn Marpol 0.5% S to comply with 4/2023 AAQS 1-Hour Standard; Limit Piti to 70MW & Cabras to 82MW

ASSUMPTIONS:

Annual Gross kWh = 1,727,714,342 Average RFO Fuel Cost = \$65/BBL. ULSD = \$85/BBL. Marpol 0.5%S = \$85/BBL.

 Under Marpol alternative, power shortages very high-risk because system capacity reduced by 46MW due to limitations





Issues for Decision

Resolution No. 2021-01

RELATIVE TO AUTHORIZING THE GUAM POWER AUTHORITY TO CONVERT THE PITI #8 AND #9 SLOW-SPEED DIESEL UNITS TO BURN ULTRA LOW SULFUR DIESEL FUEL

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

Piti Units 8&9 are under a Consent Decree in Federal Court. The Consent Decree mandates GPA to contract for the conversion of the units to burn ultra-low sulfur diesel (ULSD) to comply with USEPA National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP).

The project to be implemented by MEC and BWSC provides a technical solution to eliminate the Sulphur oxide emissions and comply with the Consent Decree and new USEPA NAAQS rules. The Piti 8&9 units are critical for system reliability until the new power plant is commissioned.

Where?

Piti #8 and #9 Slow Speed Diesel Units

How much will it Cost:

MEC submitted a proposal of \$14,141,045.28 for the conversion

What is its funding Source?

Cabras 3&4 Insurance Proceeds

When will it be completed?

MEC proposes the full conversion to be completed within 15 months after contract signing.



CONSOLIDATED COMMISSION ON UTILITIES

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

GPA RESOLUTION NO. 2021-01

RELATIVE TO AUTHORIZING THE GUAM POWER AUTHORITY TO CONVERT THE PITI #8 AND #9 SLOW-SPEED DIESEL UNITS TO BURN ULTRA-LOW SULFUR DIESEL FUEL

WHEREAS, Piti #8 and #9 Slow Speed Diesel Units provide up to 88-MW Capacity of the island-wide power system and are crucial in ensuring that GPA is able to provide the required energy for the island between now and the commissioning of the new 198-MW Ukudu Power Plant; and

WHEREAS, ownership of the Piti 8 & 9 units transferred from Marianas Energy Company (MEC) to Guam Power Authority (GPA) on January 29, 2019 and GPA extended the Energy Conversion Agreement with MEC until January 29, 2024 upon receiving CCU and PUC approvals, in order to ensure the units' availability and reliability; and

WHEREAS, the units are subject to the Consent Decree; approved by the CCU and PUC and filed in Federal Court on February 6, 2020 by the Department of Justice (DOJ) on behalf of the U.S. Environmental Protection Agency (USEPA); which outlines the settlement between GPA and USEPA to comply with National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP); and

WHEREAS, the Consent Decree stipulated that GPA contract for the conversion of the units to burn ultra-low sulfur diesel (ULSD) by July 1, 2020 and for full conversion to ULSD-firing by December 31, 2021; and

WHEREAS, GPA resolution No. 2020-14, the CCU authorized GPA to plan for the retirement of Piti 8 & 9 and to request USEPA to modify the consent decree to retire Piti 8 & 9 in lieu of conversion to ULSD; and

WHEREAS, as a result of the delay of the commissioning date of the new Ukudu power plant due to COVID-19 and permitting issues, and USEPA's new National Ambient Air Quality Standards (NAAQS) effective April 2023, GPA determined that in order to comply with the April 2023 NAAQS, the Piti 8 & 9 plant capacity burning low sulfur residual fuel oil would need to be limited by as much as 20% which would have a significant impact on system reliability; and

1	WHEREAS, this reduction in system capacity would negatively impact system reliability				
2	beginning in April 2023 and continuing on until the Ukudu power plant is commissioned; and				
3	WHEREAS, to ensure system reliability between now and the commissioning of the new				
4	Ukudu power plant, GPA will proceed with converting Piti 8 & 9 to ULSD thereby achieving				
5	compliance with the both the RICE NESHAP and April 2023 NAAQS without impacting system				
6	reliability; and				
7	WHEREAS, GPA, USEPA and DOJ are in amicable discussions for the modification of the				
8	consent decree due to delays resulting from COVID-19 and permitting issues; and				
9	WHEREAS, GPA recently updated the consent decree timelines to USEPA and DOJ, for				
10	their consideration, for the conversion of Piti 8 & 9 to ULSD, to contract with MEC by March 31				
11	2021 and complete the conversion by August 31, 2022; and				
12	WHEREAS, the project to be implemented by MEC and BWSC provides a technical				
13	solution and a concept that will fulfill the requirements to comply with USEPA rules in relation				
14	to SOx and CO emissions including meeting the April 2023 NAAQS; and				
15	WHEREAS, MEC submitted an updated proposal for the conversion of the units, with an				
16	estimated cost of \$14,141,045.28 as shown in Appendix A, excluding the fuel supply system				
17	which is separately funded and handled by GPA; and				
18	WHEREAS, MEC proposed to complete the conversion of Piti 8 & 9 to ULSD within 15				
19	months after contract signing,				
20	NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON				
21	UTILITIES (CCU), subject to the review and approval of the PUBLIC UTILITIES COMMISSION				
22	(PUC), as follows:				
23	1. GPA is authorized to contract with MEC for the conversion of the Piti 8 & 9 Slow				
24	Speed Diesel Units to burn Ultra Low Sulfur Diesel fuel at a cost of \$14,141,045.28				
25	with a project completion date of 15 months after contract signing.				
26	2. GPA shall fund the conversion with Cabras 3 & 4 insurance proceeds.				
27					
28					
29					
30					

1	RESOLVED, that the Chairman certified, and the Board Secretary attests the adoption o						
2	this Resolution.						
3							
4	DULY AND REGULARLY ADOPTED AND APPROVED THIS 26 TH DAY OF JANUARY, 2021.						
5	Certified by:	Attested by:					
6							
7							
8 9							
10	JOSEPH T. DUENAS	MICHAEL T. LIMTIACO					
11	Chairperson	Secretary					
12	Consolidated Commission on Utilities	Consolidated Commission on Utilities					
13							
14 15	I Michael T Limtiaco Socretary	for the Consolidated Commission on Utilities (CCU), as					
13							
16	evidenced by my signature above do certify as follows:						
17	The foregoing is a full, true, and accurate copy of the resolution duly adopted at a						
18	regular meeting of the members of Guam Consolidated Commission on Utilities, duly and						
19	legally held at a place properly noticed and advertised at which meeting a quorum was present						
20	and the members who were present voted as follows:						
21							
22	Ayes:						
23	,	_					
24	Nays:						
25							
26	Absent:	_					
27	Abstain:						
28	AD3(a)11.	_					

ULSD Conversion MEC 8 & 9

1	BWSC Proposal	\$ 12,150,600.00
	Foreign Labor	\$486,016.00
2	30% wh on foreign labor	\$ 145,804.80
	Local Labor	\$2,000,000.00
3	5% grt on local labor	\$ 100,000.00
	SUBTOTAL	\$ 12,396,404.80
4	10% MEC EPC Fee	\$ 1,239,640.48
	TOTAL COST	\$ 13,636,045.28

Additional MEC Projects

Boiler Effluent Tanks cleaning	\$	30,000.00		
Fuel pipeline flushing	\$	25,000.00		
Tank Cleaning Projects				
HS HFO Storage Tank	\$	120,000.00		
LS HFO Storage Tank	\$	120,000.00		
HS HFO Service Tank	\$	80,000.00		
LS HFO Service Tank	\$	80,000.00		
HFO Buffer Tank	\$	50,000.00		
TOTAL ADDITIONAL MEC PROJECTS	\$	505,000.00		

GRAND TOTAL MEC CONVERSION \$ 14,141,045.28

1 Schedule: 14 1/2 months from NTP

2 Outage: 12 days per unit

 ${\bf 3}\,$ Testing and commissioning: 10 days per unit

4 Oxidation catalyst warranty 24,000 running hours

8,000 annual running hours per unit

5 MEC Capacity 85.56 MW after conversion

6 Proposal Valid until February 16, 2021



Issues for Decision

Resolution No. 2021-02:

RELATIVE TO AUTHORIZATION OF UKUDU POWER PLANT ENERGY CONVERSION AGREEMENT (ECA) AMENDMENT FOR RELOCATION OF EMERGENCY DIESEL UNITS AND PURSUIT OF MINOR SOURCE AIR PERMIT

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

Guam Power Authority (GPA) and Guam Ukudu Power (GUP) LLC signed the Energy Conversion Agreement (ECA) for the construction, operation and transfer of a 198 MW power plant to be sited on GPA owned property in Ukudu, Dededo. Guam Ukudu Power (GUP) LLC is a local company formed by the KEPCO-EWP consortium ("KEPCO-EWP").

The relocation of the emergency diesel units will allow the Ukudu Power Plant to be permitted as a minor source air permit plant which will significantly reduce the permit process and overall construction and commissioning schedule of the new plant. This would minimize delays on the retirement of the Cabras 1&2 Power Plant as per the consent decree. The consideration for the relocation of these diesel units includes a separate O&M cost that would also provide GPA access and use of these units to support the Island-Wide Power System (IWPS) outside of any Ukudu Power Plant outages. Its efficiency and operating costs along with the Yigo Diesel Units (formerly Aggreko units) would allow for the retirement of older and costlier Power Plants.

Where is the location?

The site for the relocated diesel units is adjacent to the GPA bulk storage tanks in Piti.

How much will it cost?

GPA has negotiated for a 41MW diesel plant with improved engines for continuous operations with a fixed O&M cost of \$2,000,000 annually and a variable O&M cost of \$0.025/kWh net production when dispatched by GPA.

When will it be completed?

Guam Ukudu Power LLC has provided a schedule for minor source air permit path with the new COD of the Ukudu plant to be no later than April 2024 with best efforts to achieve a target COD of November 2023.

What is its funding source?

Revenue Funds



under minor source; and

30

1

CONSOLIDATED COMMISSION ON UTILITIES

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

2 **RESOLUTION NO. 2021-02** 3 RELATIVE TO AUTHORIZATION OF UKUDU POWER PLANT ENERGY CONVERSION 4 5 AGREEMENT (ECA) AMENDMENT FOR RELOCATION OF EMERGENCY DIESEL UNITS AND **PURSUIT OF MINOR SOURCE AIR PERMIT** 6 7 8 WHEREAS, Guam Power Authority (GPA) and Guam Ukudu Power (GUP) LLC signed the Energy 9 Conversion Agreement (ECA) for the construction, operation and transfer of a 198 MW power plant to be sited on GPA owned property in Ukudu, Dededo; and 10 11 WHEREAS, GUP LLC is a local company formed by the KEPCO-EWP consortium ("KEPCO-EWP"); and 12 WHEREAS, the anticipated Commercial Operation Date (COD) of the Ukudu Power Plant was 13 14 October 2022; and 15 WHEREAS, GPA expected that the new plant would be permitted under a minor source air permit application process, although not specifically noted in the RFP, which would provide the 16 17 shortest timeframe to commission a new power plant; and 18 WHEREAS, to comply with bid reserve requirements, GUP LLC added 65 MW of standby generators with a maximum 500 hours of operations to the site; and 19 20 WHEREAS, it was determined that the emergency diesel units required to operate during Ukudu unit outages would significantly limit plant operations under a minor source permit during a 21 scheduled 23-day steam turbine outage which occurs every four years; and 22 23 WHEREAS, GPA and GUP LLC attempted to negotiate a minor source permit process early in 2020 but GUP LLC noted significant estimated cost overruns causing negotiations to fail and GUP LLC 24 pursued a major source air permit path; and 25 26 WHEREAS, USEPA expressed significant concerns on GUP LLC'S major source air permit path 27 because of significant delays which would occur because of lengthy air monitoring requirements before a major source permit could be issued which would move COD past 2025; and 28 WHEREAS, USEPA encouraged GPA to work out an alternative which would permit the plant 29

31	WHEREAS, in August 2020 GPA and GUP LLC again initiated discussions for a minor source
32	path and reached an agreement, Attachment A, which included the following:
33 34 35	 Permit the UKUDU Combined Cycle Plant as a minor source air permit. Install forty- one megawatts (41 MW) of diesel engines with continuous operation capability near the GPA Cabras Bulk Fuel Oil Storage Facility and permit the plant for
36	maximum operational hours (~5000hrs).
37 38	 Agreed on a Fixed and Variable O&M rate to compensate for the operation and maintenance of the new diesel plant fully dispatchable anytime by GPA; and
39	maintenance of the new dieser plant fully dispatchable anythine by GFA, and
40	WHEREAS, a minor source air permit path would alleviate USEPA concerns on the overall
41	permitting and construction schedule of the Ukudu Power Plant and any further delays in the
42	retirement of the Cabras 1&2 Power Plant; and
43	WHEREAS, although the diesel engines are for a reduced capacity, the diesel engines are units
44	which could be operated in excess of 500 hours to support the entire Island-Wide Power System
45	(IWPS) and its efficiency and operating costs along with the Yigo Diesel Units (formerly Aggreko units)
46	could allow for the eventual retirement of older units; and
47	WHEREAS, GPA's analysis of future generation system reliability shows that relocating the
48	GUP LLC Diesel Plant provides significant additional value to GPA significantly increasing the peak load
49	carrying capability of the GPA system, in addition to allowing retirements of older generating units
50	which would reduce costs; and
51	WHEREAS, the proposed location of the new diesel plant eliminates costly fuel trucking cost
52	and will have minimal interconnection costs because of its proximity to GPA's future ULSD bulk
53	storage fuel tanks and also GPA transmission lines; and
54	WHEREAS, GUP LLC recently replaced its Engineering, Procurement and Construction
55	contractor Hyundai due to delays and potential cost overrun issues with schedule uncertainty, and
56	contracted Doosan Industries in December 2020 on a minor source path and based on the GPA
57	August 2020 proposal; and
58	WHEREAS, over the past year, GUP LLC and its contractors and consultants have gained
59	considerable experience for construction on Guam and has completed substantial work on the air
60	permit and the Environmental Impact Assessment (EIA), which are also required for minor source
61	permitting and supports the new schedule as achievable; and
62	WHEREAS, GPA would urgently seek support from air permitting agencies to prioritize the
63	power plant work to ensure progress on the plant schedule will meet the USEPA consent decree and
64	to minimize any further delays due to the COVID pandemic; and

WHEREAS, an amendment is required of the GUP LLC/GPA ECA which increases the contract 65 66 cost above the GPA General Manager's approval authority; and 67 WHEREAS, GPA is in discussions with USEPA for a modification of the consent decree to 68 reflect the proposed new power plant minor source air permit schedule and appears to be on track towards such modification. 69 70 NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES 71 (CCU), subject to the review and approval of the PUBLIC UTILITIES COMMISSION (PUC), as follows: 72 73 1. The CCU authorizes GPA to amend the Ukudu Power Plant Energy Conversion Agreement (ECA) 74 for the relocation and operation of 41MW diesel units with a fixed O&M cost of \$2,000,000 75 annually and a variable O&M cost of \$0.025/kWh net production when dispatched by GPA. 76 77 2. The CCU authorizes GPA to amend the ECA to require Guam Ukudu Power (GUP) LLC to pursue 78 a minor source air permit with the new COD of the Ukudu plant to be no later than April 2024 79 with best efforts to achieve a target COD of November 2023. 80 RESOLVED, that the Chairman of the Commission certifies and the Board Secretary attests the 81 adoption of this Resolution. 82 83 DULY and REGULARY ADOPTED AND APPROVED THIS 26th DAY of JANUARY, 2021 84 85 86 Certified by: Attested by: **JOSEPH T. DUENAS MICHAEL LIMTIACO** Chairperson Secretary **Consolidated Commission on Utilities** Consolidated Commission on Utilities

88	I, Michael Limtiaco,	Secretary for the Consolidated Commission on Utilities (CCU), as
89	evidenced by my signature a	above do certify as follows:
90		
91		
92	The foregoing is a fu	ll, true, and correct copy of the resolution duly adopted at a regular
93	meeting of the members of	Guam Consolidated Commission on Utilities, duly and legally held at the
94	meeting place properly noti	ced and advertised at which meeting a quorum was present and the
95	members who were present	t voted as follows:
96		
97		
98		
99	Ayes:	
100		
101	Nays:	
102		
103	Absent:	
104		
105	Abstain:	
106		

RESOLUTION 2021-02 ATTACHMENT A

Conditions for DG Plant relocation and Minor Air Permit Acquisition for Ukudu Project

No.	Item	Issue
1.	Site and Pre-existing Condition	GPA shall lease the site for Reserve Facility at Cabras and provide the rights of way and easement of the site to Guam Ukudu Power LLC. The Pre-existing Condition and Pre-existing Condition Period in ECA shall cover the Cabras site, fuel line, power interconnection line and water line. Pre-existing Reserve Facility (DG Site) Condition means any artificial obstructions on, under, in, or affecting the Reserve Facility Site or any contamination (whether occurring before or after the ECA Amendment Date, but not resulting from Project Company's or Contractor's activities on the Reserve Facility Site) that could not reasonably discovered prior to the ECA Amendment Date by an experienced engineering and construction contractor using the most sophisticated devices and personnel available at the time of Reserve Facility Site investigation by such contractor but shall not, for the avoidance of doubt, include archaeological discoveries on the Reserve Facility Site.
2.	Reserve Facility, DG Spec	41MW (Gross) Continuous Operating Prime (COP) model shall be selected to maximize operating hours of diesel plant.
3.	Commercial Operation Date	Even though the COD for Facility and Reserve Facility shall be the same (FC + 29 months), however, the required construction period for Reserve Facility is EIA approval for Reserve Facility Site + 27 months. Irrespective of the Reserve Facility COD achievement, the Facility COD shall be achieved separately and the Capacity Charge shall be paid in accordance with ECA. For avoidance of doubt, payment of FOMC and VOMC for the Reserve Facility do not start until the COD for Reserve Facility is achieved.



No.	Item	Issue
		FOMC: \$2M per year VOMC: \$0.025/kWh Both FOMC and VOMC shall be escalated as per ECA for 25 years and start to be paid from Reserve Facility COD. Same condition regarding Deemed Capacity for CCPP FOMC payment in ECA shall be applied to Reserve Facility as well.
4.	FOMC and VOMC for DG plant	Above charges are based on the following conditions: The design assumption complies with GPA's requirement in the GPA proposal dated August 20, 2020 The finalized design assumption shall be attached later in this document Transmission, Fuel line and Communication line terminal points are at the Reserve Facility Site boundary. For avoidance of doubt, communication line for SCADA and PABX between the Reserve Facility and GPA dispatch center shall be provided by GPA. Project Company is responsible for telephone and internet line for office. Project company is responsible for water and sewer connections.
5.	First Fill and Commissioning Fuel for DG Plant	The i) First Fill of 3-days-tank 840 m' and ii) Commissioning Fuel (ULSD) capped at 103,871 MMBtu based on 3-day Reliability Run Test shall be provided by GPA
6.	Electricity for Commissioning and Testing for DG	The electricity for commissioning and testing for DG to be provided by GPA capped at 369,375 kWh.
7.	Limitation of Annual Capacity Factor for CCPP Plant	Annual Capacity Factor shall be limited to Air Permit condition. Currently, 85% on both ULSD and NG operation for Contract Years without steam turbine maintenance, and 58% on ULSD, 83% on NG for Contract Years with steam turbine maintenance. * 58%-64% capacity factor on ULSD based on the number of startup/shutdown, which is subject to GEPA's approval on equation basis permit application



No.	Item	Issue
8.	ECA amendment	The items listed above are subject to GPA regulatory approvals. GPA will make best effort to obtain CCU, PUC and USEPA approvals for amendment to the ECA accommodating Minor Air Permit, relocation of the Reserve Facility and other issues by 31 Mar., 2021. The Construction Contract will be executed on Dec 17, 2020 based on Minor Air Permit and relocation of Reserve Facility.

The target COD for Facility and Reserve Facility shall be November 30, 2023. Guam Ukudu Power, LLC and GPA shall make all best efforts to reduce the projected April 2024 COD date to meet this target COD.

Acknowledged and Accepted by

Guam Power Authority

Name: John M. Benavente, P.E. - General Manager

Date: Dec 11, 2020

Guam Ukudu Power, LLC

Name: Jeong-irl Min - CEO of Guam Ukudu Power, LLC

Date: Dec. 17. 2020



GPA PROPOSAL FOR MINOR SOURCE PATH AUGUST 20, 2020

OBJECTIVE:

to USEPA under the consent decree by more than 18 months. Delay of COD Is not in either party's interest and is a significant issue proceeding on major source permitting which in GPA's opinion would delay project completion Determine an alternative to expedite the completion of the new Ukudu Power Plant. KEPCO is

Cause of Delay:

- 63MW steam turbine experiences a forced outage or is under its typically 23 days simple cycle operations coupled with operations of the 65MW diesels whenever the tons/year emission limitation of minor source. There will be severe limitation of CT The permitting of the 198MW CCPP together with 65 MWs of Diesels is not practical overhaul approximately every 4 years of operations. under minor source because emissions would be substantially more than the 100
- of plant on combustion turbine simple cycle coupled with 65 MW of diesel capacity due outages and its overhaul every four years because of significant limitation on operations permitting process but plant capacity will be significant limited during steam turbine The Commercial Operations Date (COD) of October 2022 was premise on a minor source to maximum emission allowed under minor source
- permitting requirements include stringent ambient air monitoring analysis which Major source permitting may potentially permit plant for intended use but the 18 months to 30 months. typically takes a minimum of 1 year. Therefore, this process would likely extend COD by
- USEPA is quite concerned by the potential significant delay of COD and is looking to both parties to work on an alternative solution which has the plant permitted under minor

GPA'S PROPOSED ALTERNATIVE:

- Permit UKUDU Combined Cycle Power Plant (CCPP) under minor source process as follows:
- 0 Permit CCPP at Ukudu site for not less than 85% capacity factor under minor steam turbine overhaul years plant capacity factor is reduced to 85% source. Plant availability of CCPP would remain as per ECA but for each of the
- Plant to be permitted under a 12-month rolling average which would require steam turbine outages combined cycle to insure simple cycle operations is achievable during planned coordination and planning between the parties to dispatch plant as necessary in

with the draft specifications provided herein as Attachment A) at a Cabras site capacity and 2.75 MW continuous capacity) of diesel generators (in accordance Construct, operate and maintain the 49 MW (15 units @ 3.2 MW peaking which would be leased to KEPCO similar to conditions of the ECA.

0

- GPA to provide KEPCO the property site for the 49 MW plant within one year of this agreement.
- GPA to approve new plant generating unit specifications including layout and plant design within 6 months of ECA amendment
- Units are to be equipped with remote starting capabilities for startup from GPA power system control center.
- subject to USEPA approval. The COD of both the CCPP and the Diesel plant is to be reset to November 2023,

0

- 0 GPA would pay an annual fixed O&M Fee of \$2.0 M and a variable fee of \$0.025 / kWh for following:
- Plant Peaking Capacity 0f 49 MW Gross
- Continuous Operating Plant (COP) Capacity of 41 MW
- KEPCO to pursue maximum permittable hours or ULSD fuel consumption under minor source
- Plant availability 94%

0

Plant to be dispatchable by GPA up to EPA approved minor source limitation.

Financial Closing and Performance Bond:

- An amendment of the ECA would be required of the parties
- The financial closing date is to be re-adjusted based on minor source permitting
- bond to be provided at financial closing. currently due at financial closing in the amount of about \$78M. The balance of the bond amount set in ECA within 15 days after ECA amendment. The performance bond is KEPCO will provide GPA a minimum of 50% (Approximately \$40M) of the performance
- All other provisions of the ECA contract remains in place.

ECA Amendment Process: The following is the process for the ECA amendment.

- KEPCO and GPA agree on proposed amendment
- permit process and the proposed new COD schedule GPA discusses agreement with USEPA in order to get their buy-in to the change in
- GPA pursues CCU and PUC approvals (typically accomplished within 1 to 2 months
- Amendment signed. Both parties work together to achieve COD date

Attachment A

A-4	No.	A-3	A-2	A-1	>		No.
Utility Design (Storm Water)	ltem	MEC	Out of Scope	Location		Permits	Item
KEPCO Responsibility	Design Assumption	MEC is not considered for site and ROW area for temp. facility	Following items are not considered in scope of supply. 1) Demolition work in existing area 2) New Transmission Line or Transmission line modification; KEPCO provides DG Substation and provides GPA 115KV terminal point for tie in of 115KV transmission line 3) ROW, Easement	As per preliminary review about location, HEC assumed the project location to reduce fuel system and transmission line as follows.	Design Assumption	KEPCO responsible for all construction and operating permits for plant and would be responsible for compliance until Plant turnover is made after 25 years. GPA will make best efforts to assist KEPCO.	Design Assumption

KEPCO Responsibility	Lighting System	A-17
PABX, PA system, LAN system, CCTV are considered for DG Power Plant.	Communication System	A-16
A RTU for 115 kV substation telecommunication to SCADA is considered.	115 kV Substation Telecommunication to SCADA	A-15
1) Subsurface(geotechnical) condition of the site is suitable for cutting and excavation without any breaker, blasting and etc. 2) upon agreement, GPA to pursue boring data	Civil	A-14
KEPCO Responsibility; provide adequate buildings for management, operations and maintenance and ware housing needs.	Building List	A-13
Terminal point of electrical system - Power Delivery Point : at cable terminal of transmission line of 115KV Breaker - Telecommunication (to SCADA) : at cable terminal of RTU located in 115 kV Substation Building - Communication (by PABX) : at cable terminal of PABX located in DG Control Building	Terminal point of electrical system	A-12
KEPCO Responsibility	Capacity of fire water tank	A-11
Followings are assumed. 1) New fuel storage tank is not necessary 2) One day tank is considered for 3-day supply And each fuel tanks for DG will be installed additionally inside the container of DG for reliable operation.	Capacity of fuel storage	A-10
It is assumed that Diesel oil to be supplied from new ULSD pipeline. For standby, One (1) of Unloading connection point is considered. KEPCO to provide fuel oil line and valve at edge of property line for GPA to tie in supply line.	Utility Design (Fuel Supply)	A-9
KEPCO Responsibility	Utility Design (compressed air)	A-8
Design Assumption	ltem	No.
KEPCO Responsibility	Utility Design (Oily Waste Water)	A-7
KEPCO Responsibility	Utility Design (Sewer)	A-6
KEPCO Responsibility	Utility Design (Potable Water, well pump))	A-5

A-23	A-22	A-21	A-20	A-19	A-18
Maintenance Area	Level Difference	Fire Fighting System	Operator	Control System	Diesel Engine
KEPCO Responsibility	KEPCO Responsibility	KEPCO Responsibility	KEPCO Responsibility	No integration of control system (Electrical & I&C) between CCPP in Ukudu and DG Plant in Cabras; DG to have remote starting capability and GPA will provide communications to DG remote starting terminal.	Followings are design for DG - Emission Limit: Tier 4 Diesel Engine - To be permitted to maximum production under minor source - Diesel Engine Rating: COP (Continuous Power) - Gross Output: 2.75MW /unit x 15ea = 41.25 MW COP; Peaking plant capacity 48.75 MW Gross - Net Power: To be confirmed at future date

-1

PROPOSED AMENDMENT OF THE UKUDU POWER PLANT ENERGY CONVERSION AGREEMENT

January 21, 2021





CONSENT DECREE KEY PROJECTS:

2

New 198 MW Ukudu Power Plant

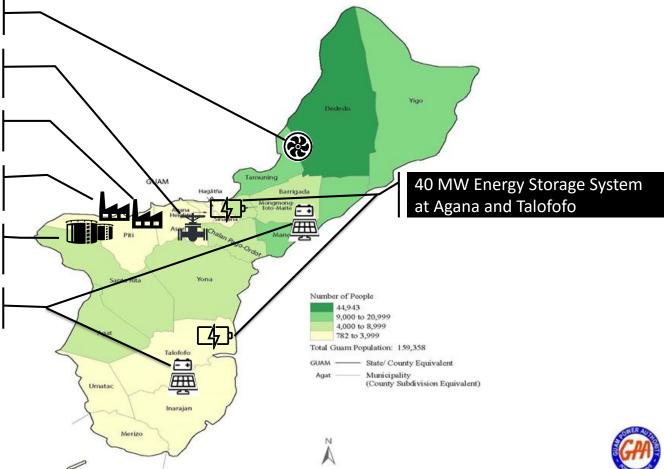
New Cabras-Piti Complex ULSD **Pipeline System**

Piti 8 & 9 Conversion

Cabras 1 & 2 Changes in Operation and Decommissioning

Storage Tanks 1934 and 1935 Refurbishment

100 MW of Solar Power Projects







Power Plant

What is KEPCO Required to Provide to GPA?

3

198 MW

- · Combined cycle power generation plant
- Dual-fired: ULSD [Oct 2022]
- Three (3) Siemens ST800 45 MW gas turbines are each connected to its own heat recovery steam generator (HRSG)
- Steam generated by HRSGs is collected in a common pipeline and is sent to a single 63 MW steam turbine
- Steam existing the steam turbine is condensed in mechanical drive cooling tower, and condensate is sent back to the HSRGs

EFFICIENCY OF MACHINES

 Net heat rate is designed to be 6,648 Btu/kWh when operating on ULSD at 100% load based on fuel higher heating value (HHV), which translates into efficiency of 51%

AVAILABILITY

- Guaranteed forced outage hours constant at 175.2 hours per Contract Year
 (2% of the total number of hours in a year)
- Guaranteed total outage hours vary between 2.02% and 6.95% per year depending on the Facility maintenance schedule
- Reserve Unit makes up for Power Plant Facility outages to the limit of its permitted operating hours

Reserve

65 MW

- Twenty-six (26) high speed reciprocating engines operating on ULSD
- Provides system reserve capacity

AVAILABILITY

 Designed for operation of no more than 500 hours per year and of no more than 300 hours of continuous operation

3ESS

25 MW

- Battery energy storage facility
- Peak discharge capacity of 25 MW
- Storage capacity of 30 minutes



Why is an Amendment Necessary?

4

Air Permitting Challenges

- KEPCO pursued Major Source Permitting to meet its performance obligations
- Major source permitting would result in substantial delays which USEPA was not pleased with
- Minor source permit process results in shorter commissioning period but seemed not economically feasible for KEPCO due to higher capital investment requirements in order to meet contract performance guarantees
- Detrimental impact on GPA, Consent Decree, and system reliability, if contract is terminated or KEPCO walked away because contract was no longer economically feasible; a negotiated alternative solution was the best option
- Termination of contract not in GPA's best interest because at this
 point termination damages limited to \$3M; GPA would be
 subjected to substantial stipulated penalties under consent
 decree; and it would take several years to secure another contract
 if at all
- Best solution for both parties is to agree on a win-win solution which we did and presented here in form of an amendment

COVID-19 Related Delays

- Availability of relevant agencies during pandemic due to closures
- Quarantine requirements
- Work inefficiencies resulting from changes in operating mode

Environmental & Construction Permitting Challenges

- First new power plant construction in 23 years
- Resources of permitting agencies taxed
- Substantially increased scrutiny on Historical preservation and environmental permitting due to military buildup and other community concerns
- Environmental and Archeological assistance resources limited



ECA Amendment

5

The proposed ECA Amendment is subject to CCU and PUC approvals and USEPA general acceptance and willingness to modify consent decree

KEPCO REQUIREMENTS

- Permit the Ukudu plant under minor source.
- New COD date is no later than April 2024 with best efforts of November 2023.
- Construct, operate and maintain over the term of the ECA 41 MW of continuous operating diesel capacity fully dispatchable by GPA at a Cabras site to be provided.
- Plant to consist of 15 units of 2.75 MW capacity each available for continuous operations.

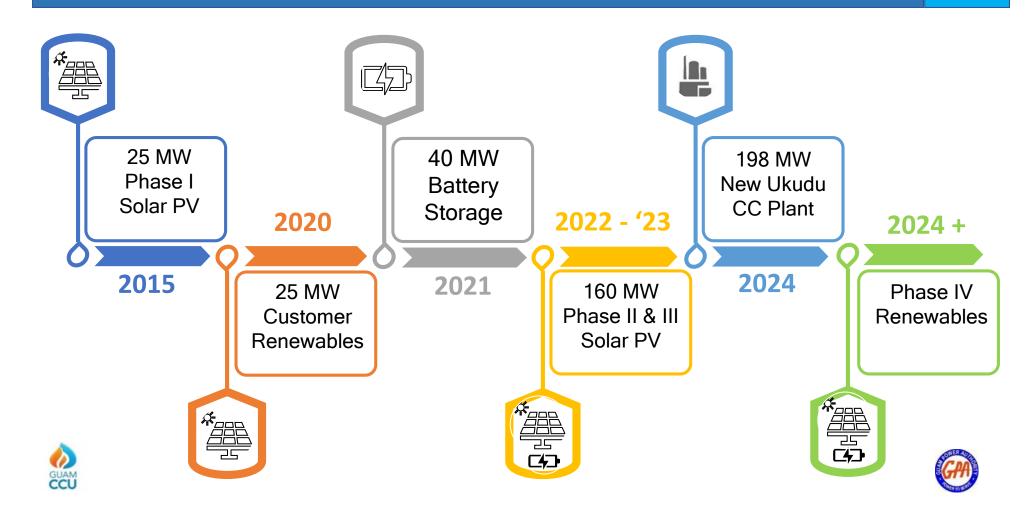
GPA REQUIREMENTS

- Amend ECA to reflect the agreed-upon changes.
- Provide a Cabras location for siting the new 41 MW diesel plant.
- Fixed OM of \$2M annually; Variable O&M of \$0.025/kWh; GPA provides ULSD.
- Adjust plant availability from 85% to 64% on ULSD during steam turbine overhaul once every 4 years.





Updated Milestones - Greater than 25% Renewables by Jan 2024



UPDATED CONSENT DECREE FUEL COST IMPACT:

Calendar Year	2019	2021	2022	2023	2024	2025
Annual Net Kwh	1,707,338,991	1,707,338,991	1,732,566,512	1,758,555,009	1,784,933,335	1,811,707,335
Average HSRFO/LSRFO \$/BBL	\$75.00	\$65.00	\$65.00	DISCONTINUED	DISCONTINUED	DISCONTINUED
ULSD \$/BBL	\$94.00	\$85.00	\$85.00	\$85.00	\$80.00	\$80.00
0.2% S LSRFO NEW 2023				\$80.00	\$80.00	DISCONTINUED
Net KWH Production						
Cabras 1/2	644,466,000	644,466,000	644,466,000	644,466,000	219,118,440	RETIRED
Piti 8&9 RFO	625,632,000	625,632,000	419,173,440	DISCONTINUED		
Piti 8&9 ULSD			206,458,560	625,632,000	212,714,880	92,650,502
New Ukudu Plant					837,814,722	1,300,860,000
Total Baseload	1,270,098,000	1,270,098,000	1,270,098,000	1,270,098,000	1,269,648,042	1,393,510,502
ULSD Reserve Units Production	390,044,158	390,044,158	415,271,679	300,260,176	102,088,460	5,000,000
Renewables Production						
Phase I @ \$0.215/kWh	47,196,833	47,196,833	47,196,833	47,196,833	47,196,833	47,196,833
Phase I KEPCO @ \$0.085/kWh				141,000,000	141,000,000	141,000,000
Phase II HANWAH @ \$0.085/kWh					141,000,000	141,000,000
Phase III ENGIE @ \$0.110/kWh					84,000,000	84,000,000
Total Renewables:	47,196,833	47,196,833	47,196,833	188,196,833	413,196,833	413,196,833
Total Production:	1,707,338,991	1,707,338,991	1,732,566,512	1,758,555,009	1,784,933,335	1,811,707,335
Fuel/Renewables Cost:						
Base Load	\$144,230,220	\$125,283,058	\$134,289,496	\$168,933,960	\$135,595,670	
Intermediate	\$76,507,973	\$69,182,742	\$73,657,386	\$53,257,617	\$17,042,437	\$834,690
Renewables	\$10,147,319	\$10,147,319	\$10,147,319	\$22,132,319	\$43,357,319	\$43,357,319
Total Direct Fuel Cost:	\$230,885,512	\$204,613,118	\$218,094,201	\$244,323,895	\$195,995,426	\$179,469,060
Add Fuel Infrastructure Cost:	\$17,500,000	\$17,500,000	\$17,500,000	\$17,500,000	\$17,500,000	\$5,000,000
Total Fuel Cost:	\$248,385,512	\$222,113,118	\$235,594,201	\$261,823,895	\$213,495,426	\$184,469,060
Fuel Cost Savings:		-\$26,272,394	-\$12,791,311	\$13,438,383	-\$34,890,086	-\$63,916,452
\$/kWh LEAC	\$0.145	\$0.130	\$0.136	\$0.149	\$0.120	\$0.102
Fuel Oil Barrels Reduction	,	4,362	97,984	-58,814	-829,008	-1,035,587
% renewables	6.0%	6.0%	5.9%	14.8%	28.6%	28.1%
70 I CITE WADIES	3.0%	3.0%	3.5%	14.0/0	28.0%	20.1/6





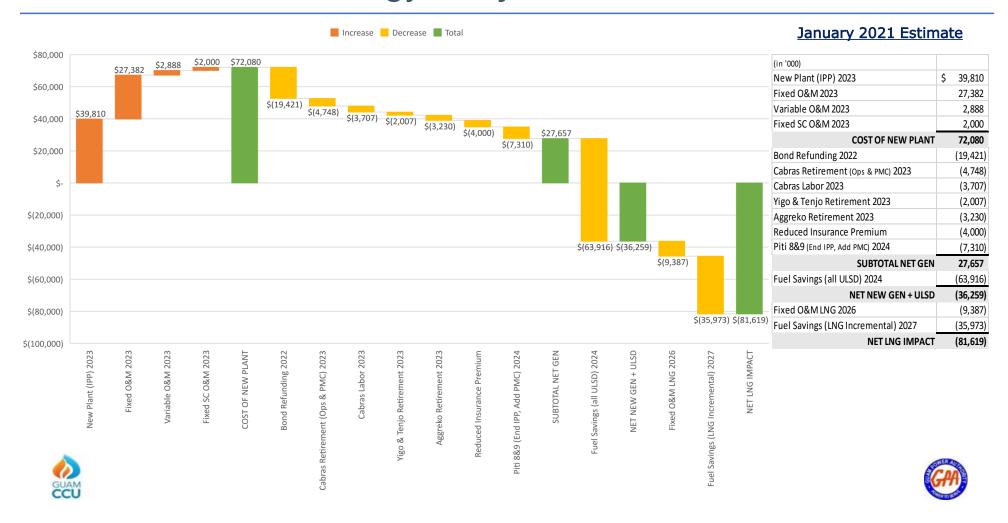
COMPARISON OF PRODUCTION COST:

Description	MEC	Aggreko	Medium Speed	Northern CTs	TEMES 7	Cabras 41 MW
Total kW Capacity:	85,000	40,000	40,000	80,000	40,000	41,000
Annual Non-Fuel All-In Cost:	\$10,000,000	\$5,500,000	\$3,466,027	\$3,714,415	\$1,336,614	\$4,316,263
Annual Capacity Factor:	12.7%	27.9%	27.9%	13.9%	27.9%	27.2%
Annual Net kWh:	97,650,502	97,650,502	97,650,502	97,650,502	97,650,502	97,650,502
Non-Fuel \$/kWh:	\$0.102	\$0.056	\$0.035	\$0.038	\$0.014	\$0.044
Net Heat Rate kWh/Gal ULSD:	15.5	12.5	13.5	10.0	9.0	14.0
\$/BBL ULSD:	\$80.00	\$89.00	\$89.00	\$89.00	\$89.00	\$80.00
\$/kWh ULSD Fuel Cost:	\$0.12	\$0.17	\$0.16	\$0.21	\$0.24	\$0.14
TOTAL PRODUCTION COST	\$0.2253	\$0.2258	\$0.1925	\$0.2499	\$0.2491	\$0.1803
Age (Years):	23	6	28	28	24	0
Number of Units:	2	40	10	4	1	15
Annual Availability:	92%	95%	90%	90%	90%	95%





Cost Reduction Strategy - Adjusted



Recommendation:

10

Approval of Resolution 2021-02 will authorize the General Manager to amend the ECA:

- To allow KEPCO to pursue minor source air permit and commission the Ukudu plant by no later than April 2024 with best efforts of a completion by November 2023
- To allow the relocation of the standby diesel units from Ukudu site to a Cabras site near the GPA bulk fuel oil storage tank facility.
 - The diesel plant shall consist of 41 MW continuous operating capacity permitted to the maximum allowable operating hours under a minor source permit.
 - GPA will pay a fixed O&M fee of \$2,000,000 annually and a variable O&M fee of \$0.025/kWh for energy delivered to the GPA system for the term of the ECA agreement.
 - Ownership of the plant is to be transferred to GPA at that time at no cost.

This solution provides a win-win solution for both parties which would provide for the expeditious execution of the contract.







Management Report GPWA CCU Board Meeting, January 26, 2021



Update to Workforce Availability

GWA Workforce availability as of January 15, 2020

Healthy	362	97.1%
Sick, not COVID-19 related	3	0.8%
COVID-19 Quarantined	1	0.3%
Employee with COVID-19, active case	1	0.3%
COVID-19 Medical Risk	1	0.3%
Military Leave	4	1.1%
LTD	1	0.3%
	373	100%

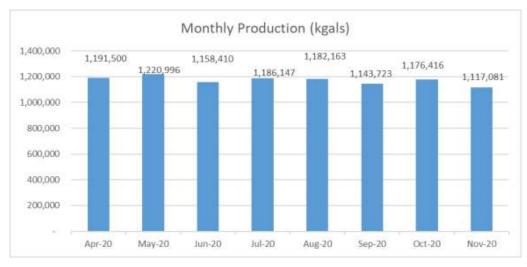
	Total	
Healthy/Reporting for duty at worksite	291	78.0%
Healthy/Reporting for duty - Part Teleworking and Part Reporting		
for duty at worksite	42	11.3%
Healthy/Reporting for duty - Teleworking	28	7.5%
Employee sick - symptoms unrelated to COVID-19	3	0.8%
Military Leave	4	1.1%
LTD/Workers Comp	1	0.3%
Employee wants to electively self-quarantine; status not		
considered vulnerable - does not report for duty	1	0.3%
Employee with COVID-19, active case	1	0.3%
Employee or household member: Travel within last 14 days	1	0.3%
Employee or household member is at medical risk (i.e. COVID-19		
vulnerable)	1	0.3%
	373	100%

Operations Update

Production (November 2020)

	Monthly Production Summary - November 2020							
Deep	Wells			34.0	MGD			
	Active wells =	91	of 120					
	Avg days in operation =	30	days					
	Total Production =	1,020,751	Kgals					
Sprin	gs			0.23	MGD			
	Avg days in operation =	30	days					
	Total Production =	6911	Kgals					
Ugun	n Surface Water Plant			2.0	MGD			
	Avg days in operation =	30	days					
	Total Production =	60,725	Kgals					
Tumo	on Maui Well			0.96	MGD			
	Avg days in operation =	30	days					
	Total Production =	28,694	Kgals					
		1,117,081	Kgals	37.2	MGD			

DW Status as of 11/30/2020						
Active	91					
Grounded motor						
or Pump Failure	10	A21-A26-D03-F06-F07-F13-G501-HGC2-M06-Y16				
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05				
Temporarily						
Secured	2	A23-A25				
Standby	9	A10-A29-D02-D14-D19-D24-F05-F10-M12				
TOTAL	120					

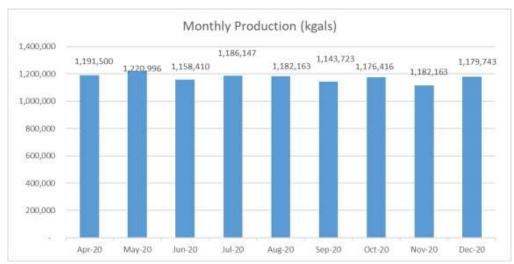


Operations Update

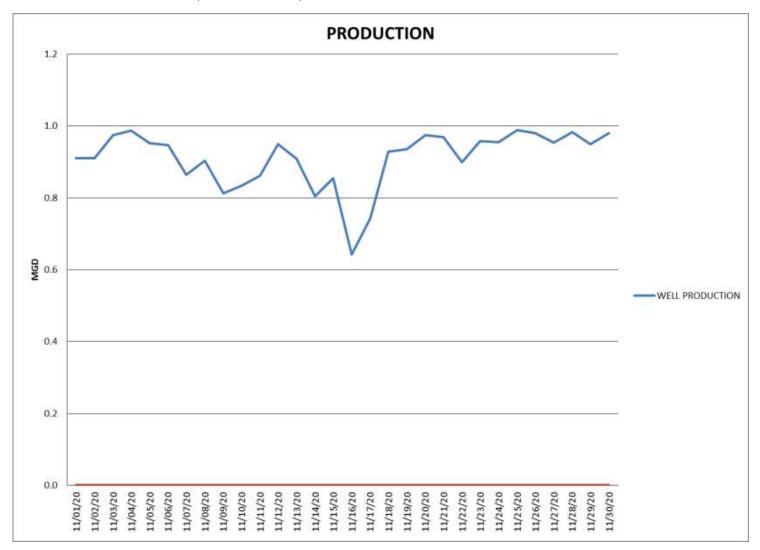
Production (December 2020)

	_						
Monthly Production Summary - December 2020							
Deep Wells			34.7	MGD			
Active wells =	90	of 120					
Avg days in operation =	31	days					
Total Production =	1,074,179	Kgals					
Springs			0.29	MGD			
Avg days in operation =	31	days					
Total Production =	8,885	Kgals					
Ugum Surface Water Plant			2.1	MGD			
Avg days in operation =	31	days					
Total Production =	66,023	Kgals					
Tumon Maui Well			0.99	MGD			
Avg days in operation =	31	days					
Total Production =	30,656	Kgals					
	1,179,743	Kgals	38.1	MGD			

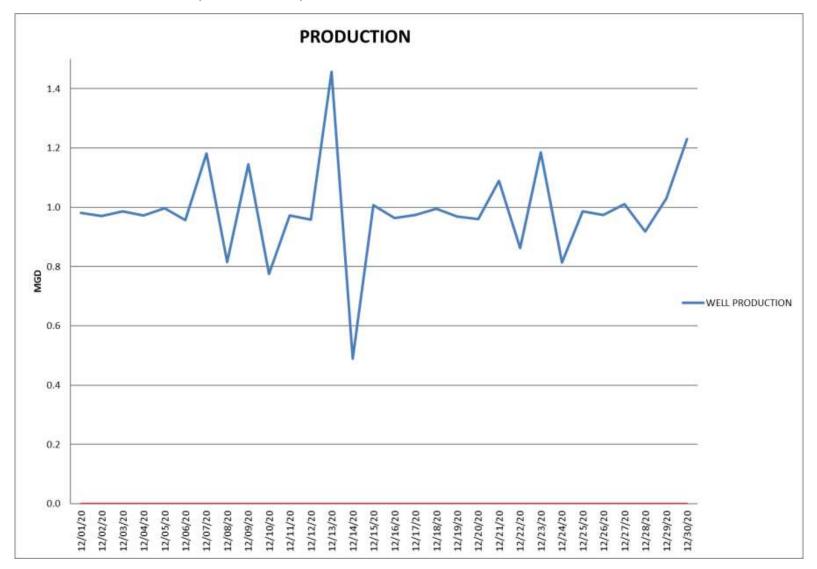
DW Status as of 12/31/2020							
Active	90						
Grounded motor or							
Pump Failure	11	A26-D03-D	A26-D03-D09-F06-F07-F13-G501-HGC2-M06-M17A-Y16				
Out of commission	8	A02-A07-A	A02-A07-A28-D05-D13-M14-MJ01-MJ05				
Temporarily Secured	2	A23-A25					
Standby	9	A10-A29-D	A10-A29-D02-D14-D19-D24-F05-F10-M12				
TOTAL	120						



Tumon Maui Well Production (November 2020)



Tumon Maui Well Production (December 2020)



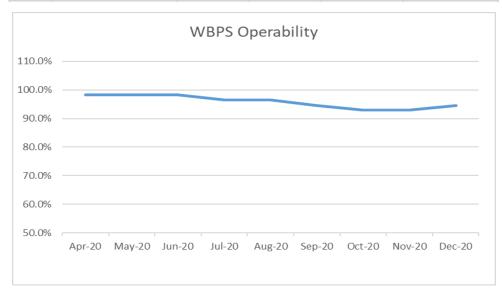
Distribution (November 2020)

	Monthly Distribution Summary - November 2020							
Wate	Water Booster Pump Stations							
	District	No. of	Total	Pumps	%			
	DISTIFICE	Stations	Pumps	Operating	Operational			
	Northern	13	26	24	92.3%			
	Central	7	15	13	86.7%			
	Southern	7	15	15	100.0%			
		27	56	52	92.9%			

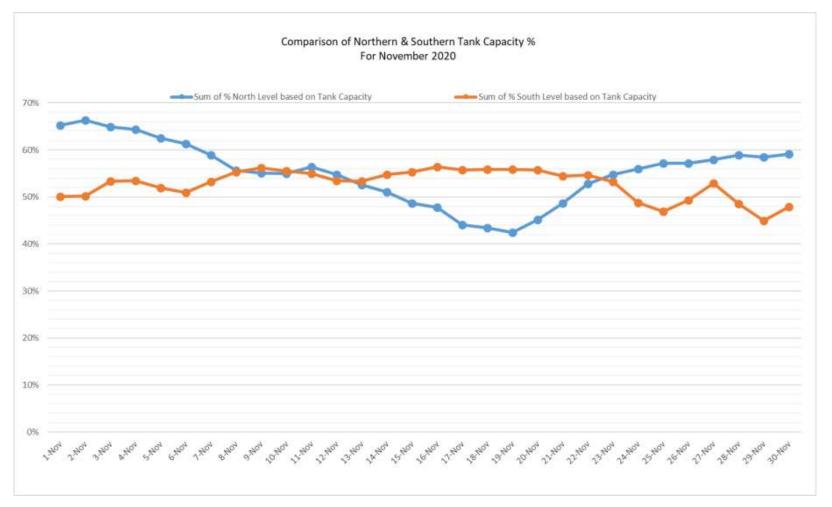


Distribution (December 2020)

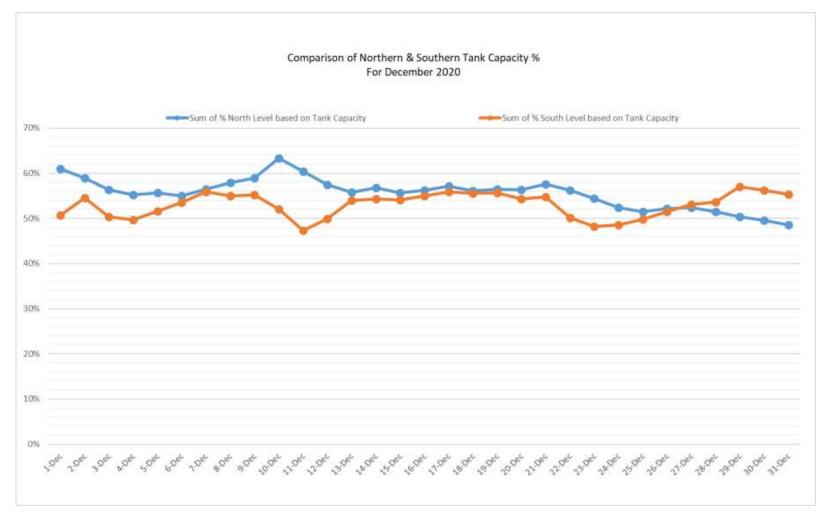
	Monthly Distribution Summary - December 2020							
Wate	Water Booster Pump Stations							
	District	No. of	Total	Pumps	%			
	District	Stations	Pumps	Operating	Operational			
	Northern	13	26	24	92.3%			
	Central	7	15	14	93.3%			
	Southern	7	15	15	100.0%			
		27	56	53	94.6%			



Distribution – Tank Levels (November 2020)



Distribution – Tank Levels (December 2020)

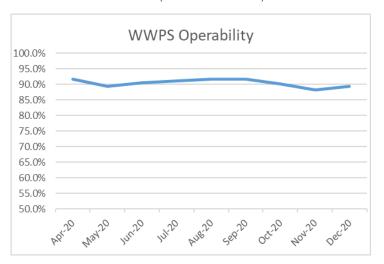


Wastewater Collections (November and December 2020)

Monthly Collections Summary - November 2020								
Wastewater Pump Stations								
District No. of Total Pumps % Stations Pumps Operating Operations								
	Northern	22	52	47	90.4%			
	Central	29	63	56	88.9%			
	Southern	26	56	48	85.7%			
		77	171	151	88.3%			

Monthly Collections Summary - December 2020								
Wastewa	Wastewater Pump Stations							
District No. of Total Pumps % Stations Pumps Operating Operations								
	Northern	22	52	47	90.4%			
	Central	29	63	58	92.1%			
	Southern	26	56	48	85.7%			
		77	171	153	89.5%			

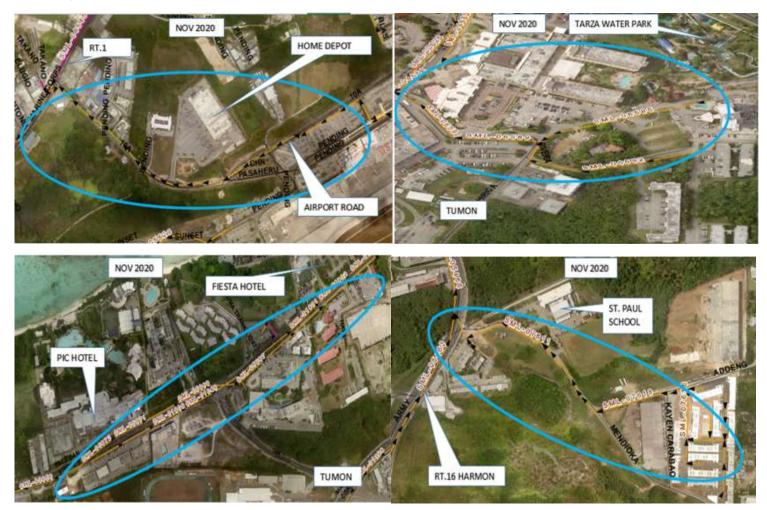
Wastewater Collections (December 2020)





Wastewater Collections –Cleaning/Jetting (November)

Tamuning, Tumon, Harmon



Wastewater Collections –Cleaning/Jetting (November)

Tamuning



Dededo and Yigo



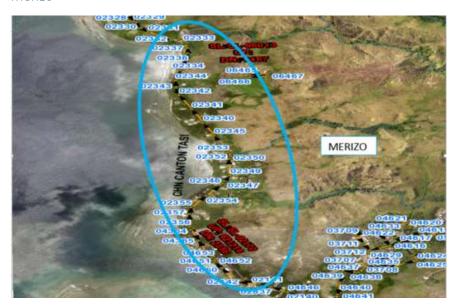
Tiyan and Maite



Agat and Tipalao-Sumay



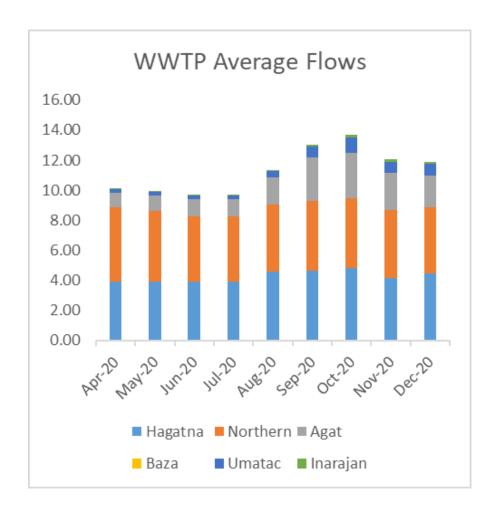
Merizo



Wastewater Treatment (November and December 2020)

N	Monthly Wastewater Treatment Summary - November 2020									
ww 1	WW Treatment Plants - Flows									
	Facility	Avg. Daily Flows	Sludge (lbs)	Sludge Disp. (\$)						
	Hagatna	4.18	253,980	\$ 22,858						
	Northern	4.51	657,060	\$ 59,135						
	Agat	2.46	107,560	\$ 9,680						
	Baza	0								
	Umatac	0.73								
	Inarajan	0.17								
		12.05	1,018,600	\$ 91,673						

Monthly Wastewater Treatment Summary - December 2020										
WW Treatment Plants - Flows										
Facility	Facility Avg. Daily Sludge (lbs) Sludge (\$)									
Hagatna	4.45	465,220	\$ 41,870							
Northern	4.4	975,120	\$ 87,761							
Agat	2.1	97,820	\$ 8,804							
Baza	0									
Umatac	0.80									
Inarajan	0.15									
	11.90	1,538,160	\$ 138,435							

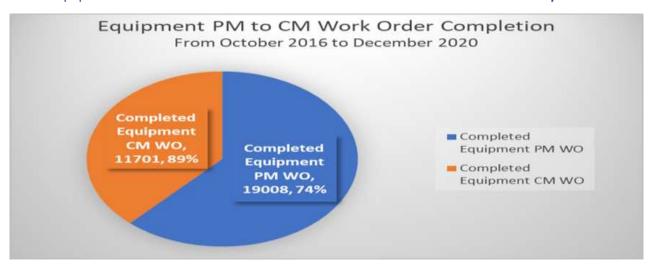


Asset Management (through December 2020)

I. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*



II. Equipment Preventive Maintenance to Corrective Maintenance Work Order Completion

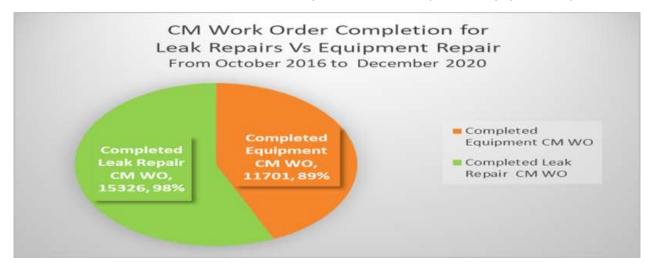


Asset Management (November 2020)

III. Corrective Maintenance Work Order *Ratio* for Leak Repairs vs. Equipment Repair



IV. Corrective Maintenance Work Order *Completion* for Leak Repairs vs. Equipment Repair



Tiyan Meter Installation Project

Number of Active Accounts to be Metere	Number of Active Accounts with Meter Installed as of 1/19/2021	Remaining Number of Meters to Install
107	67	40

- > Decision to move forward with metering Tiyan Flat Rate Customers.
- ➤ 35 meters installed between February 2020 and January 2021.
- ➤ Project plan included assessing each premise by locating water lines, discussing meter placement with customer and then scheduling installation.
- ➤ Confusion in procedures resulted in failure to send official notification of plan to assess and install meters to 35 customers.
- In many cases, installations were initiated at time of assessment after discussing meter location with customer.
- Four (4) accounts double billed (flat rate and metered consumption) in January 2021 due to issues with billing quality control. Process implemented to avoid this from happening again.

One Guam Update (through December 2020)

• 01-TMW

o Inspection for December postpone until January 2021 -

04-OEA Projects

- Observation Wells/NGLA
 - The signed Temporary Construction Easements (TCEs) were sent to GWA for GM's signature.
 - Because TCE term was reduced to 1-year, the GM is waiting for contract issuance for construction to execute the
 TCEs to insure we have sufficient time to complete the work within TCE term.
 - DOD/GWA MOA to ensure that the NGLA Observation Wells are properly maintained and each party funds the data collection and analysis is being reviewed by both Navy and GWA.
 - The DOD MOA with WERI will not move forward until DOD's budget is approved.

• 05- Water to Camp Blaz

- GWA is preparing the proposals to address the needs of for Camp Blaz and for the Forrest Enhancement Irrigation Project.
 - DOD will confirm the water demands for the Forrest Enhancement Irrigation Project and provide to GWA.
 - Maria sent a spreadsheet to GWA on the projected requirements for Camp Blas for each year. The DOD water requirements from the Pott Junction connection for Camp Blaz are .3mgd for 2021 and .4mgd for 2023. The DOD water requirement for the Forrest Enhancement the .5 mgd for 2024.

• 06-Strategy/Framework Discussion

- o DOD and GWA exchanged each other's Hydraulic profile.
- o GWA will contact B&C to clarify some information from the Technical Memo (TM) regarding interoperability of water systems. Once B&C responds, Engineering will meet with Operations to discuss GWA's priority projects.
- o DOD and GWA need to meet once each party establish their priority projects.

• 07-Property Transfers

o Transfer documents of Navy Laterals at Murray Road was signed by Captain Grimes. It is with Capt. Liberator, then to the Admiral before submitting to GWA.

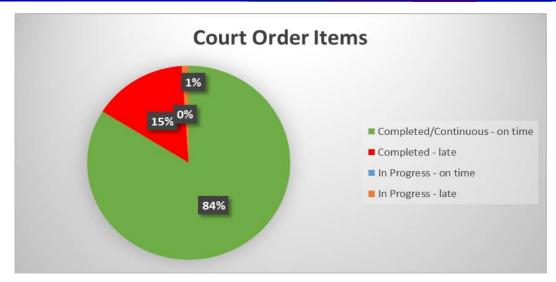
• 30-Other

Umatac / Cetti Bay Easement

- GWA would like to move forward with the extension of the Conservation Easement. Cpt. Grimes needs to execute the extension with GWA. Glen is working with the Installation for approval.
- o Licenses for TMW, AG1 and Tarague Line
 - Andersen will work on the licenses in January
- Documentation/acceptance package for ACEORP Tunnel will be transmitted to the Governor's Office by December 16,
 2020.

Court Order Summary (November 2020 and December 2020 – no changes)

	Total Items	On-time Items Completed / Continuous	In Progress - late	Completed - Late	In Progress - on time	Performance %
Court order total	93	78	1	14	0	98.90%



	Court Order Items	%	Performance
Completed/Continuous - on time	78	84%	(on-time or
Completed - late	14	15%	completed)
In Progress - on time	0	0%	
In Progress - late	1	1%	09.00/
Totals	93	100%	98.9%

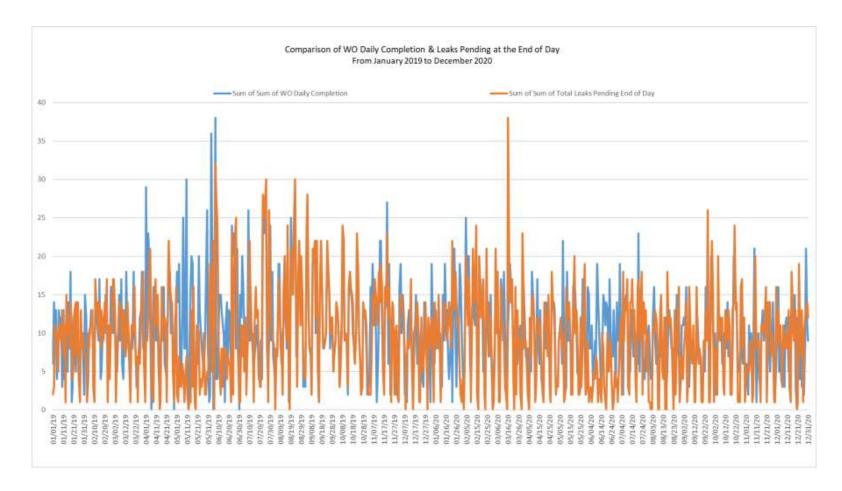
Court Order – Status Information (November 2020 and December 2020)

- 1 item delayed The Court Order is down to one item remaining, § II, (C), (29) Storage tank Repair. Restoration, Replacement or Relocation which is the item that will take longer than the "end" of the court order. That makes us 98.9% done with the CO.
- Final Date to complete all Court Order items will be delayed past December 31, 2020.
 - o CO 29(b) has been expanded by 31% beyond the original Court Order Requirements
 - General Counsel is drafting filing for submission to District Court
 - Additional impact resulted from delay of 2020 Bond issuance and there is also delay due to COVID-19 impacts
- Overflow or Bypass events reported to USEPA (for November 2020 and December 2020):
 - 11-10-20 SSO#299, Francisco Javier Street, Agana Heights, 7950 gallons, FOG
 - 11-19-20 SSO#309, Marine Corps Drive, Tamuning Mamajanao Pump Station, 10175 gallons, Pump Station Failure
 - o 11-20-20 SSO#310, Marine Corps Drive, Tamuning, 1260 gallons, FOG
 - 11-23-20 SSO#314, 385 Joaquin L.G. Jesus St., Asan, 3800 gallons, Heavy Rains
 - o 11-23-20 SSO#315, Vietnam Veterans Highway, Barrigada Sewer Pump Station, 8200 gallons, Heavy Rains
 - o 11-29-20 SSO#323, Chalan Chagamin Lago, Inarajan, 2400 gallons, Heavy Rains
 - o 11-30-20 SSO#329, Chalan Canton Tasi, Merizo, 85,350 gallons, Heavy Rains
 - 12-03-20 SSO#330, Nino Perdido Street, Asan, 1050 gallons, Pump Station Failure
 - 12-05-20 SSO#334, Chalan Canton Tasi, Merizo, 20,850 gallons Heavy Rain
 - o 12-11-20 SSO#343, Dairy Road, Mangilao, 575 gallons, No power at Pump Station Pump Station Failure
 - 12-11- 20 SSO#344, Chalan Canton Tasi, Merizo, 8150 gallons, Heavy Rain
 - o 12-13-20 SSO#345, Ironwood Manor, Dededo, 640 gallons, Pump Station Failure
 - o 12-15-20 SSO#348, Salomon Drive, Agana Heights, 805 gallons, FOG
 - 12-22-20 SSO#335, Dennie Lane, Yigo, 200 gallons, FOG

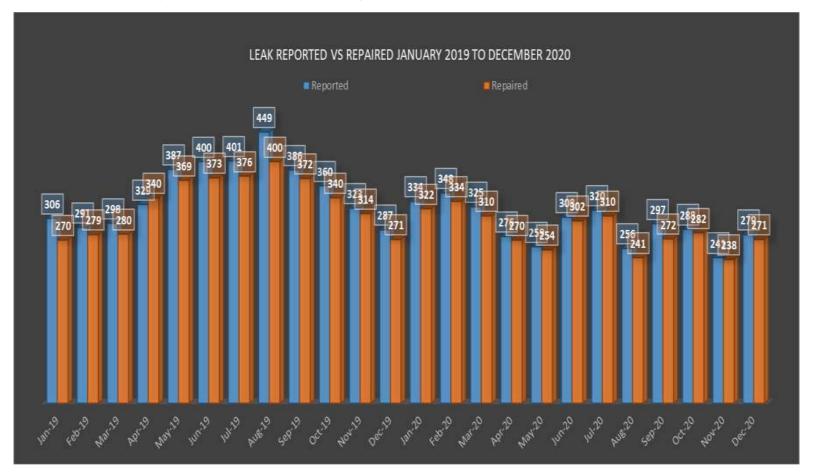
Land Acquisition Summary (through December 2020)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19. 3 rd follow up update status request emailed to DLM 12/14/2020.
Tamo	Piti	Private	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form.
	Airport	Private	Petition revised, reviewed and approved by GWA legal counsel. Family attorney to forward for court approval. 12/22/2020
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2 nd follow up sent on 09/12/18. 3rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19.
Asan Springs	Asan	Federal	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment will be developed. The permit for the biological survey was submitted on 6/12/2020 and is currently still in the hands of NPS. NPS is waiting to confirm with USFWS on the threatened and endangered species that are of concern at the project location. They are just waiting on USFWS confirmation.

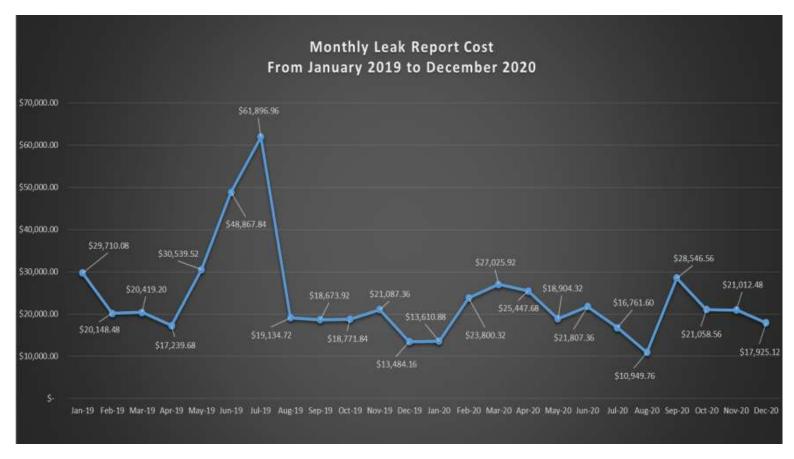
Leak Repair Summary (through December 2020)



Comparison of Leaks Reported vs. Leaks Repaired (through December 2020)



Monthly Leak Report Cost (through December 2020)



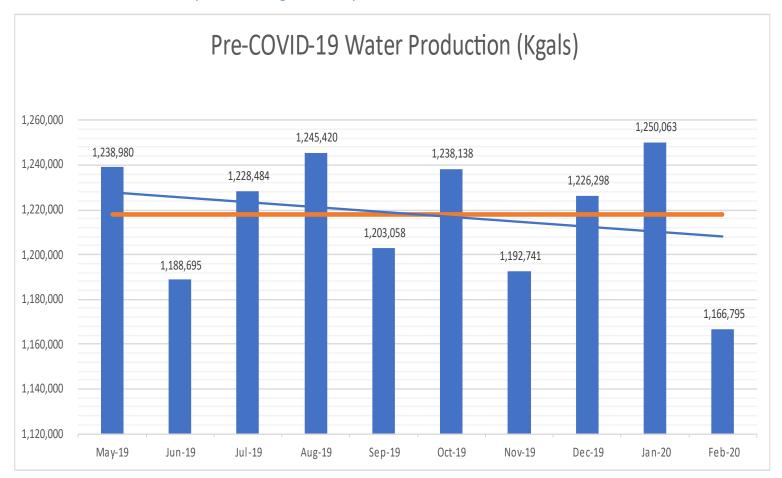
Assumptions:

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

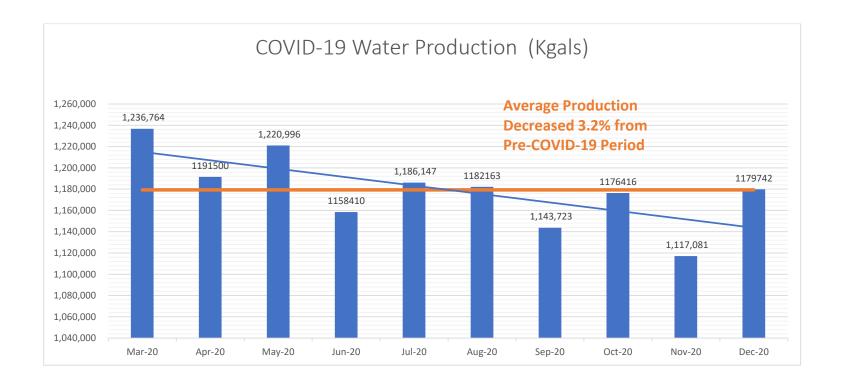
Update to Workforce Availability – By February 1, 2021 GWA employees that continue to telework

	Count of
Row Labels	Employee_Name
Compliance & Safety	8
CustomerService	4
Engineering	1
Finance	1
Wastewater Treatment	1
Grand Total	15

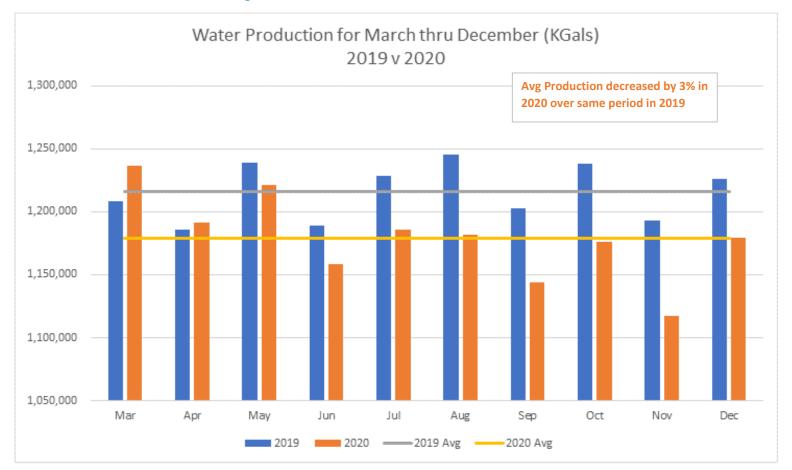
Water Production from May 2019 through February 2020



Water Production from March 2020 through December 2020



Water Production for March through December 2019 vs. 2020



GWA Financial Overview

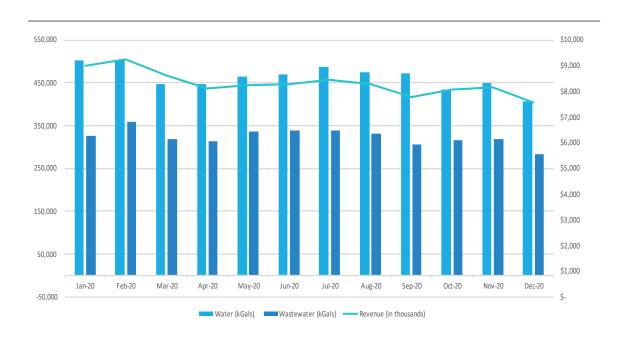
DECEMBER 2020

GWA Key Financial Indicators

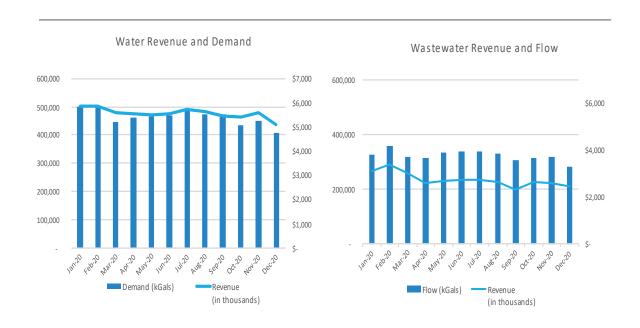
Indicator	Target	November 2020	December 2020
DSC YTD		2000	
 Per Section 6.12 of Indenture 	1.25	1.30	1.32
Per PUC / CCU	1.40	1.30	1.32
Days - Cash on Hand	120 days	268 days	277 days
Collection Ratio	1 1000000000000000000000000000000000000		10511-71210-7201
 Month to Date 	99%	*92%	93%
 Year to Date 	99%	*95%	94%
Days Billed	30 days	31 days	28 days
Account Receivable Days	30 days	49 days	50 days
Account Payable Days	45 days	31 days	33 days
Employee Count	400 FTE	374 FTE	373 FTE
Water Demand	20.000	2222	1770-1770-1777
 Month to Date 	478,754	448,412	405,540
 Year to Date 	1,436,263	883,912	1,289,392
Wastewater Flow			
 Month to Date 	356,472	317,558	283,087
Year to Date	1,069,417	633,627	916,714
Water Customers	42,839	42,978	43,021
Wastewater Customers	29,805	29,403	29,988

^{*}Navy accruals excluded as they were not billed in November.

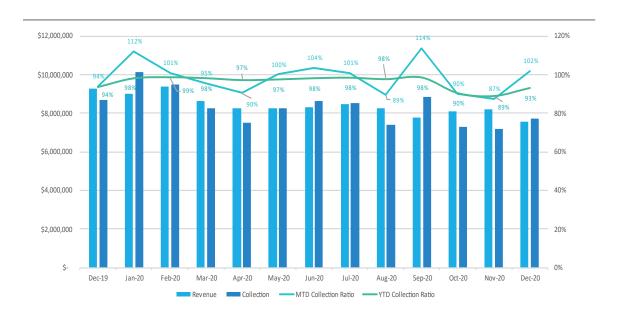
Overall Revenues and Demand



Revenues and Demand



Overall Revenues and Collections

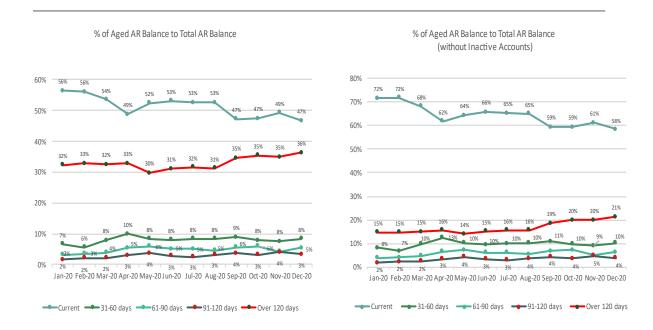


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Revenues and Collections (without Navy)

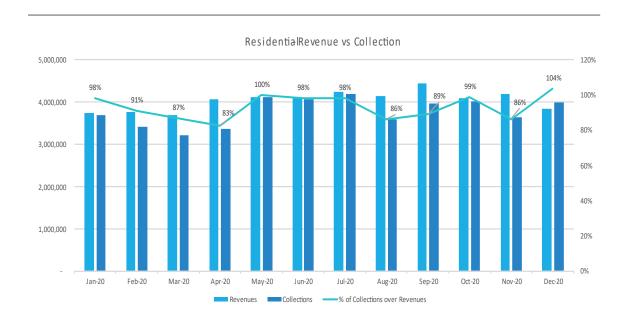


Overall – AR Aging

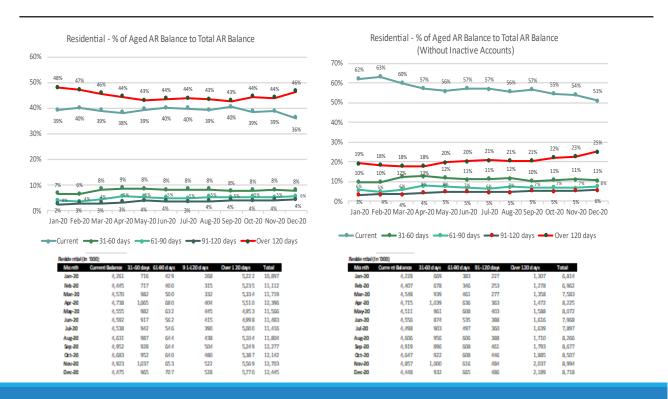


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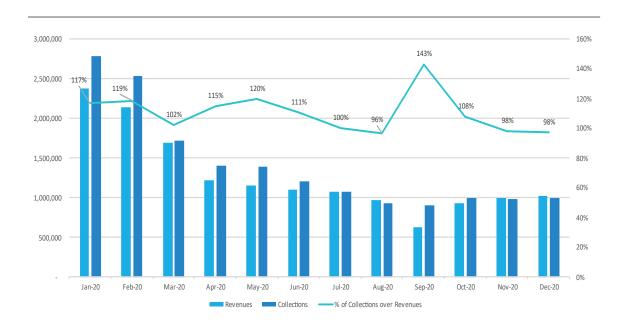
Residential Revenues and Collections



Residential- AR Aging

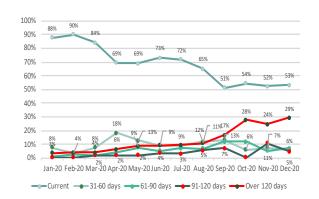


Hotel Revenues and Collections



Hotel-AR Aging

Hotel - % of Aged AR Balance to Total AR Balance



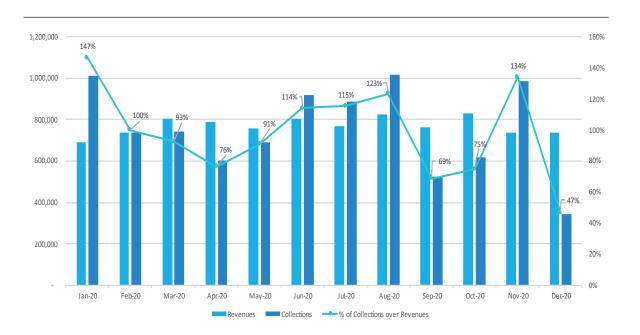
				(with	out Ina	ctive A	ccoun	ts)				
100%	91%	94%	000/									
90%		^	88%									
80%				73%	73%	77%	75%	69%				
70%				_	-			0570				
60%									54%	57%	55%	56%
50%												
40%												
30%				19%						23%	20%	25%
20%	8%		8%		13%	10%	9%	13% 7%	14% 13%	13%	12% 8%	8%
10%	1%	2%	2%	4%	8%	5%	7%	1%		6%	12% 8%	6%
0%	-		-	2%			5%		7%	1%	5%	0/8
	Jan-20 F	eb-20 I	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-2	0 Sep-20	Oct-20	Nov-20 I	Dec-20

Hotel - % of Aged AR Balance to Total AR Balance

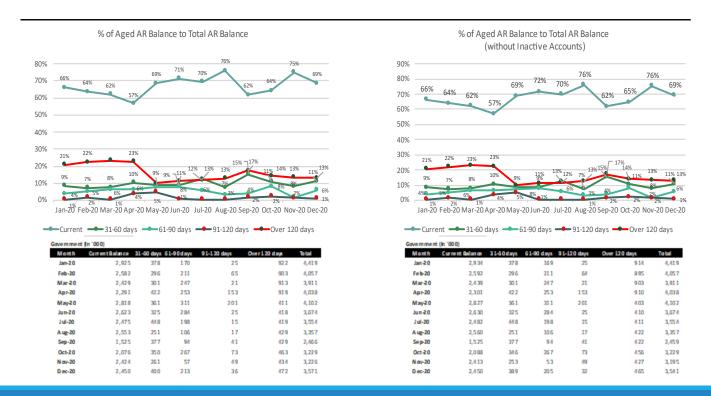
iotel (in '00	(O)					
Month	Current Balance	31-60 days	61-90 days	91-120 days	Over 120 days	Total
Jan-20	3,148	275	35	14	124	3,590
Feb-20	2,847	113	75	9	124	3,168
Mar-20	2,642	240	59	GR	127	3,130
Apr-20	2,060	547	117	57	184	2,965
May-20	1,867	341	206	52	232	2,698
Jun-20	1,878	235	134	94	237	2,578
Jul-20	1,835	228	180	77	240	2,562
Aug-20	1,693	313	172	141	276	2,590
Sep-20	1,175	298	276	162	382	2,292
Oct-20	1,201	128	265	11	612	2,217
Nov-20	1,141	161	111	238	535	2,187
Dec-20	1.200	127	161	111	659	2,259

lote I (I n'00	0)					
Month	Current Balance	31-60days	61-90 days	91-120 days	Over 120 days	Total
Jan-20	3,148	275	35	14		3,471
Feb-20	2,847	113	75	9		3,044
Mar-20	2,642	240	59	GR	3	3,012
Apr-20	2,060	547	117	57	59	2,840
May-20	1,867	341	206	52	107	2,574
Jun-20	1,878	2.35	134	94	113	2,454
Jul-20	1,835	2.28	180	77	116	2,437
Aug-20	1,693	3 13	172	141	152	2,472
Sep-20	1,175	2.98	276	162	257	2,168
Oct-20	1,201	128	265	11	4.66	2,093
Nov-20	1,141	161	111	238	411	2,061
Dec-20	1,200	127	161	111	535	2,135

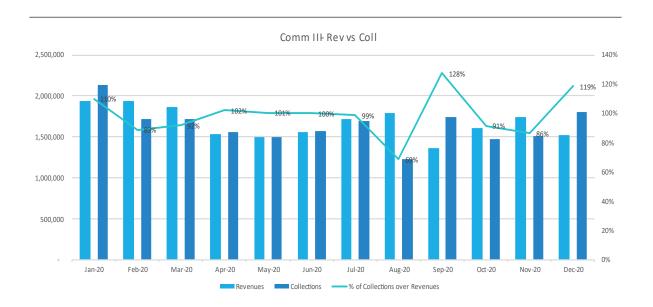
Government Revenues and Collections



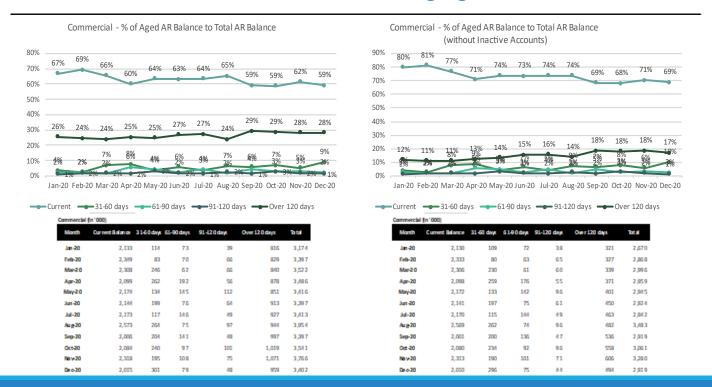
Government- AR Aging



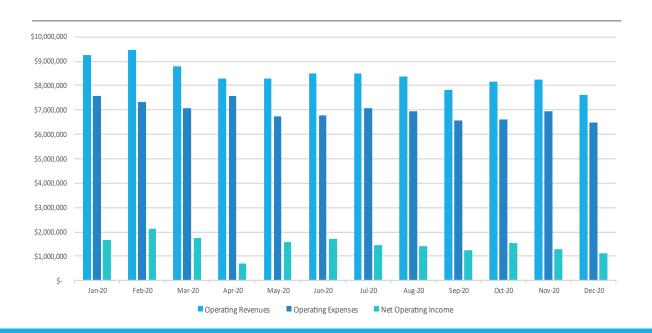
Commercial Revenues and Collections



Commercial- AR Aging



Income Statement



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"Better Water. Better Lives"

Financial Statement Overview December 2020

There were 465 COVID-19 positive tests and 10 COVID-related fatalities reported during the month of December. Executive Order 2020-46 extended the public health emergency from December 29, 2020 to January 29, 2021. The first COVID-19 vaccines were given on December 17, 2020 to the Phase 1 priority group which included health care workers and first responders. At the end of December, 4,241 vaccines were administered.

In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score to 5 or less in hopes of moving the community towards some semblance of normalcy. On December 31, 2020, the island's CAR score was at .5 and mass testing was available to the public at no charge at various locations throughout the island. The Governor's Office announced that Guam will be placed in PCOR 2 on January 18, 2021 as the island's CAR score has been under 5 for nearly 50 consecutive days.

About a third of customers continue to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal which will also include requests for permitting and submissions related to backflow testing on the GWA website.

On April 28th, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. Approximately 47% of payments made in the 1st Quarter of FY21 were made with credit cards. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May - September 2020	140	\$241,335	\$4,952	2.05%
October 2020	33	\$62,173	\$1,250	2.01%
November 2020	23	\$47,555	\$956	2.01%
December 2020	44	\$85,037	\$1,710	2.01%

Year to Date water consumption for the first quarter of FY21 is 13% lower than last year while daily water consumption for the period is down 12% from 16,216 to 14,488 Kgals. Although residential consumption is up 6% for water and 4% for wastewater, reductions in commercial and hotel of 43% in water demand and 40% in wastewater flows offset those increases.

For the month of December, water consumption was down 15% and wastewater consumption was down 18% partially due to reduction of 1 day billed this year compared to last. While daily water consumption for residents increased by 8%, overall daily water consumption was down by 13%.

The Guam Visitors Bureau and the Guam Airport Authority have announced that COVID 19 testing for arriving passengers may begin in January, which could lead to changes in the mandatory 14-day quarantine. Additionally, negative coronavirus test results from Korea, Japan, and Taiwan could soon be accepted in time for the targeted reopening of tourism in the first quarter of CY2021. However, GVB suggests arrivals are not likely to pick up until the third or fourth quarter of FY2021 and a full tourism recovery may not happen until 2024. The Guam Hotel & Restaurant Association has noted that about 3,000 military reside in Guam hotels.

Page 1 of 3



"Better Water, Better Lives"

GVB is exploring the possibility of a travel bubble arrangement with Taiwan. The Governor will be visiting Taiwan to help boost this plan in the upcoming months. Meanwhile, most airlines have suspended flights to Guam.

Schools are scheduled to open on January 19, 2021 with parents able to choose face to face, online or hard copy for their children; we hope to see GDOE consumption increase as more activities are held at the schools. UOG and GCC are also considering reopening in a limited fashion but have not announced specific plans. See Schedule K for Water Demand for FY2015 to FY2021.

The second United States stimulus law was signed this month and includes some funding for rental and utility assistance as well as direct funding for water utilities. The Governor's Office applied for funding for the rental and utility assistance program in early January and we await information on the direct funding program. Unemployment assistance has been extended and the Department of Labor is determining whether reduced hours will be covered in the extension of the program. The deadline for the expenditure of CARES funding was also extended for a year.

As the recovery of Guam's economy is slower than expected, revenues are coming in below projections. A cost containment plan is in place in response to the revenue reductions. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority. GWA is working with bond counsel to determine if a Rate Stabilization Fund can be stood up to assist with debt service coverage.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.129B in September 2020 decreased by \$1.2M or less than 1% to \$1.128B in December 2020. Current Assets decreased by \$6.0M primarily due to reductions in federal receivables. Property, Plant and Equipment increased by \$4.5M due to increases in property net of accumulated depreciation. Other Noncurrent Assets increased by \$809K primarily due to increases in investment balances offset by reductions in restricted cash. Cash on hand was calculated at 277 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$869.9Min September 2020 decreased by \$4.2M or 1% to \$865.7M in December 2020 primarily due to reductions in contractors payable offset by increases in interest payable.
- Accounts Receivable days were 50 in December compared to 49 in November 2020 and Accounts Payable days were 33 in December 2020 compared to 31 in November 2020.

Statement of Operations and Retained Earnings

- Total Operating Revenues for December 2020 of \$7.6M were 20% or \$1.9M less than budget and 18% or \$1.7M less than December 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increases effective in March and October 2020.
- Year to Date Operating Revenues as of December 2020 of \$24.0M were 15% below budget and prior year or \$4.4M less than budget and \$4.2M less than last year.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for the first quarter of FY2020 and FY2021:



"Better Water, Better Lives"

	Customer Class	FY2020	FY2021
0	Residential	39.41%	51.00%
0	Commercial	20.14%	20.48%
0	Hotel	25.16%	12.37%
0	Government of Guam	9.33%	9.70%
0	Federal Government	5.53%	5.98%
0	Agriculture, Golf Course, Irrigation	.44%	.47%

- Total Operating Expenses for December 2020 of \$6.5M were \$974K or 13% lower than budget. Total
 Operating Expenses for December 2020 were 13% or \$943K less than December 2019 with decreases
 in most expense categories.
- Year to Date Operating Expenses at December 2020 of \$20.0M were \$2.4M or 11% lower than budget.
 Year to Date Operating Expenses at December 2020 were \$1.9M or 9% less than last year's \$21.9M.
- Earnings from Operations for December 2020 of \$1.1M were 44% or \$885K less than budget and 40% or \$755K less than December 2019. Change in Net Assets for December 2020 of \$665K were \$2.1M less than the \$2.8M budget mainly due to \$1.3M less in Grants and \$5.4M less more than December 2019 due to \$4.0M less in grants.
- Year to Date Earnings from Operations as of December 2020 of \$4.0M were 33% or \$2.0M less than budget and 36% or \$2.3M less than YTD Earnings as of December 2019. Year to Date Change in Net Assets as of December 2020 of \$3.0M were \$5.3M or 64% less than budget. Year to Date Change in Net Assets as of December 2020 were \$5.3M or 64% less than YTD as of December 2019 mainly due to \$2.4M less in Non-Operating Revenues net of Expenses.

Key Financial Indicators

Indicator	Target	November 2020	December 2020
DSC YTD			
 Per Section 6.12 of Indenture 	1.25	1.30	1.32
Per PUC / CCU	1.40	1.30	1.32
Days - Cash on Hand	120 days	268 days	277 days
Collection Ratio			
Month to Date	99%	*92%	93%
Year to Date	99%	*95%	94%
Days Billed	30 days	31 days	28 days
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Water Demand			
Month to Date	478,754	448,412	405,540
Year to Date	1,436,263	883,912	1,289,392
Wastewater Flow			
Month to Date	356,472	317,558	283,087
Year to Date	1,069,417	633,627	916,714
Water Customers	42,839	42,978	43,021
Wastewater Customers	29,805	29,403	29,988

^{*}Navy accruals excluded as they were not billed in November.

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WATER DEMAND BY RATE CLASS FY2015 - FY2021	к	13

GUAM WATERWORKS AUTHORITY Balance Sheet December 31, 2020

SCHEDULE A

	Unaudited	Unaudited	Increase
ASSETS AND DEFERRED OUTFLOWS of RESOURCES	December 31, 2020	September 30, 2020	(Decrease)
Current Assets Cash			
Unrestricted (Schedule G)	42,231,330	42,479,412	(248,082)
Restricted Funds (Schedule G)	29,280,274	30,072,502	(792,228)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$8,503,526 at Dec 31, 2020 and \$8,027,857 at Sep 30, 2020	13,259,704	12,562,276	697,428
Federal Receivable	2,410,100	8,168,373	(5,758,273)
Other Receivable	868,301	901,928	(33,628)
Materials & Supplies Inventory, Net of Allowance for Obsolescence	4,915,638	4,804,463	111,175
of \$64,131 at Dec 31, 2020 and \$64,131 at Sep 30, 2020 Total Current Assets	92,965,346	98,988,953	(6,023,607)
Property, Plant and Equipment			
Utility plant in service			404.000
Water system Wastewater system	378,892,590	378,487,752	404,838 11,584,474
Non-utility property	492,117,959 25,770,089	480,533,485 25,752,939	17,150
Total property	896,780,638	884,774,176	12,006,462
Less: Accumulated Depreciation	(349,486,413)	(343,114,822)	(6,371,591)
Land	5,240,187	5,240,187	- (1 120 747)
Construction Work in Progress Property, Plant and Equipment, net	144,202,843 696,737,256	145,342,590 692,242,131	(1,139,747) 4,495,124
Other noncurrent assets and deferred charges			
Restricted cash (Schedule G)	210,660,201	219,203,039	(8,542,838)
Investments (Schedule G) Other Prepaid Expenses	76,165,074 2,157,782	66,616,997 2,615,782	9,548,077 (458,000)
Regulatory Assets	692,537	430,962	261,575
Total other noncurrent assets and deferred charges	289,675,594	288,866,779	808,815
Total Assets	1,079,378,195	1,080,097,863	(719,667)
Deferred outflows of resources			
Debt defeasance due to bond refunding	32,835,510	33,351,801	(516,291)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB	6,982,196	6,982,196	-
Total Assets and Deferred Outflows of Resources	1,128,253,401	1,129,489,360	(1,235,959)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS Current Liabilities			
Current maturities of long-term debt			
Series 2013 Revenue Bond	2,990,000	2,695,000	295,000
Series 2014 Refunding Bond	530,000	3,760,000	(3,230,000)
Series 2016 Revenue Bond Series 2017 Refunding Bond	3,860,000 2,040,000	420,000	3,440,000 2,040,000
Accounts Payable -Trade	2,458,900	2,701,944	(243,044)
Accrued and Other Liabilities	944,816	1,238,863	(294,047)
Interest Payable	11,938,094	6,304,598	5,633,496
Accrued Payroll and Employee Benefits	908,317	354,780	553,538
Current portion of employee annual leave	521,113	616,114	(95,001)
Contractors' Payable Customer and Other Deposits	13,711,627 2,177,392	23,311,295 2,199,462	(9,599,667) (22,071)
Total Current Liabilities	42,080,259	43,602,055	(1,521,797)
Long Term Debt, less current maturities			, , ,
Series 2013 Revenue Bond	24,350,000	24,645,000	(295,000)
Series 2014 Refunding Bond	64,610,000	61,380,000	3,230,000
Series 2016 Revenue Bond	139,030,000	142,470,000	(3,440,000)
Series 2017 Refunding Bond	105,325,000	107,365,000	(2,040,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	- (400.047)
Unamortized Bond Premium/Discount Net pension liability	42,046,476 49,593,171	42,515,523 49,593,171	(469,047)
Net OPEB obligation	62,656,405	62,656,405	-
Employee Annual Leave, Less Current Portion	1,274,196	1,179,195	95,001
Employee Sick Leave	1,226,702	1,226,702	-
Total Liabilities	832,267,209	836,708,051	(4,440,842)
Deferred inflows of resources:	225,498	67.000	457.000
Contribution in Aid of Construction Deferred inflows from pension	225,498 1,444,744	67,608 1,444,744	157,890
Deferred inflows from OPEB	31,758,062	31,758,062	<u> </u>
Total Liabilities and Deferred Inflows of Resources	865,695,513	869,978,465	(4,282,952)
Net Assets	262,557,888	259,510,894	3,046,994
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,128,253,401	1,129,489,360	(1,235,959)
Total Liabilities, Deletted lilliows of Resources and Net Assets	1,120,253,401	1,129,409,300	(1,235,959)

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending December 31, 2020

SCHEDULE B

	Month to Date		Variance	
	Budget*	Actual (Unaudited)	Favorable /	
	December-20	December-20	(Unfavorable)	
OPERATING REVENUES				
Water Revenues	5,863,373	4,935,503	(927,870)	
Wastewater Revenues Legislative Surcharge	3,226,426 274,214	2,397,302	(829,124)	
Other Revenues	274,214 35,895	216,762 28,686	(57,452) (7,209)	
System Development Charge	77,442	40,616	(36,826)	
Total Operating Revenues	9,477,350	7,618,869	(1,858,480)	
OPERATING AND MAINTENANCE EXPENSES				
Water Purchases	718,609	224,352	494,257	
Power Purchases	1,082,131	1,002,553	79,579	
Total Utility Costs	1,800,740	1,226,904	573,836	
Salaries and Wages	1,769,221	1,702,655	66,565	
Pension and Benefits	606,991	646,032	(39,040)	
Total Salaries and Benefits	2,376,212	2,348,687	27,525	
Capitalized Labor and Benefits	(308,333)	(333,024)	24,691	
Net Salaries and Benefits	2,067,879	2,015,663	52,216	
Administrative and General Expenses				
Sludge removal	136,907	135,456	1,452	
Chemicals	196,696	86,686	110,009	
Materials & Supplies	163,935	44,275	119,660	
Transportation Communications	37,298 14,528	22,886 12,839	14,411 1,690	
Claims	5,181	12,039	5,181	
Insurance	78,685	78,330	355	
Training & Travel	29,321	-	29,321	
Advertising	11,346	2,160	9,186	
Miscellaneous	89,396	82,175	7,221	
Regulatory Expense	24,155	8,958	15,196	
Bad Debts Provision	151,113	150,991	122	
Total Administrative and General Expense	938,561	624,757	313,804	
Depreciation Expense	1,855,919	2,135,984	(280,064)	
Contractual Expense	00.004	04.400	20.704	
Audit & Computer Maintenance	92,904	24,120	68,784	
Building rental Equipment rental	41,352 87,524	37,471 23,834	3,881 63,690	
Legal	563	23,034	563	
Laboratory	35,382	20,707	14,676	
Other	267,774	135,925	131,850	
Total Contractual Expense	525,500	242,057	283,442	
Retiree Supp. Annuities and health care costs	233,386	201,273	32,113	
Contribution to Government of Guam	48,546	50,333	(1,787)	
Total Retiree Benefits	281,932	251,606	30,326	
Total Operating Expenses	7,470,530	6,496,971	973,559	
Earnings (Loss) from Operations	2,006,820	1,121,899	(884,921)	
Interest Income - 2010/13/14/16/17/20 Series Bond Interest Income - Other Funds	128,299 29,550	2,189 681	(126,110) (28,869)	
Interest Income - Other Funds Interest Income - SDC	2,488	(1,169)	(3,657)	
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78,690	
Federal Expenditures	(2,000,020)	(72,016)	(72,016)	
Amortization of Discount, Premium and Issuance Costs	(23,078)	156,349	179,427	
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)	
Prior Year Adjustment		(45,042)	(45,042)	
Total non-operating revenues (expenses)	(2,523,508)	(2,690,744)	(167,236)	
Net Income (Loss) before capital contributions	(516,688)	(1,568,846)	(1,052,157)	
Capital Contributions	0.044.074	0.044.407	(4.000.005)	
Grants from US Government Grants from GovGuam & Others	3,311,071	2,044,107	(1,266,965)	
Total Capital Contributions	3,311,071	190,048 2,234,154	190,048 (1,076,917)	
Change in Net Assets	2,794,383	665,309	(2,129,074)	
.			<u> </u>	
Debt Service Calculation				
Earnings From Operations	2,006,820	1,121,899		
System Development Charge	(77,442)	(40,616)		
Retiree COLA	48,546	50,333		
Interest/Investment Income	29,550	681		
Depreciation	1,855,919	2,135,984		
Balance Available for Debt Service per Section 6.12	3,863,393	3,268,280		
Debt Service				
Principal	772,500	772,500		
Interest	1,996,663	1,847,251		
Total Debt Service Coverage (4.25Y) per Section 6.12 (Indenture)	2,769,163	2,619,751		
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.25		
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.25		

^{*}Adjusted budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending December 31, 2020 and 2019

SCHEDULE C

	Month to Actual (Unaudited) December-20	Date Actual (Unaudited) December-19	Variance Increase / (Decrease)
OPERATING REVENUES			, , , , ,
Water Revenues	4,935,503	5,461,985	(526,482)
Wastewater Revenues Legislative Surcharge	2,397,302 216,762	3,497,682 291,329	(1,100,381) (74,567)
Other Revenues	28,686	24,508	4,179
System Development Charge	40,616	41,203	(587)
Total Operating Revenues	7,618,869	9,316,708	(1,697,838)
OPERATING AND MAINTENANCE EXPENSES Water Purchases	224,352	531,933	(207 E01)
Power Purchases Power Purchases	1,002,553	1,432,471	(307,581) (429,918)
Total Utility Costs	1,226,904	1,964,404	(737,500)
	,		<u> </u>
Salaries and Wages Pension and Benefits	1,702,655	1,626,563	76,092
Total Salaries and Benefits	646,032 2,348,687	529,411 2,155,974	116,621 192,713
Capitalized Labor and Benefits	(333,024)	(287,231)	(45,794)
Net Salaries and Benefits	2,015,663	1,868,743	146,920
Administrative and General Expenses	405.450	440.005	47.454
Sludge removal Chemicals	135,456 86,686	118,005 210,324	17,451 (123,637)
Materials & Supplies	44,275	149,718	(105,443)
Transportation	22,886	47,127	(24,240)
Communications	12,839	10,186	2,653
Claims	- 70.220	9,052	(9,052)
Insurance Training & Travel	78,330	77,860 26,215	470 (26,215)
Advertising	2,160	3,080	(920)
Miscellaneous	82,175	85,883	(3,708)
Regulatory Expense	8,958	63,587	(54,629)
Bad Debts Provision Total Administrative and General Expense	150,991 624.757	184,910 985,946	(33,919)
Depreciation Expense	2,135,984	2,002,032	133,952
Contractual Expense	,	, , , , , , , , , , , , , , , , , , , ,	,
Audit & Computer Maintenance	24,120	28,657	(4,536)
Building rental	37,471	34,819	2,653
Equipment rental Laboratory	23,834 20,707	52,122 15,680	(28,288) 5,027
Other	135,925	248,122	(112,197)
Total Contractual Expense	242,057	379,399	(137,342)
Retiree Supp. Annuities and health care costs	201,273	189,075	12,198
Contribution to Government of Guam Total Retiree Benefits	50,333 251,606	50,334 239,409	(1) 12,197
Total Operating Expenses	6,496,971	7,439,933	(942,962)
Earnings (Loss) from Operations	1,121,899	1,876,774	(754,876)
Interest Income - 2010/13/14/16/17/20 Series Bond	2,189	155,726	(153,537)
Interest Income - Other Funds Interest Income - SDC	681 (1,169)	40,926 12,001	(40,245)
Interest income - 3DC Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(13,170) (442,540)
Interest Expense - ST BOG	(=,,)	(7,123)	7,123
Federal Expenditures	(72,016)	-	(72,016)
Loss on Asset Disposal	450.040	(42,267)	42,267
Amortization of Discount, Premium and Issuance Costs Defeasance due to bond refunding	156,349 (172,097)	119,970 (68,976)	36,379 (103,121)
Prior Year Adjustment	(45,042)	(00,570)	(45,042)
Total non-operating revenues (expenses)	(2,690,744)	(1,906,842)	(783,903)
Net Income (Loss) before capital contributions	(1,568,846)	(30,067)	(1,538,778)
Capital Contributions Grants from US Government	2,044,107	6,090,821	(4.046.745)
Grants from GovGuam & Others	190,048	6,090,621	(4,046,715) 190,048
Total Capital Contributions	2,234,154	6,090,821	(3,856,667)
Change in Net Assets	665,309	6,060,754	(5,395,445)
Debt Service Calculation			
Earnings From Operations System Development Charge	1,121,899	1,876,774	
Retiree COLA	(40,616) 50,333	(41,203) 50,334	
Interest/Investment Income	681	40,926	
Depreciation	2,135,984	2,002,032	
Balance Available for Debt Service per Section 6.12	3,268,280	3,928,863	
Working Capital Reserve Available for Debt Service Balance Available for Debt Service inclusive of reserves	3,268,280	967,350	
Debt Service	3,200,200	4,896,212	
Principal	772,500	730,833	
Interest	1,847,251	2,117,099	
Total Poht Samina Coverage (4.25Y) per Section 6.42 (Indenture)	2,619,751	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture) Debt Service Coverage (1.40X) (PUC)	1.25 1.25	1.38	
Debt Service Coverage (1.40X) (PGC) Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.20	1.72	
	-	<u> </u>	

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending December 31, 2020

SCHEDULE D

	Year to Date		Variance	
	Budget* December-20	Actual (Unaudited) December-20	Favorable / (Unfavorable)	
OPERATING REVENUES				
Water Revenues	17,590,120	15,567,456	(2,022,663)	
Wastewater Revenues	9,679,277	7,520,673	(2,158,604)	
Legislative Surcharge Other Revenues	822,643 107,684	694,483 89,094	(128,160) (18,590)	
System Development Charge	232,326	159,317	(73,009)	
Total Operating Revenues	28,432,049	24,031,023	(4,401,027)	
OPERATING AND MAINTENANCE EXPENSES			<u> </u>	
Water Purchases	2,155,827	1,092,000	1,063,827	
Power Purchases	3,246,394	2,983,951	262,444	
Total Utility Costs	5,402,221	4,075,950	1,326,270	
Salaries and Wages	5,307,662	4,809,911	497,751	
Pension and Benefits	1,820,974	1,820,940	34	
Total Salaries and Benefits	7,128,636	6,630,851	497,785	
Capitalized Labor and Benefits	(925,000)	(916,163)	(8,837)	
Net Salaries and Benefits	6,203,636	5,714,688	488,948	
Administrative and General Expenses Sludge removal	205 721	266 205	20.427	
Chemicals	395,721 590,087	366,285 435,704	29,437 154,383	
Materials & Supplies	481,806	253,057	228,749	
Transportation	113,893	113,048	846	
Communications	43,585	39,730	3,855	
Claims	15,542	-	15,542	
Insurance	235,056	234,991	65	
Training & Travel	87,963	7,757	80,206	
Advertising	34,038	11,427	22,611	
Miscellaneous	268,188	249,489	18,699	
Regulatory Expense	72,464	34,830	37,634	
Bad Debts Provision Total Administrative and General Expense	477,340 2,815,683	475,666 2,221,983	1,674 593,700	
Depreciation Expense	5,567,758	6,371,591	(803,833)	
Contractual Expense	0,001,100	0,07.1,001	(000,000)	
Audit & Computer Maintenance	283,712	282,757	955	
Building rental	124,056	112,414	11,642	
Equipment rental	257,573	73,368	184,204	
Legal	1,688	-	1,688	
Laboratory	106,147	32,577	73,570	
Other Total Contractual Evappea	803,323 1,576,499	355,970 857,086	447,354 719,412	
Total Contractual Expense Retiree Supp. Annuities and health care costs	700,157	613,533	86,624	
Contribution to Government of Guam	145,638	151,000	(5,362)	
Total Retiree Benefits	845,795	764,533	81,262	
Total Operating Expenses	22,411,591	20,005,831	2,405,760	
Earnings (Loss) from Operations	6,020,459	4,025,192	(1,995,267)	
Interest Income - 2010/13/14/16/17/20 Series Bond	384,898	6,667	(378,232)	
Interest Income - Other Funds	88,651	1,895	(86,756)	
Interest Income - SDC	7,463	9,197	1,734	
Interest Expense - 2010/13/14/16/17/20 Series Bond Federal Expenditures	(7,914,988)	(7,678,918)	236,070	
Amortization of Discount, Premium and Issuance Costs	(69,233)	(127,812) 467,297	(127,812) 536,530	
Defeasance due to bond refunding	(67,316)	(516,291)	(448,975)	
Prior Year Adjustment	(07,010)	(50,572)	(50,572)	
Total non-operating revenues (expenses)	(7,570,524)	(7,888,538)	(318,014)	
Net Income (Loss) before capital contributions	(1,550,065)	(3,863,346)	(2,313,280)	
Capital Contributions				
Grants from US Government	9,933,214	6,713,187	(3,220,028)	
Grants from GovGuam & Others		197,153	197,153	
Total Capital Contributions Change in Net Assets	9,933,214	6,910,340 3,046,994	(3,022,875)	
Change in Net Assets	8,383,149	3,040,994	(5,336,155)	
Debt Service Calculation				
Earnings From Operations	6,020,459	4,025,192		
System Development Charge	(232,326)	(159,317)		
Retiree COLA	145,638	151,000		
Interest/Investment Income	88,651	1,895		
Depreciation	5,567,758	6,371,591		
Balance Available for Debt Service per Section 6.12 Debt Service	11,590,180	10,390,361		
Principal	2 247 500	2 217 500		
Interest	2,317,500 5,989,988	2,317,500 5,541,754		
Total	8,307,488	7,859,254		
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.32		
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.32		
		-		

*Adjusted budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending December 31, 2020 and 2019

SCHEDULE E

Comparative for the period ending Decei	mber 31, 2020 and 2019		SCHEDULE E
	Year to		Variance
	Actual (Unaudited) December-20	Actual (Unaudited) December-19	Increase / (Decrease)
OPERATING REVENUES	December-20	December-19	(Decrease)
Water Revenues	15,567,456	17,042,245	(1,474,789)
Wastewater Revenues	7,520,673	10,037,605	(2,516,932)
Legislative Surcharge Other Revenues	694,483	886,978 95,115	(192,495)
System Development Charge	89,094 159,317	131,141	(6,021) 28,176
Total Operating Revenues	24,031,023	28,193,084	(4,162,062)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	1,092,000	1,709,769	(617,769)
Power Purchases Total Utility Costs	2,983,951 4,075,950	4,045,875 5,755,643	(1,061,924) (1,679,693)
rotal Culty Coole	1,010,000	0,7 00,0 10	(1,010,000)
Salaries and Wages	4,809,911	4,874,196	(64,285)
Pension and Benefits	1,820,940	1,580,806	240,134
Total Salaries and Benefits Capitalized Labor and Benefits	6,630,851	6,455,002 (838,663)	175,849
Net Salaries and Benefits	(916,163) 5,714,688	5,616,339	(77,501) 98,348
Administrative and General Expenses	0,714,000	0,010,000	00,040
Sludge removal	366,285	359,173	7,111
Chemicals	435,704	545,200	(109,496)
Materials & Supplies	253,057	417,277	(164,220)
Transportation Communications	113,048 39,730	140,267 27,871	(27,220)
Claims	39,730	27,871 9,052	11,859 (9,052)
Insurance	234,991	233,806	1,185
Training & Travel	7,757	36,270	(28,513)
Advertising	11,427	5,271	6,156
Miscellaneous	249,489	219,300	30,189
Regulatory Expense	34,830	133,259	(98,429)
Bad Debts Provision Total Administrative and General Expense	475,666 2,221,983	559,297 2,686,043	(83,631) (464,060)
Depreciation Expense	6,371,591	5,999,865	371,725
Contractual Expense	0,011,001	0,000,000	07 1,720
Audit & Computer Maintenance	282,757	107,638	175,119
Building rental	112,414	105,422	6,992
Equipment rental	73,368	288,715	(215,346)
Laboratory	32,577	77,053	(44,476)
Other Total Contractual Expense	355,970 857,086	506,600 1,085,428	(150,630) (228,341)
Retiree Supp. Annuities and health care costs	613,533	570,065	43,468
Contribution to Government of Guam	151,000	151,002	(2)
Total Retiree Benefits	764,533	721,067	43,466
Total Operating Expenses	20,005,831	21,864,386	(1,858,555)
Earnings (Loss) from Operations Interest Income - 2010/13/14/16/17/20 Series Bond	4,025,192 6,667	6,328,699 587,509	(2,303,507) (580,843)
Interest Income - 2010/13/14/10/17/20 Series Borid Interest Income - Other Funds	1,895	157,487	(155,592)
Interest Income - SDC	9,197	37,447	(28,250)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(7,678,918)	(6,351,297)	(1,327,621)
Interest Expense - ST BOG	·	(18,697)	18,697
Federal Expenditures	(127,812)	(40.007)	(127,812)
Loss on Asset Disposal Amortization of Discount, Premium and Issuance Costs	- 467,297	(42,267) 359,909	42,267 107,388
Defeasance due to bond refunding	(516,291)	(206,927)	(309,364)
Prior Year Adjustment	(50,572)	(36,592)	(13,980)
Total non-operating revenues (expenses)	(7,888,538)	(5,513,427)	(2,375,111)
Net Income (Loss) before capital contributions	(3,863,346)	815,272	(4,678,618)
Capital Contributions Grants from US Government	6,713,187	7 546 707	(833,540)
Grants from OS Government Grants from GovGuam & Others	197,153	7,546,727	(833,540) 197,153
Total Capital Contributions	6,910,340	7,546,727	(636,387)
Change in Net Assets	3,046,994	8,361,999	(5,315,005)
		-	
Debt Service Calculation			
Earnings From Operations	4,025,192	6,328,699	
System Development Charge Retiree COLA	(159,317)	(131,141) 151,002	
Interest/Investment Income	151,000 1,895	151,002	
Depreciation	6,371,591	5,999,865	
Balance Available for Debt Service per Section 6.12	10,390,361	12,505,912	
Working Capital Reserve Available for Debt Service	-	2,902,049	
Balance Available for Debt Service inclusive of reserves	10,390,361	15,407,961	
Debt Service Principal	2 247 500	2 102 500	
Interest	2,317,500 5,541,754	2,192,500 6,351,297	
Total	7,859,254	8,543,797	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.32	1.46	
Debt Service Coverage (1.40X) (PUC)	1.32		
Debt Service Coverage (1.75X) inclusive of reserves (PUC)		1.80	

Guam Waterworks Authority System Development Charges Project Status As of December 31, 2020

SCHEDULE F

Funding Summary

Total available project funds	\$ 13,342,324
Total project expenditures and encumbrances	10,396,541
Total unobligated project funds	\$ 2,945,783

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	215,747	64,293	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	19,409	5,403,190	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	72,836	527,033	599,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Groundwater Well Production Meter Rep.	-	151,207	151,207
·	\$ 3,744,934	\$ 6,651,607	\$ 10,396,541

As of November 30, 2020

Funding Summary

<u></u>	
Total available project funds	\$ 13,302,322
Total project expenditures and encumbrances	10,439,324
Total unobligated project funds	\$ 2,862,998

Projects Funded

		Outstanding	Expenditures and
Project Description	Expenditures	Encumbrances	Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	1,202,006	-	1,202,006
Baza Gardens Wastewater Cross Island Pumping & Conveyance	1,150,881	3,090	1,153,971
Central Guam Reservoirs	215,747	64,293	280,040
Line Replacement Phase IV	-	256,937	256,937
Northern DWWTP	19,409	5,403,190	5,422,599
Northern DWWTP (Land Purchase)	1,000,000	-	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	72,836	527,033	599,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Umatac Merizo WWTP	-	42,783	42,783
Groundwater Well Production Meter Rep.	-	151,207	151,207
	\$ 3,744,934	\$ 6,694,390	\$ 10,439,324

Future planned projects	FY2021
Water Wells	1,000,000
Water Dist Sys Pipe Replacement & Upgrades	1,500,000
	\$ 2,500,000

GUAM WATERWORKS AUTHORITY

Restricted and Unrestricted Cash Summary For months ending November 30, 2020 and December 31, 2020

SCHEDULE G

	Unaudited	Unaudited	Increase	Unaudited	Unaudited	Increase
Description	December 31, 2020	September 30, 2020	(Decrease)	November 30, 2020	September 30, 2020	(Decrease)
UNRESTRICTED						
Change Fund	2,000	2,000	-	2,000	2,000	-
Petty Cash	4,450	4,450		4,450	4,450	-
BOG Deposit Accounts	6,475,695	5,561,165	914,531	5,745,293	5,561,165	184,129
BOG O & M Reserve	25,259,097	25,689,390	(430,294)	25,258,886	25,689,390	(430,504)
BOG CapEx Fund Sub-total Unrestricted	10,490,088 42,231,330	11,222,407 42,479,412	(732,319)	10,602,119 41,612,748	11,222,407 42,479,412	(620,288)
Sub-total Offrestricted	42,231,330	42,479,412	(248,082)	41,612,746	42,479,412	(866,663)
RESTRICTED						
ANZ Bank	521	-	521	217	-	217
Bank Pacific	23,666	29,243	(5,577)	9,941	29,243	(19,302)
Bank of Hawaii	208,045	191,250	16,795	366,532	191,250	175,282
Community First FCU	5,604	1,976	3,628	2,126	1,976	150
First Hawaiian Bank	104,513	43,451	61,062	10,091	43,451	(33,359)
Bank Pacific Surcharge	844,275	420,680	423,595	910,030	420,680	489,350
Bank Pacific Escrow Deposit	805,804	842,331	(36,527)	805,777	842,331	(36,554)
BOG Customer Refunds	2,052,900	2,063,361	(10,461)	2,064,366	2,063,361	1,005
BOG Emergency Reserve Fund	6,244	6,243	-	6,244	6,243	-
BOG Sewer Hookup Revolving Fund	68,221	67,809	412	68,219	67,809	410
BOG Operation and Maintenance Fund	5,953,675	3,083,482	2,870,193	3,083,482	3,083,482	-
BOG Revenue Trust	515,572	254,619	260,952	512,526	254,619	257,907
BOG Revenue Trust Fund	3,427,679	7,929,291	(4,501,612)	5,569,435	7,929,291	(2,359,857)
BOG Capital Improvement Revenue Fund	5,595,739	5,361,363	234,376	5,595,693	5,361,363	234,330
	19,612,458	20,295,100	(682,643)	19,004,680	20,295,100	(1,290,420)
BOG - SDC Deposit	4,367,816	3,527,401	840,415	4,572,904	3,527,401	1,045,502
BOG - SDC CDs	5,300,000	6,250,000	(950,000)	5,250,000	6,250,000	(1,000,000)
Total SDC	9,667,816	9,777,401	(109,585)	9,822,904	9,777,401	45,502
Total Restricted	29,280,274	30,072,502	(792,228)	28,827,584	30,072,502	(1,244,918)
Reserve Funds						
	0.044.000	0.047.004	(4.700.004)	7.346.925	0.047.004	(4.004.000)
BOG Series 2013 Construction Fund	6,911,000	8,647,934	(1,736,934)		8,647,934	(1,301,009) 4
BOG Series 2014 Refunding Construction Fund	219,105	219,099	6	219,103	219,099	
BOG Series 2016 Construction Fund	65,903,124	68,518,206	(2,615,081)	67,608,786	68,518,206	(909,420)
BOG Series 2017 Refunding Construction Fund	5,570,397	6,206,732	(636,334)	5,752,751	6,206,732	(453,980)
BOG Series 2020A Construction Fund	123,122,635	400.077.054	123,122,635	123,077,728	400.077.054	123,077,728
BOG Series 2020A Capitalized Interest Fund	8,933,939	123,277,054	(114,343,114)	12,283,838	123,277,054	(110,993,215)
BOG Series 2020A Cost of Issuance Fund B20B- BOG COI Fund 184000	-	12,283,633 50,382	(12,283,633) (50,382)	46,547	12,283,633 50,382	(12,237,086) (50,382)
Total Restricted - Held by Trustee	210,660,201	219,203,039	(8,542,838)	216,335,679	219,203,039	(2,867,360)
Total Restricted - Held by Trustee	210,000,201	219,203,039	(0,342,030)	210,333,079	219,203,039	(2,007,300)
BOG OMRRRF Fund	17,423,213	17,423,213	-	17,423,213	17,423,213	-
USB Series 2013 Debt Service Fund	2,457,941	1,810,544	647,397	2,045,460	1,810,544	234,916
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-	12,031,688	12,031,688	
USB Series 2014 Refunding Debt Service Fund	1,995,144	1,048,374	946,770	1,679,553	1,048,374	631,178
USB Series 2014 Refunding Debt Service Reserve Fund	7,736,017	7,735,395	622	7,735,811	7,735,395	417
USB Series 2016 Debt Service Fund	5,567,042	2,815,863	2,751,179	4,649,978	2,815,863	1,834,115
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	31,556	31,556	-	31,556	31,556	-
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7.566.460	-	7.566.460	7,566,460	_
USB Series 2017 Debt Service Fund	3,754,304	1,902,205	1,852,099	3,136,935	1,902,205	1,234,730
USB Series 2020A Debt Service Reserve Fund	10,009,700	6,659,700	3,350,000	6,659,700	6,659,700	-,,- 50
USB Series 2020B Debt Service Reserve Fund	10	-	10	1,534,066	-,,	1,534,066
Total Investments	76,165,074	66,616,997	9,548,077	72,086,420	66,616,997	5,469,423
Total Restricted and Unrestricted Cash	358,336,879	358,371,949	(35,071)	358,862,431	358,371,949	490,482

Guam Waterworks Authority Accounts Receivable - Government (Active) December 31, 2020

SCHEDULE H-1

500011501 61, 2020	AGING													
	No. of									_				
Customer Name Autonomous Agencies (Active)	Accounts		Current	31	l - 60 days	6	1 - 90 days	91	- 120 days	O۱	ver 120 days		Total	
• , ,	7	\$	13,550	•	25 500	•	44.040	Φ.	6.444	•	007.404	•	297,245	
Guam Int'l Airport Authority Guam Power Authority	25	ф	190,523	\$	25,599	\$	14,819	\$	6,144	\$	237,134	ф	190,523	
Guam Memorial Hospital Authority	3		37.473		2.741		2.681		2.498		5.935		51.329	
Guam Housing & Urban Renewal Authority	9		9,523		15,773		505		2,490		5,955		25,802	
Guam Visitors Bureau	1		3,079		15,775		303		-		-		3,079	
	5		1,744		-				-		-		1,744	
Port Authority of Guam	5 1		38		-		-		-		-		38	
Guam Housing Corporation							-							
Total Autonomous Agencies	51	\$	255,930 44.92%	\$	44,114 7.74%	\$	18,006 3.16%	\$	8,642 1.52%	\$	243,068 42.66%	\$	569,760 100.00%	
Line Agencies			44.52%		1.14%		3.10%		1.52%		42.00%		100.00%	
Department of Education	52	\$	220,737	\$	219,198	\$	102,918	\$	10,751	\$	4,417	\$	558,021	
Mayors Council of Guam	60	•	23,421	•	28,087	-	22,755	*	8,686	•	66,657		149,607	
Department of Parks & Recreation	12		22,737		26,664		23,260		16,975		12,603		102,239	
Department of Public Works	12		21,202		23,872		21,827		16,896		7,109		90,906	
Department of Corrections	8		57,912		22.049				-				79,962	
Department of Agriculture	6		7,655		7,525		7,133		5,413		21,556		49,282	
Department of Chamorro Affairs	7		9,322		10,854		7,112		-		,		27,289	
Guam Police Department	8		6,582		6,080		4,532		3,268		1,792		22,254	
Guam Fire Department	11		7,261		7,285		2.283		-,		-,,,,,		16,829	
Sanctuary Inc	1		2.401		2,998		2,970		-		_		8,369	
Department of Public Health & Social Services	8		1,888		2,006		1,604		1,053		1,407		7,958	
University of Guam	46		4,234		-		-		-		-		4,234	
Department of Military Affairs/GUARNG	1		1.946		2.070		-		_		-		4,016	
Guam Solid Waste Authority	2		1,117		1,309		1.234		-		_		3,661	
Guam Veterans Affairs Office	2		1,374		1.002		496		_		-		2,872	
Office of Technology	1		544		520		369		259		346		2,038	
Office of The Governor	2		1,676		-		-		-		-		1,676	
Division of Senior Citizens, DPHSS	2		274		369		323		181		339		1,486	
Department of Customs & Quarantine	1		428		428		389		_		-		1,245	
Office of Civil Defense	2		481		548		-		_		-		1,029	
Department of Youth Affairs	3		922		29		_		-		-		951	
Guam Public Library	6		845		33		_		-		_		878	
Department of Administration	3		414		404		-		_		-		817	
Guam Energy Office	1		244		242		238		-		-		724	
Department of Agriculture-Fisheries	1		59		87		63		49		293		551	
Merizo Mayor's Office	1		58		218		69		32		121		498	
Guam Police Department	1		220		264		-		_		-		484	
Department of Mental Health And Substance	1		374		-		_		-		-		374	
Department of Mental Health	2		289		-		-		-		-		289	
The Office of The Dededo Mayor	1		89		96		_		-		-		185	
Vietnam Veteran of America	1		88		-		-		-		-		88	
Agat Mayor's Office	1		26		26		26		-		-		77	
Total Line Agencies	266	\$	396,820	\$	364,264	\$	199,603	\$	63,564	\$	116,639	\$	1,140,891	
Total Ellio Agenties		<u> </u>	34.78%	Ψ	31.93%		17.50%	Ψ	5.57%	Ψ	10.22%	Ψ	100.00%	
Total as of December 31, 2020 (Active)	317	\$	652,751	s	408,378	\$	217,609	\$	72,205	\$	359,708	\$	1,710,651	
Total as of December of, 2020 (Active)		Ψ	38.16%	Ψ	23.87%	_	12.72%	¥	4.22%	Ψ	21.03%	Ψ	100.00%	
			30.10%		23.01%		14.14%		4.22%		21.03%		100.00%	

Guam Waterworks Authority Accounts Receivable - Government (Active) November 30, 2020

SCHEDULE H-2

November 30, 2020	AGING												
	No. of												
Customer Name	Accounts		Current	31	- 60 days	6	1 - 90 days	91	- 120 days	Ov	er 120 days		Total
Autonomous Agencies (Active)													
Guam Int'l Airport Authority	7	\$	25,935	\$	21,918	\$	6,460	\$	6,144	\$	237,441	\$	297,898
Guam Power Authority	25		181,077		7,054		-		-		-		188,131
Guam Housing & Urban Renewal Authority	9		25,416		1,180		505		-		-		27,102
Guam Memorial Hospital Authority	3		4,013		2,681		2,498		5,935		-		15,127
Port Authority of Guam	5		2,313		1,256		· -		· -		-		3,569
Guam Visitors Bureau	1		3,173		-		-		-		-		3,173
Total Autonomous Agencies	50	\$	241,928	\$	34,089	\$	9,464	\$	12,079	\$	237,441	\$	535,000
•			45.22%		6.37%		1.77%		2.26%		44.38%		100.00%
Line Agencies													
Department of Education	52	\$	235,454	\$	91,603	\$	10,751	\$	4,417	\$	-	\$	342,226
Mayors Council of Guam	60		28,087		22,755		8,686		9,206		57,451		126,186
Department of Parks & Recreation	11		43,056		24,191		6,427		5,316		7,287		86,276
Department of Corrections	8		64,108		22,049		-		-		-		86,157
Department of Public Works	12		45,025		18,150		48		61		7,194		70,478
Department of Agriculture	6		7,525		7,133		5,413		4,930		18,121		43,121
Department of Chamorro Affairs	7		10,912		9,331		1,506		· -				21,749
Guam Police Department	8		7,575		4,955		4,174		3,439		10		20,153
Department of Military Affairs/GUARNG	1		9,969		-		´-		-		_		9,969
Guam Fire Department	11		7,285		2,283		_		-		-		9,569
Department of Public Health & Social Services	8		2,006		1,604		1,053		922		485		6,070
Sanctuary Inc	1		2,998		2,970		-		-		-		5,968
University of Guam	46		4,249		_,0.0		_		_		_		4,249
Department of Youth Affairs	3		1,046		935		1,224		_		_		3,205
Guam Solid Waste Authority	2		2,522		21		-		_		_		2,544
Guam Veterans Affairs Office	2		1,002		496		_		_				1,498
Office of Technology	1		520		369		259		229		117		1,494
Division of Senior Citizens, DPHSS	2		369		323		181		169		170		1,212
Department of Customs & Quarantine	1		428		389		-		-		-		817
Guam Public Library	6		512		213		-		-		-		725
	2				213		-		-		-		548
Office of Civil Defense	1		548 277		264		-		-		-		541
Guam Police Department	1		277 87		63		49		- 96		- 197		492
Department of Agriculture-Fisheries	1		481		-		49		90		197		481
Guam Energy Office	1				_		-		=		-		440
Merizo Mayor	•		218		69		32		121		-		
Department of Administration	2		404		-		-		-		-		404
Department of Mental Health And Substance	1		348		-		-		-		-		348
Department of Mental Health	2		339		-		-		-		-		339
Guam Environmental Protection Agency	2		208		-		-		-		-		208
The Office of The Dededo Mayor	1		96		-		-		-		-		96
Vietnam Veteran of America	1		80				-		-		-		80
Agat Mayor's Office	1		26		26		-		-		-		52
Total Line Agencies	264	\$	477,762	\$	210,193	\$	39,802	\$	28,906	\$	91,032	\$	847,695
-			56.36%		24.80%		4.70%		3.41%		10.74%		100.00%
Total as of November 30, 2020 (Active)	314	\$	719,690	\$		\$	49,266	\$	40,985	\$	328,473	\$	1,382,695
			52.05%		17.67%		3.56%		2.96%		23.76%		100.00%

GUAM WATERWORKS AUTHORITY Accounts Receivable Aging Summary by Rate Class As of December 31, 2020

SCHEDULE I

ACTIVE AND INACTIVE

				AGIN	G			
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	443	\$ 2,450,376	\$ 399,766	\$ 213,132	\$ 35,710	\$ 472,422 \$	3,571,406	16%
Agriculture	395	31,088	9,336	3,364	3,791	53,695	101,274	0%
Commercial I	2,636	1,179,806	177,073	57,511	32,049	398,340	1,844,780	8%
Commercial II	29	121,788	4,766	62	-	206,582	333,198	2%
Commercial III	297	713,664	118,881	21,274	15,517	354,296	1,223,631	6%
Golf Course	16	2,007	576	-	-	-	2,584	0%
Hotel	59	1,200,338	127,227	161,266	111,164	659,261	2,259,257	10%
Irrigation	33	3,110	303	234	171	1,899	5,717	0%
Residential	49,763	4,474,661	965,465	706,597	528,078	5,769,921	12,444,719	57%
	53,671	10,176,838	1,803,394	1,163,441	726,480	7,916,415	21,786,566	100%
		47%	8%	5%	30/-	36%		

Less Allowance for Doubtful Accounts: (8,503,526)
Net Accounts Receivable: 13,283,040

Days Receivables Outstanding

.

49

As of November 30, 2020

Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	442	\$ 2,424,297	\$ 261,073	\$ 57,226	\$ 48,620	\$ 434,319 \$	3,225,535	15%
Agriculture	393	35,538	8,976	5,101	3,457	55,297	108,368	0%
Commercial I	2,640	1,383,384	139,047	70,647	41,653	449,091	2,083,823	9%
Commercial II	28	210,837	12,192	11,054	12,133	259,163	505,379	2%
Commercial III	298	724,181	43,426	25,922	20,914	362,507	1,176,950	5%
Golf Course	16	1,861	364	_	-	-	2,225	0%
Hotel	59	1,141,303	161,266	111,164	238,388	535,303	2,187,425	10%
Irrigation	33	4,648	439	171	1,461	553	7,272	0%
Residential	49,670	4,922,900	1,036,643	652,888	521,582	5,569,094	12,703,105	58%
	53,579	10,848,949	1,663,427	934,174	888,208	7,665,326	22,000,081	100%
		49%	8%	4%	4%	35%		

Less Allowance for Doubtful Accounts: (8,352,533)
Net Accounts Receivable: 13,647,548

Days Receivables Outstanding

ACTIVE ONLY

ACTIVE ONLY				AGIN	I G			
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	434	\$ 2,450,321	\$ 388,927	\$ 204,886	\$ 31,936	\$ 465,317	\$3,541,386	20%
Agriculture	374	31,088	9,084	3,311	2,315	13,098	58,896	0%
Commercial I	2,423	1,175,140	173,985	53,854	28,094	214,626	1,645,699	9%
Commercial II	28	121,788	4,766	62	-	-	126,616	1%
Commercial III	281	713,424	117,616	20,587	15,463	279,867	1,146,956	7%
Golf Course	16	2,007	576	-	-	-	2,584	0%
Hotel	56	1,200,338	127,227	161,266	111,164	534,841	2,134,837	12%
Irrigation	32	3,110	303	234	171	604	4,422	0%
Residential	39,846	4,447,591	931,630	665,131	485,581	2,188,565	8,718,497	50%
	43,490	10,144,807	1,754,114	1,109,331	674,724	3,696,917	17,379,893	100%
		58%	10%	6%	4%	21%		

Less Allowance for Doubtful Accounts: (8,503,526)
Net Accounts Receivable: 8,876,367

As of Novemb	er 30, 2020							
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 9 days	-	Over 120 days	Total	
Government	432	\$ 2,412,827	\$ 252,827	\$ 53,4	152 \$ 48,620	\$ 427,214	\$3,194,940	18%
Agriculture	372	35,286	8,923	3,6	3,457	14,150	65,440	0%
Commercial I	2,424	1,379,082	135,519	64,9	37,482	265,161	1,882,181	11%
Commercial II	27	210,837	12,192	11,0	054 12,133	52,581	298,797	2%
Commercial III	284	723,034	42,403	24,9	919 20,914	288,112	1,099,381	6%
Golf Course	16	1,861	364			-	2,225	0%
Hotel	56	1,141,303	161,266	111,	164 238,388	410,882	2,063,004	12%
Irrigation	32	4,648	439		171 166	553	5,977	0%
Residential	39,809	4,856,901	999,998	615,8	379 483,680	2,037,045	8,993,502	51%
	43,452	10,765,779	1,613,930	885,2	202 844,840	3,495,698	17,605,448	100%
		649/	0.0	,	E0/ E0	/ 200/		

Less Allowance for Doubtful Accounts: (8,352,533)
Net Accounts Receivable: 9,252,915

GUAM WATERWORKS AUTHORITY Accounts Payable Aging

SCHEDULE J

As of	AGING												
	Current 31 - 60 Days 61 - 90 Days 91 - 120 Days > 120 Days Total							Days Payable Outstanding					
December 31, 2020	\$	1,835,615	\$	147,584	\$	36,547	\$	57,911	\$	381,242	\$	2,458,900	
		75%		6%		1%		2%		16%		100%	33
November 30, 2020	\$	1,840,702	\$	58,635	\$	294,325	\$	23,281	\$	493,971	\$	2,710,914	
		68%		2%		11%		1%		18%		100%	31
October 31, 2020	\$	1,807,095	\$	595,144	\$	53,223	\$	201,973	\$	376,471	\$	3,033,906	
		60%		20%		2%		7%		12%		100%	36

GUAM WATERWORKS AUTHORITY WATER DEMAND BY RATE CLASS FY2015 - FY2021

SCHEDULE K

As of December 31, 2020			AUDITED	UNAUDITED						
CLASS	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,615,910	-3%
C Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	704,289	-14%
F Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,842	38%
G Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	369,643	-10%
H Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	406,941	-43%
G Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,002	-66%
A Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	51,030	-40%
l Irrigation	10,385	11,351	10,143	8,504	7,896	-7%	8,654	10%	6,152	-29%
GRAND TOTAL	6,036,620	6,033,960	5,711,790	5,758,590	5,855,091	2%	5,757,733	-2%	5,157,810	-10%

As	of November 30, 2020			AUDITED	UNAUDITED						
CL	ASS	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2020 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)	FY2021 TOTAL CONSUMPTION (kGal)	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	1%	3,712,723	11%	3,733,838	1%
С	Commercial	1,020,089	1,022,890	964,639	910,905	906,192	-1%	822,029	-9%	730,771	-11%
F	Federal	1,168	1,180	2,508	1,813	1,602	-12%	1,338	-16%	1,864	39%
G	Government	515,974	475,366	448,430	450,165	405,980	-10%	408,502	1%	375,470	-8%
Н	Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	9%	714,161	-34%	398,381	-44%
G	Golf	6,850	6,770	5,252	2,741	2,793	2%	5,835	109%	2,254	-61%
Α	Agriculture	67,376	78,628	69,482	81,127	90,803	12%	84,492	-7%	53,779	-36%
I	Irrigation	10,385	11,351	10,143	8,504	7,896	-7%	8,654	10%	7,115	-18%
	GRAND TOTAL	6,036,620	6,033,960	5,711,790	5,758,590	5,855,091	2%	5,757,733	-2%	5,303,473	-8%



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Financial Statement Overview November 2020

There were 2,171 COVID-19 positive tests and 33 COVID-related fatalities reported during the month of November. Executive Order 2020-41 extended the public health emergency from November 29, 2020 to December 29, 2020. In early November, the Governor introduced the *Strive for Five* campaign to bring down our CAR (COVID Area Risk) score from 9.8 to 5 or less in hopes of moving the community towards some semblance of normalcy by Christmas. On November 30, 2020, the island's CAR score was at 4.2 and mass testing was available to the public at no charge at various locations throughout the island. Arrival of the COVID vaccine in December provides another tool that will lead to the reopening of the economy.

Due to large clusters of positive cases in the construction industry in early November, Department of Public Health had called a temporary shutdown of construction activities beginning November 14 requiring companies to submit COVID-19 plans before returning to their projects.

The Upper Tumon Office was closed on Friday, November 21 following the positive testing of an employee; the office reopened the following Monday. Strict protocols are followed to ensure safety of staff and customers. GWA cashier and customer service representative stations continue to be open to the public. Operations employees have been reporting to work observing safety precautions, while most other employees are teleworking.

About a third of customers continue to make payments in person. Using social media, GWA continues to encourage customers to conduct business online or via the phone. As part of this effort, GWA joined the *Going Online Together* campaign in June with several other organizations. Additionally, CARES funding was approved to customize an automated customer service online support portal on the GWA website.

On April 28th, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. Below is a summary of payments made and related fees exceeding the limit.

Month	Customer Count	Amount Paid	Fees	% of Fees to Payments
May - September 2020	140	\$241,335	\$4,952	2.05%
October 2020	33	\$62,173	\$1,250	2.01%
November 2020	23	\$47,555	\$956	2.01%

Year to Date consumption is 12% lower than last year while daily water consumption for the period is down 10% from 16,130 to 14,490 Kgals. Although residential consumption is up 7% for water and 1% for wastewater, reductions in commercial and hotel of 41% in water demand and 39% in wastewater flows offset those increases.

For the month of November, water consumption was down 15% and wastewater consumption was down 6% partially due to reduction of 3 days billed this year compared to last. While daily water consumption for residents increased by 8.2%, overall daily water consumption was down by 7.3%.

While some businesses and restaurants have shuttered, Governor Leon Guerrero posited that Guam could reopen to tourism in the first quarter of calendar 2021. Guam Visitors Bureau believes that the island could start seeing arrivals from around March to June 2021, but the 'significant' numbers aren't expected until July



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to September. GVB is exploring the possibility of a travel bubble arrangement with Taiwan. The Governor will be visiting Taiwan next year to help boost this plan. Meanwhile, most airlines have suspended flights to Guam until next year.

Schools continue to remain closed during PCOR 1. This impacts demand as GDOE has been one of GWA's top ten customers for both water and wastewater services. GDOE may have a limited opening of its elementary schools for in person classes in January; UOG and GCC are also considering reopening in a limited fashion. See Schedule K for Water Demand for FY2015 to FY2021.

As the recovery of Guam's economy is slower than expected, revenues are coming in below projections. A cost containment plan is being developed to address the revenue reductions. While sufficient cash reserves are in place, management will continue to assess the situation and make any course corrections required to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

Balance Sheet

- Total Assets & Deferred Outflows of Resources of \$1.129B in September 2020 decreased by \$3.3M or less than 1% to \$1.126B in November 2020. Current Assets decreased by \$2.5M primarily due to reductions in cash and federal receivables. Property, Plant and Equipment decreased by \$3.1M as accumulated depreciation increases outpaced increases in plant. Other Noncurrent Assets increased by \$2.6M primarily due to increases in investment balances. Cash on hand was calculated at 268 days. Schedule G contains a schedule of restricted and unrestricted cash and investments.
- Liabilities & Deferred Inflow of Resources of \$869.9M in September 2020 decreased by \$5.4M or 1% to \$864.5M in November 2020 primarily due to reductions in contractors payable offset by increases in interest payable.
- Accounts Receivable days were 49 in November 2020 and October 2020 and Accounts Payable days were 31 in November 2020 as compared to 36 in October 2020.

Statement of Operations and Retained Earnings

- Total Operating Revenues for November 2020 of \$8.2M were 13% or \$1.2M less than budget and 17% or \$1.6M less than November 2019 due to the impact of the COVID-19 public health emergency and offset by the 5% increase effective in March and October 2020.
- Year to Date Operating Revenues as of November 2020 of \$16.4M were also 13% below budget and prior year or \$2.5M less than budget and \$2.5M less than last year as well.
- Below is the percentage of operating revenues (water and wastewater) contributed by GWA's customer classes for the two months ended November 2020;

0	Residential	51.08%
0	Commercial	20.65%
0	Hotel	11.87%
0	Government of Guam	9.66%
0	Federal Government	6.26%
0	Agriculture, Golf Course, Irrigation	0.48%



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- Total Operating Expenses for November 2020 of \$7.0M were \$499K or 7% lower than budget. Total Operating Expenses for November 2020 were 2% or \$160.5K less than November 2019 with decreases in most expense categories.
- Year to Date Operating Expenses at November 2020 of \$13.8M were \$1.1M or 8% lower than budget. Year to Date Operating Expenses at November 2020 were \$537K or 4% less than last year's \$14.3M.
- Earnings from Operations for November 2020 of \$1.3M were 37% or \$740K less than budget and 54% or \$1.5M less than November 2019. Change in Net Assets for November 2020 of-\$3.3M were \$525K more than the \$2.8M budget mainly due to \$1.4M more in Grants offset by \$833K more in Non-Operating Expenses and 931K more than November 2019 due to \$3.2M more in grants offset by \$813K more in Non-Operating Expenses.
- Year to Date Earnings from Operations as of November 2020 of \$2.6M were 35% or \$1.4M less than budget and 43% or \$1.9 less than YTD Earnings as of November 2019. Year to Date Change in Net Assets as of November 2020 of \$2.1M were \$3.5M or 63% less than budget. Year to Date Change in Net Assets as of November 2020 were \$595K or 22% less than YTD as of November 2019 mainly due to \$3.2M more in Grants offset by \$1.9M more in Non-Operating Expenses.

Key Financial Indicators

Indicator	Target	October 2020	November 2020
DSC YTD			
 Per Section 6.12 of Indenture 	1.25	1.38	1.30
Per PUC / CCU	1.40	1.38	1.30
Days - Cash on Hand	120 days	271 days	268 days
Collection Ratio			
Month to Date	99%	90%	87%
Year to Date	99%	90%	89%
Days Billed	30 days	30 days	31 days
Account Receivable Days	30 days	49 days	49 days
Account Payable Days	45 days	36 days	31 days
Employee Count	400 FTE	376 FTE	374 FTE
Water Demand			
Month to Date	478,754	435,500	448,412
Year to Date	957,508	435,500	883,912
Wastewater Flow			
Month to Date	356,472	316,069	317,558
Year to Date	712,945	316,069	633,627
Water Customers	42,839	42,919	42,978
Wastewater Customers	29,805	29,259	29,403

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GUAM WATERWORKS AUTHORITY Balance Sheet November 30, 2020

SCHEDULE A

	Unaudited	Unaudited	Increase
ASSETS AND DEFERRED OUTFLOWS of RESOURCES	November 30, 2020	September 30, 2020	(Decrease)
Current Assets Cash			
Unrestricted (Schedule G)	41,612,748	42,479,412	(866,663)
Restricted Funds (Schedule G) Accounts Receivable Trade, Net of Allowance for Doubtful Receivables	28,827,584	30,072,502	(1,244,918)
of \$8,352,533 at Nov 30, 2020 and \$8,027,857 at Sep 30, 2020	13,647,548	12,562,276	1,085,272
Federal Receivable	6,926,819	8,168,373	(1,241,555)
Other Receivable	893,795	901,928	(8,132)
Materials & Supplies Inventory, Net of Allowance for Obsolescence of \$64,131 at Nov 30, 2020 and \$64,131 at Sep 30, 2020	4,553,736	4,804,463	(250,726)
Total Current Assets	96,462,230	98,988,953	(2,526,722)
Property, Plant and Equipment			
Utility plant in service			
Water system Wastewater system	378,645,875 480,533,485	378,487,752 480,533,485	158,123
Non-utility property	25,752,939	25,752,939	-
Total property	884,932,299	884,774,176	158,123
Less: Accumulated Depreciation	(347,350,430)	(343,114,822)	(4,235,607)
Land Construction Work in Progress	5,240,187 146,358,882	5,240,187 145,342,590	1,016,291
Property, Plant and Equipment, net	689,180,939	692,242,131	(3,061,192)
Other noncurrent assets and deferred charges			
Restricted cash (Schedule G)	216,335,679	219,203,039	(2,867,360)
Investments (Schedule G) Other Prepaid Expenses	72,086,420 2,410,252	66,616,997 2,615,782	5,469,423 (205,529)
Regulatory Assets	609,502	430,962	178,540
Total other noncurrent assets and deferred charges	291,441,853	288,866,779	2,575,074
Total Assets	1,077,085,022	1,080,097,863	(3,012,840)
D () 10 (_
Deferred outflows of resources Debt defeasance due to bond refunding	33,007,607	33,351,801	(344,194)
Deferred outflows from pension	9,057,499	9,057,499	-
Deferred outflows from OPEB	6,982,196	6,982,196	- (2.057.004)
Total Assets and Deferred Outflows of Resources	1,126,132,325	1,129,489,360	(3,357,034)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt Series 2013 Revenue Bond	2,990,000	2,695,000	295,000
Series 2013 Revenue Bond Series 2014 Refunding Bond	530,000	3,760,000	(3,230,000)
Series 2016 Revenue Bond	3,860,000	420,000	3,440,000
Series 2017 Refunding Bond Accounts Payable -Trade	2,040,000 2,711,351	- 2,701,944	2,040,000
Accounts Fayable - Hade Accrued and Other Liabilities	1,056,005	1,238,863	9,408 (182,858)
Interest Payable	11,423,876	6,304,598	5,119,279
Accrued Payroll and Employee Benefits	623,889	354,780	269,109
Current portion of employee annual leave Contractors' Payable	521,641 12,993,444	616,114 23,311,295	(94,473) (10,317,851)
Customer and Other Deposits	2,169,858	2,199,462	(29,605)
Total Current Liabilities	40,920,063	43,602,055	(2,681,992)
Long Term Debt, less current maturities			
Series 2013 Revenue Bond	24,350,000	24,645,000	(295,000)
Series 2014 Refunding Bond	64,610,000	61,380,000	3,230,000
Series 2016 Revenue Bond Series 2017 Refunding Bond	139,030,000 105,325,000	142,470,000 107,365,000	(3,440,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	(2,040,000)
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	42,202,825	42,515,523	(312,698)
Net pension liability Net OPEB obligation	49,593,171 62,656,405	49,593,171 62,656,405	-
Employee Annual Leave, Less Current Portion	1,273,668	1,179,195	94,473
Employee Sick Leave	1,226,702	1,226,702	-
Total Liabilities	831,262,834	836,708,051	(5,445,217)
Deferred inflows of resources:			
Contribution in Aid of Construction Deferred inflows from pension	67,608 1,444,744	67,608 1,444,744	-
Deferred inflows from OPEB	31,758,062	31,758,062	<u> </u>
Total Liabilities and Deferred Inflows of Resources	864,533,249	869,978,465	(5,445,217)
Net Assets	261,599,076	259,510,894	2,088,182
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,126,132,325	1,129,489,360	(3,357,035)
iotai Liabilities, Deletteu lilliows of Nesoulices dilu Net Assets	1,120,132,323	1,123,403,300	(3,397,035)

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending November 30, 2020

SCHEDULE B

	Month to Date		Variance
	Budget*	Actual (Unaudited)	Favorable /
	November-20	November-20	(Unfavorable)
OPERATING REVENUES			
Water Revenues	5,863,373	5,391,681	(471,692)
Wastewater Revenues	3,226,426	2,543,339	(683,087)
Legislative Surcharge Other Revenues	274,214 35,895	241,641 42,834	(32,574) 6,939
System Development Charge	77,442	18,923	(58,519)
Total Operating Revenues	9,477,350	8,238,418	(1,238,932)
OPERATING AND MAINTENANCE EXPENSES		-,,	(, ==,== /
Water Purchases	718,609	622,223	96,386
Power Purchases	1,082,131	992,697	89,435
Total Utility Costs	1,800,740	1,614,919	185,821
Out of the second Manager	4 700 004	4 550 507	040.004
Salaries and Wages Pension and Benefits	1,769,221 606,991	1,550,587 583,596	218,634 23,395
Total Salaries and Benefits	2,376,212	2,134,183	242,029
Capitalized Labor and Benefits	(308,333)	(250,364)	(57,969)
Net Salaries and Benefits	2,067,879	1,883,819	184,059
Administrative and General Expenses			
Sludge removal	116,907	96,344	20,563
Chemicals	166,196	121,860	44,336
Materials & Supplies	182,935	148,214	34,721
Transportation	52,298	51,930	368
Communications Claims	18,028	17,652	377 5,181
Insurance	5,181 78,685	78,330	355
Training & Travel	29,321	10,400	18.921
Advertising	11,346	2,222	9,124
Miscellaneous	89,396	75,425	13,971
Regulatory Expense	24,155	16,913	7,241
Bad Debts Provision	164,113	163,536	577
Total Administrative and General Expense	938,561	782,826	155,735
Depreciation Expense	1,855,919	2,118,121	(262,202)
Contractual Expense			
Audit & Computer Maintenance	102,904	101,629	1,275
Building rental	51,352	51,012	340
Equipment rental Legal	67,524 563	22,147	45,377 563
Laboratory	35,382	4,370	31,012
Other	267,774	131,280	136,495
Total Contractual Expense	525,500	310,437	215,062
Retiree Supp. Annuities and health care costs	233,386	210,987	22,398
Contribution to Government of Guam	48,546	50,333	(1,787)
Total Retiree Benefits	281,932	261,321	20,611
Total Operating Expenses	7,470,530	6,971,444	499,087
Earnings (Loss) from Operations	2,006,820	1,266,974	(739,845)
Interest Income - 2010/13/14/16/17/20 Series Bond Interest Income - Other Funds	128,299	2,360	(125,940)
Interest Income - Other Funds Interest Income - SDC	29,550 2,488	614 2,385	(28,936) (103)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,638,329)	(2,559,639)	78.690
Federal Expenditures	(2,000,023)	(46,499)	(46,499)
Amortization of Discount, Premium and Issuance Costs	(23,078)	156,349	179,427
Defeasance due to bond refunding	(22,439)	(172,097)	(149,658)
Total non-operating revenues (expenses)	(2,523,508)	(2,616,527)	(93,019)
Net Income (Loss) before capital contributions	(516,688)	(1,349,553)	(832,865)
Capital Contributions			
Grants from US Government	3,311,071	4,669,080	1,358,009
Total Capital Contributions	3,311,071	4,669,080	1,358,009
Change in Net Assets	2,794,383	3,319,527	525,144
Debt Service Calculation			
	2 006 820	1 266 074	
Earnings From Operations System Development Charge	2,006,820 (77,442)	1,266,974 (18,923)	
Retiree COLA	48,546	50,333	
Interest/Investment Income	29,550	614	
Depreciation	1,855,919	2,118,121	
Balance Available for Debt Service per Section 6.12	3,863,393	3,417,120	
Debt Service			
Principal	772,500	772,500	
Interest	1,996,663	1,847,251	
Total	2,769,163	2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.40	1.30	
Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.30	

^{*}Adjusted budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending November 30, 2020 and 2019

SCHEDULE C

	Month to Actual (Unaudited) November-20	Date Actual (Unaudited) November-19	Variance Increase / (Decrease)
OPERATING REVENUES			,
Water Revenues	5,391,681	6,083,338	(691,657)
Wastewater Revenues	2,543,339	3,411,853	(868,515)
Legislative Surcharge Other Revenues	241,641 42.834	310,948 33.699	(69,308) 9,135
System Development Charge	18,923	27,750	(8,827)
Total Operating Revenues	8,238,418	9,867,589	(1,629,170)
OPERATING AND MAINTENANCE EXPENSES		- / /	X / = = / = /
Water Purchases	622,223	471,939	150,284
Power Purchases	992,697	1,384,003	(391,306)
Total Utility Costs	1,614,919	1,855,942	(241,023)
Salaries and Wages	1,550,587	1,586,637	(36,050)
Pension and Benefits	583,596	504,296	79,300
Total Salaries and Benefits	2,134,183	2,090,933	43,250
Capitalized Labor and Benefits	(250,364)	(275,716)	25,352
Net Salaries and Benefits	1,883,819	1,815,217	68,602
Administrative and General Expenses			
Sludge removal	96,344	114,340	(17,996)
Chemicals	121,860	169,618	(47,759)
Materials & Supplies	148,214	155,494	(7,280)
Transportation	51,930 17,652	29,942 12,515	21,988 5 137
Communications Claims	17,652	12,515 8,500	5,137 (8,500)
Insurance	78.330	78,085	(6,500)
Training & Travel	10,400	6,672	3.728
Advertising	2,222	907	1,315
Miscellaneous	75,425	71,850	3,575
Regulatory Expense	16,913	8,319	8,595
Bad Debts Provision	163,536	196,075	(32,539)
Total Administrative and General Expense	782,826	852,317	(69,491)
Depreciation Expense	2,118,121	2,000,129	117,992
Contractual Expense	404.000		54.045
Audit & Computer Maintenance	101,629 51,012	49,684	51,945
Building rental Equipment rental	22,147	34,819 45,455	16,193 (23,308)
Legal	22,147	1,200	(1,200)
Laboratory	4,370	50,976	(46,606)
Other	131,280	184,392	(53,112)
Total Contractual Expense	310,437	366,526	(56,088)
Retiree Supp. Annuities and health care costs	210,987	191,480	19,507
Contribution to Government of Guam	50,333	50,334	(1)
Total Retiree Benefits	261,321	241,814	19,506
Total Operating Expenses	6,971,444	7,131,946	(160,502)
Earnings (Loss) from Operations	1,266,974	2,735,643 202.156	(1,468,669)
Interest Income - 2010/13/14/16/17/20 Series Bond Interest Income - Other Funds	2,360 614	56,767	(56,153)
Interest Income - SDC	2,385	12,255	(9,870)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(2,559,639)	(2,117,099)	(442,540)
Interest Expense - ST BOG	-	(8,238)	8,238
Federal Expenditures	(46,499)	-	(46,499)
Amortization of Discount, Premium and Issuance Costs	156,349	119,970	36,379
Defeasance due to bond refunding	(172,097)	(68,976)	(103,121)
Total non-operating revenues (expenses)	(2,616,527)	(1,803,164)	(813,363)
Net Income (Loss) before capital contributions	(1,349,553)	932,479	(2,282,032)
Capital Contributions	4.000.000	4 455 000	0.040.474
Grants from US Government Total Capital Contributions	4,669,080 4,669,080	1,455,906 1,455,906	3,213,174
Change in Net Assets	3,319,527	2,388,384	3,213,174 931,142
g		_,,,,,,,,	771,112
Debt Service Calculation	4.000.071	0.705.040	
Earnings From Operations System Development Charge	1,266,974 (18,923)	2,735,643 (27,750)	
Retiree COLA	50,333	50,334	
Interest/Investment Income	614	56,767	
Depreciation	2,118,121	2,000,129	
Balance Available for Debt Service per Section 6.12	3,417,120	4,815,123	
Working Capital Reserve Available for Debt Service	-	-	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve		-	
Balance Available for Debt Service inclusive of reserves	3,417,120	4,815,123	
Debt Service	770 500	700 000	
Principal Interest	772,500	730,833	
Total	1,847,251 2,619,751	2,117,099 2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.30	2,647,932 1.69	
Debt Service Coverage (1.40X) (PUC)	1.30	1.03	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.00	1.69	
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GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending November 30, 2020

SCHEDULE D

	Year to Date		Variance
	Budget* November-20	Actual (Unaudited) November-20	Favorable / (Unfavorable)
OPERATING REVENUES			(5)
Water Revenues	11,726,746	10,632,593	(1,094,154)
Wastewater Revenues	6,452,851	5,123,371	(1,329,480)
Legislative Surcharge Other Revenues	548,428	477,743	(70,685)
System Development Charge	71,790 154,884	59,745 118,701	(12,044) (36,183)
Total Operating Revenues	18,954,700	16,412,153	(2,542,546)
OPERATING AND MAINTENANCE EXPENSES	10,001,100	10,112,100	(2,0 12,0 10)
Water Purchases	1,437,218	1,244,445	192,772
Power Purchases	2,164,263	1,981,398	182,865
Total Utility Costs	3,601,481	3,225,843	375,637
Salaries and Wages	3,538,441	3,097,748	440,693
Pension and Benefits	1,213,983	1,172,057	41,926
Total Salaries and Benefits	4,752,424	4,269,805	482,620
Capitalized Labor and Benefits	(616,667)	(583,139)	(33,528)
Net Salaries and Benefits Administrative and General Expenses	4,135,757	3,686,666	449,092
Sludge removal	263,814	223,869	39,945
Chemicals	393,391	326,769	66,622
Materials & Supplies	345,871	199,709	146,162
Transportation	90,595	90,161	434
Communications	29,057	28,268	789
Claims	10,361	-	10,361
Insurance	156,871	156,661	210
Training & Travel	9,142	7,757	1,385
Advertising	22,692	6,892	15,800
Miscellaneous	178,792	158,422	20,371
Regulatory Expense	48,309 328.226	25,872 324,674	22,438
Bad Debts Provision Total Administrative and General Expense	1,877,122	1,549,053	3,552 328,068
Depreciation Expense	3,711,839	4,235,607	(523,769)
Contractual Expense		1,200,001	(020,100)
Audit & Computer Maintenance	207,808	206,960	848
Building rental	88,704	88,483	221
Equipment rental	147,048	74,534	72,514
Legal	1,125	-	1,125
Laboratory	70,765	11,870	58,894
Other Total Contractual Evacuas	535,549 1,050,999	215,950 597,797	319,599 453,202
Total Contractual Expense Retiree Supp. Annuities and health care costs	466,771	412,260	54,511
Contribution to Government of Guam	97,092	100,667	(3,575)
Total Retiree Benefits	563,863	512,927	50,936
Total Operating Expenses	14,941,061	13,807,894	1,133,167
Earnings (Loss) from Operations	4,013,639	2,604,260	(1,409,379)
Interest Income - 2010/13/14/16/17/20 Series Bond	256,599	4,478	(252,121)
Interest Income - Other Funds	59,101	1,214	(57,886)
Interest Income - SDC	4,975	10,366	5,391
Interest Expense - 2010/13/14/16/17/20 Series Bond	(5,276,658)	(5,119,279)	157,380
Federal Expenditures Amortization of Discount, Premium and Issuance Costs	- (46 155)	(55,797)	(55,797)
Defeasance due to bond refunding	(46,155) (44,877)	310,948 (344,194)	357,103 (299,317)
Total non-operating revenues (expenses)	(5,047,016)	(5,192,263)	(145,248)
Net Income (Loss) before capital contributions	(1,033,377)	(2,588,004)	(1,554,627)
Capital Contributions			
Grants from US Government	6,622,143	4,669,080	(1,953,063)
Grants from GovGuam & Others	0.000.440	7,106	7,106
Total Capital Contributions Change in Net Assets	6,622,143 5,588,766	4,676,186 2,088,182	(1,945,957) (3,500,584)
-			
Debt Service Calculation	4 042 620	2 604 260	
Earnings From Operations System Development Charge	4,013,639	2,604,260	
Retiree COLA	(154,884) 97,092	(118,701) 100,667	
Interest/Investment Income	59,101	1,214	
Depreciation	3,711,839	4,235,607	
Balance Available for Debt Service per Section 6.12	7,726,786	6,823,047	
Debt Service			
Principal	1,545,000	1,545,000	
Interest	3,993,325	3,694,503	
Total Dobt Service Coverage (1.25Y) - per Section 6.12 (Indenture)	5,538,325	5,239,503	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture) Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.40	1.30 1.30	
Debt Delvice Coverage (1.40A) inclusive of reserves (FUC)	1.40	1.30	

^{*}Adjusted budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending November 30, 2020 and 2019

SCHEDULE E

, ,	Year to Actual (Unaudited) November-20	Date Actual (Unaudited) November-19	Variance Increase / (Decrease)
OPERATING REVENUES			,
Water Revenues Wastewater Revenues	10,632,593	11,584,547	(951,954)
Legislative Surcharge	5,123,371 477,743	6,539,923 595,809	(1,416,551) (118,066)
Other Revenues	59,745	70,607	(10,862)
System Development Charge	118,701	89,938	28,763
Total Operating Revenues	16,412,153	18,880,824	(2,468,671)
OPERATING AND MAINTENANCE EXPENSES Water Purchases	1,244,445	943,878	300,567
Power Purchases	1,981,398	2,715,318	(733,920)
Total Utility Costs	3,225,843	3,659,196	(433,353)
0.1.1	2 007 740	0.047.000	(4.40, 005)
Salaries and Wages Pension and Benefits	3,097,748 1,172,057	3,247,633 1,051,396	(149,885) 120,661
Total Salaries and Benefits	4,269,805	4,299,029	(29,224)
Capitalized Labor and Benefits	(583,139)	(551,432)	(31,707)
Net Salaries and Benefits	3,686,666	3,747,597	(60,931)
Administrative and General Expenses Sludge removal	223,869	232,345	(8,476)
Chemicals	326,769	359,222	(32,453)
Materials & Supplies	199,709	318,948	(119,239)
Transportation	90,161	71,838	18,323
Communications Claims	28,268	26,328 8,500	1,940 (8,500)
Insurance	156.661	155,946	715
Training & Travel	7,757	18,748	(10,991)
Advertising	6,892	2,191	4,701
Miscellaneous	158,422	125,442	32,980
Regulatory Expense Bad Debts Provision	25,872 324,674	19,672 376,569	6,200 (51,894)
Total Administrative and General Expense	1,549,053	1,715,748	(166,694)
Depreciation Expense	4,235,607	3,997,834	237,773
Contractual Expense	000 000	05.040	444.044
Audit & Computer Maintenance Building rental	206,960 88,483	95,916 70,604	111,044 17,879
Equipment rental	74,534	167,695	(93,160)
Laboratory	11,870	61,373	(49,503)
Other	215,950	347,567	(131,617)
Total Contractual Expense	597,797 412,260	743,154 380,990	(145,357) 31,270
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	100,667	100,668	(1)
Total Retiree Benefits	512,927	481,658	31,269
Total Operating Expenses	13,807,894	14,345,186	(537,292)
Earnings (Loss) from Operations	2,604,260 4,478	4,535,638	(1,931,379)
Interest Income - 2010/13/14/16/17/20 Series Bond Interest Income - Other Funds	1,214	431,783 116,561	(427,305) (115,347)
Interest Income - SDC	10,366	25,446	(15,080)
Interest Expense - 2010/13/14/16/17/20 Series Bond	(5,119,279)	(4,234,198)	(885,081)
Interest Expense - ST BOG	- (55.707)	(11,574)	11,574
Federal Expenditures Amortization of Discount, Premium and Issuance Costs	(55,797) 310,948	239,940	(55,797) 71,008
Defeasance due to bond refunding	(344,194)	(137,951)	(206,243)
Prior Year Adjustment		261,860	(261,860)
Total non-operating revenues (expenses) Net Income (Loss) before capital contributions	(5,192,263)	(3,308,133)	(1,884,130)
Net income (Loss) before capital contributions Capital Contributions	(2,588,004)	1,227,505	(3,815,509)
Grants from US Government	4,669,080	1,455,906	3,213,174
Grants from GovGuam & Others	7,106		7,106
Total Capital Contributions	4,676,186	1,455,906	3,220,280
Change in Net Assets	2,088,182	2,683,411	(595,229)
Debt Service Calculation			
Earnings From Operations	2,604,260	4,535,638	
System Development Charge	(118,701)	(89,938)	
Retiree COLA	100,667	100,668	
Interest/Investment Income Depreciation	1,214 4,235,607	116,561 3,997,834	
Balance Available for Debt Service per Section 6.12	6,823,047	8,660,763	
Working Capital Reserve Available for Debt Service	-	1,932,600	
Transfer to Working Capital - Debt Service Reserve	=	-	
Transfer to Working Capital - O&M Reserve	- 0.000.047	40 500 000	
Balance Available for Debt Service inclusive of reserves Debt Service	6,823,047	10,593,363	
Principal	1,545,000	1,461,667	
Interest	3,694,503	4,234,198	
Total	5,239,503	5,695,865	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture) Debt Service Coverage (1.40X) (PUC)	1.30	1.52	
Debt Service Coverage (1.40x) (POC) Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.30	1.86	
• (·) · · · · · · · · · · · · · · · · ·			D



"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. 06-FY2021

Relative to Change Order #5 to Contract 811-OS Approval for the Asan-Adelup-Hagatna, Route 1 Sewer Rehabilitation and Replacement Phase 1, Project S-15-002-EPA (Construction Contract with InfraTech International, LLC.)

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

The objective of this project is to improve the sewer collection system, which includes rehabilitating, repairing and/or replacing sewer manholes and gravity sewer lines along Route 1 from Adelup to Hagatna. These sewer infrastructure elements have been identified by GWA, through a Sanitary Sewer Evaluation Survey. Successful completion of this project will result in proper maintenance and operation of the sewer collection system and USEPA agrees that efforts to rehabilitate, repair or replace the sewer lines are necessary. The Change Order is necessary to add additional time and commensurate compensation for by-pass pumping and other unforeseen obstructions encountered during construction such as buried existing utilities, work hour restrictions by the Department of Public Works, archaeological discoveries, and extensive AC pipe repairs.

Where is the location?

This project is located along Route 1, from Adelup to the Agana Main Pump Station in Hagatna at the Chamorro Village. Construction activities are limited to the government easements or the sewer infrastructure elements.

How much will it cost?

The original contract award amount was Six Million Two Hundred Seventy-Five Thousand Seven Hundred Eighty-Two Dollars and Eighty-Eight Cents (\$6,275,782.88). There have been four (4) previous change orders issued under this contract totaling Four Hundred Seventy-Nine Thousand Two Hundred Sixty Dollars and Eleven Cents (\$479,260.11). The current total contract amount is, therefore, Six Million Seven Hundred Fifty-Five Thousand Forty-Two Dollars and Ninety-Nine Cents (\$6,755,042.99). Resolution 44-FY2018 authorized a maximum contract expenditure of Six Million Nine Hundred Three Thousand Three Hundred Sixty-Seven Dollars and Seventeen Cents (\$6,903,367.17), (\$6,275,782.88 bid amount plus \$627,578.29 contingencies). Change Order #5 is in the amount of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93). Approval of Change Order #5 will bring the contract total amount to Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42) which exceeds the amount authorized by Resolution 44-2018 by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25).

GWA management requests CCU approval to increase the contract maximum amount by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to enable GWA to execute the needed Change Order #5. The total authorized funding amount for this contract will then become Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).

When will it be completed?

The construction contract length of this project is increased by 205 calendar days by Change Order #5. Estimated completion of construction will be March 2021.

What is the funding source?

The funding for this project will be from USEPA SRF Grant Funds and, if necessary, GWA Bond Funds with a maximum project budget of Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42).

4 5

CONSOLIDATED COMMISSION ON UTILITIES

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

RESOLUTION NO. 06-FY2021

RELATIVE TO APPROVAL OF CHANGE ORDER NO.5 TO CONTRACT 811-OS FOR THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT PHASE 1, PROJECT S15-002-EPA

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

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

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to improve the sewer collection system, which included gravity sewer line along Route 1, from the Asan "War in the Pacific" National Historical Park to the Agaña Main Pump Station; and,

WHEREAS, GWA has awarded contract No. 811-OS to InfraTech International, LLC to rehabilitate the gravity sewer from Asan to the Asan Pump Station in accordance with Resolution 44-FY2018 in the amount of Six Million Two Hundred Seventy-Five Thousand Seven Hundred Eighty-Two Dollars and Eighty-Eight Cents (\$6,275,782.88) funded by the USEPA grant; and

WHEREAS, Resolution 44-FY2018 authorized contingency funds in the amount of Six Hundred Twenty-Seven Thousand Five Hundred Seventy-Eight Dollars and Twenty-Nine Cents (\$627,578.29) for this contract, making the maximum authorized expenditure for this contract Six Million Nine Hundred Three Thousand Three Hundred Sixty-Seven Dollars and Seventeen Cents (\$6,903,367.17); and,

 WHEREAS, GWA has executed four change orders under this contract totaling Four Hundred Seventy-Nine Thousand Two Hundred Sixty Dollars and Eleven Cents (\$479,260.11); and,

WHEREAS, unforeseen conditions such as buried existing utilities, work hour restrictions by the Department of Public Works, archaeological discoveries, and extensive AC pipe repairs have caused delays impacting the contractor and adding expense for maintaining by-pass pumping for longer durations requiring execution of a change order (No.5) (Exhibit A); and,

WHEREAS, GWA and USEPA agree that the additional cost of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93) is fair and reasonable for Change Order No.5 (Exhibit B); and

WHEREAS, the maximum contract amount authorized by Resolution 44-FY2018 is insufficient to execute Change Order No.5 in the amount of One Hundred Sixty-Eight Thousand Seven Hundred Thirty-Seven Dollars and Ninety-Three Cents (\$168,737.93); and,

WHEREAS, an additional Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to the maximum authorized amount of the contract is needed to execute Change Order No.5; and,

WHEREAS, GWA Management seeks CCU approval to 1) execute Change Order No.5 and 2) to increase the maximum authorized contract amount by Twenty Thousand Four Hundred Nineteen Dollars and Twenty-Five Cents (\$20,419.25) to Six Million Nine Hundred Twenty-Three Thousand Seven Hundred Eighty Dollars and Forty-Two Cents (\$6,923,780.42); and

WHEREAS, funding for this project will be from the USEPA State Revolving Funds and, if necessary, GWA Bond funds;

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 to	erms of Change Order No.5 for InfraTech International,
LLC fair and reasonable.	
3. The CCU hereby authorize	zes the management of GWA to approve Change Order
No.5 in the amount of One	e Hundred Sixty-Eight Thousand Seven Hundred Thirty-
Seven Dollars and Ninety	r-Three Cents (\$168,737.93) (Exhibit B).
4. The CCU hereby further a	authorizes increasing the maximum total contract amount
for InfraTech Internation	al, LLC by Twenty Thousand Four Hundred Nineteen
Dollars and Twenty-Five	Cents (\$20,419.25) to Six Million Nine Hundred Twenty-
Three Thousand Seven	n Hundred Eighty Dollars and Forty-Two Cents
(\$6,923,780.42).	
5. The CCU further approve	es management to duly notify the PUC that this contract
exceeds One Million Doll	lars (\$1,000,000.00), and is funded primarily by USEPA
grant funds and, if necessar	ary, GWA Bond Funds.
6. The CCU hereby approve	es the use of USEPA grant funds and, if necessary, GWA
Bond funds as the funding	g source.
	certifies and the Board Secretary attests to the adoption
this Resolution.	
DULY AND DECULARLY AF	ODTED this 20th day of January 2021
DULY AND REGULARLY AL	DOPTED , this 26 th day of January, 2021.
Certified by:	Attested by:
JOSEPH T. DUENAS	MICHAEL T. LIMTIACO
Chairperson	Secretary
,	
	3

1			SECRETARY'S C	CERTIFICATE
2				
3		I, Michael T. Limtiac	o, Board Secretary of the	e Consolidated Commission on Utilities a
4		evidenced by my sign	ature above do hereby ce	ertify as follows:
5				
6				of the resolution duly adopted at a regula
7		meeting by the memb	pers of the Guam Conso	lidated Commission on Utilities, duly and
8				dvertised at which meeting a quorum wa
9		present and the memb	ers who were present vot	ted as follows:
10				
11		AYES:		
12				_
14		NAYS:		
15		ABSENT:		<u> </u>
16		ABSTAIN:		
17				
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25	,,,,			
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27 28				
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32	///			
			4	
			4	

Exhibit A



Website: www.dcaguam.com Email: dca@dcaguam.com

September 17, 2020

John Riegel Brown and Caldwell 671-300-4230

Via:

Email: jriegel@BrwnCald.com

Ref:

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement. GWA Project

No. S15-002-EPA

Subject:

Time Extension Request No. 2 and CO Various Items

Sir,

This letter is to provide the Resident Project Representatives (RPR) response to Infratech International's (contractor) subject change order request. This letter is provided to present the contractors fee and justification for work. Attached to the letter is a simple narrative of events and the contractor's fee breakdown.

Time Extension Request

1. Archaeologist	20 Working Days
2. Waterline	26 Working Days
Sewer Manhole Replacement	14 Working Days
4. Unidentified Underground Utility Impact	44 Working Days
5. Abatement of AC Pipe	59 Calendar Days
Total Time Extension Request No. 2	205 Calendar Days

Total No. of Calendar Days:

Is the sum of Abatement of AC Pipe and No. of Calendar Days for items 1 thru 4 multiply by week-end multiplier.

= 104 (7/5) + 59

= 205 Calendar Days

Total time extension request: 205 days

Recommendations

September 18, 2020

The following table summarizes DCA's recommendation for the subject change order requests. The amounts listed are the result of several negotiation sessions with the contactor. The items listed below cover all time extension requests up to June 23, 2020 and all change orders requested up to May 28, 2020.

Change Order Request Table

1,	Utilities	\$ 33,350.98
2.	Sewer Re-Alignment with Deflection	\$ 7,127.64
3.	Nighttime Work	\$ 23,658.30
4.	Bypass (127 days) \$823.63	\$ 104,601.01
Total		\$ 168,737.93

Cost Change Order: \$168,737.93

Regards,

Kenneth M. Rekdahl, PE

Dueñas, Camacho and Associates Resident Project Representative

Att:

Supporting Information



Website: www.dcaguam.com Email: dca@dcaguam.com

September 17, 2020

Project: Rt 1 Sanitary Sewerline Replacement/Rehabilitation with CIPP

Subject: Time Extension Request No. 2- DCA Review

This time extension request no. 2 covers the work completed from June 08, 2019 to July 23, 2020. DCA basis of the review was the information gathered from the contractor's production reports. The works completed are the following:

- 1. Point Repair #1 at SMH 1402 SMH 18
- 2. Point Repair #2 at SMH 18 SMH 19
- 3. Point Repair #3 at SMH 20 SMH 20A
- 4. Point Repair #4 at SMH 20A SMH 1368
- 5. Point Repair #5 at SMH 1368 SMH 1369

This review is based on InfraTech International, LLC Time Extension Request 2 dated March 24, 2020 and August 3, 2020. (See Attachment A)

1. Archaeologist

The contract documents (plan sheet G-003 General Construction Note 8) require the contractor to Give a 72-hour notice to HDR (Engineer) to provide for archaeological monitoring of all excavations. Due to non-availability of the archaeological representative, the contractor had to reschedule, resulting in delays.

Twenty (20) working days for archaeological monitoring impact. See Attachment B for reference.

2. Waterline

Asbestos waterline was discovered adjacent to the sewerline when the contractor was performing Point Repair No. 2 between SMH 18 – SMH 19. In order to relocate the waterline, GWA executed a Change Order No. 2 as Time and Material. The work started at the time when the waterline was exposed on November 8, 2019, to pouring of flowable fill on February 4, 2020. During the months of November 2019, and January 2020, the contractor worked on both waterline and sewerline. Subsequently, while waiting for the approval of the change order in December 2019, the contractor diverted their activities such as reconstructing concrete collar, replacing manhole frame and covers, and fixing the violation issued by DPW. The number of days worked for the waterline are as follows: November 2019 (14 days), December 2019 (4 days), January 2020(7 days) and February 2019 (1 day)

Additional twenty-six (26) working days for waterline impact.

Found ACP waterline	1
Waiting for price proposal	5
Waiting for GWA material	4
Excavation/Hydro Excavation	5

September 17, 2020

Reroute waterline	2
ACP abatement	1
Fixing Leak	1
Install Waterline	3
Compaction	3
Flowable Fill	1
Waterline Impact	26 Working Days

3. SMH Replacement

SMH replacement for SMH 1402, SMH 1401 and SMH 1400A is executed under Change Order No.1. During the excavation, the contractor found out that the base of the manholes is 3-foot thick. Due to the unexpected condition the contractor had to bring in a rock breaker which is not included in the cost proposal and had to excavate deeper. This resulted in delays. Three (3 days) for rock breaker, nine (9 days) for installation, and two (2 days) while waiting on COVID-19 decision to proceed.

Additional fourteen (14) working days for SMH replacement impact.

4. Unidentified Underground Facility Impact

The work was stopped on June 25 – September 18, 2019 to accommodate the discussion with the utility companies at Point Repair #1 between SMH 1402 – SMH 18. The work was stopped again on March 6 and March 11, 2020, due utility markings and installation of line guards at Point Repair #6 between SMH 1390 – SMH 1391 also known as Ramona Street.

The 0.5 days are the days associated in working around the utilities. (See Attachment B)

Additional forty-four (44) working days is for unidentified underground facility impact at Point Repair Nos. 1, 2 & 6.

Hydro Excavation/Install trench shield	4
Install 12-inch PVC Pipe	10
GTA Utility Coordination at Point Repair #1	**9
Waiting for GTA Markings at Point Repair #1	**8
Point Repair #2 SMH 18 – SMH 19	11
Waiting for Utit. Markings and Line Guards at Point Repair #6 SMH	**2
1390 – SMH 1391 (Ramona St.)	
Unidentified Underground Facility Impact	44 Working Days

^{**} Not included in bypass cost.

5. **Abatement of AC Pipe-**The contractor is claiming 15 additional days for every 80-foot section of abatement work as requested in their March 24, 2020 letter. The basis of this request is the condition of the AC Pipe is typically deteriorated to the point where the crown of the pipe is gone and soil and debris have accumulated on the pipeline. This accumulation required cleaning of material inside the AC Pipe that were not anticipated by the contractor at the time of bid. While removal of the AC Pipe is in the scope and the contract documents place this requirement on the contractor, the contractor's position

2

is that this was not the anticipated condition. Through negotiations with the contractor we have agreed to allow for additional time, but no addition cost for this request.

Additional fifty-nine (59) calendar days is recommended for abatement of AC pipe impact for Point Repairs No. 1-5.

Point Repair #1 at SMH 1402 – SMH 18	80
Point Repair #2 at SMH 18 – SMH 19	70
Point Repair #3 at SMH 20 – SMH 20A	87
Point Repair #4 at SMH 20A – SMH 1368	34
Point Repair #5 at SMH 1368 – SMH 1369	43
Total no. of days	$314 \div 80 = 3.92 \text{ x } 15 \text{ days} = 59 \text{ days}$
Recommended Abatement of AC Pipe Impact	59 Calendar Days

Summary:

Description	InfraTech Intl.	DCA
1. Archaeologist	40	20
2. Waterline	52	26
3. Sewer Manhole Replacement	30	14
4. Unidentified Underground Facility Impact @	70	
Point Repair #1 between SMH 1402 – SMH 18		31
Point Repair #2 between SMH 18- SMH 19		11
Point Repair #6 between SMH 1390 – SMH 1991		2
Total Working Days:		104
Total No. of Calendar Days:		
= 104 x 7/5 (Weekend Multiplier)		
= 146 Calendar Days		146
5. Abatement of AC Pipe at 5 locations Point Repair#1 at SMH 1402-SMH18 Point Repair #2 at SMH 18-SMH19 Point Repair #3 at SMH 20 – SMH 20A Point Repair #4 at SMH 20A – SMH 1368 Point Repair # 5 at SMH 1368 – SMH 1369 Grand Total No. of Calendar Days: Is the sum of Abatement of AC Pipe and No. of Calendar Days for items 1 thru 4. = 146 + 59 = 205 Calendar Days	*15 *15	15 13 16 7 8
200 Calchau Dajo	222 Calendar Days	205Calendar Days
Recommended Time Extension Request No. 2		205 Calendar Days

^{*}ITI abatement of AC Pipe is only for Point Repair # 1 and 2.

September 17, 2020

The evaluation of archaeological impacts, waterline impacts, SMH replacement, and unidentified underground facility impact were all in working days. To include weekends and holidays the total no. of working days were multiplied by weekend/holiday multiplier of 7/5 to get the total number of calendar days.

Given the information provided above, DCA recommends adding an additional 205 calendar days the contractor schedule. Of these days 127 days (205-59-9-8-2=127) will be allowed for addition bypass cost.

Attachment A IFI Time Extension Request 2 Dated March 24 and August 3, 2020



August 3, 2020

Kenneth M. Rekdahl Dueñas, Camacho and Associates Resident Project Representative 238 East Marine Corps Drive, Suite 201 Hagatña, Guam 96910

Via: Email: kmrekdahl@dcaguam.com

Ref.: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement; GWA Project No.: \$15-002-EPA

Subject: Time Extension Request - 2

Dear Mr. Rekdahl:

InfraTech acknowledge receipt of your letter date July 7, 2020 on July 22, 2020. Please see the below responses to items in the same chronological order for your convenience:

1. Archeologist

Contractor gave 72-hour prior to commencing excavation as stated in the contract documents and informed both RPR and EOR that the excavation is a continuous process subject to the weather and any unknow conditions that InfraTech may encounter in the process of executing the work.

Based on the information and records, ITI could not continue the work on September 17, 20, 21, 22, 23, 24 & 25, 2019 (CPRs #109, 112, 113, 114, 115, 116, 117), October 24, 25, 26, 27, 28, 29, 30 & 31, 2019 (CPRs #150, 151, 152, 153) and November 1, 2, 3, 4, 5 & 6, 2019 (CPRs #154, 155, 156, 157, 158, 159). Due to uncertainty of availability of Archeologist, ITI's employees left the company and lost 2 additional days (CPRs #174 & 175) to find replacement. ITI was once again forced to stop the work due to the unavailability of Archeologist from January 15, 2020 to January 21, 2020. ITI lost <u>30</u> calendar days beyond its control due to the unavailability of Archeologist.

2. Water Line

Point repair work schedule is part of the critical path. Since the work done by InfraTech while waiting for the approval is non-critical work this duration, removing the days InfraTech spent to perform this work is not reasonable. As such, InfraTech is requesting to accept its request for a time extension of <u>52</u> calendar days for the delays beyond its control.



3. SMH Replacement

InfraTech gave proposal for the SMH replacement on September 16, 2019 and signed the Change Order on October 08, 2019. InfraTech agreed for cost only change order expecting that the change order will be processed immediately, and we will be able to continue the work while we are still working between SMHs 1402 and 1401. However, by the time we received the change order, we moved from that location and started point repair throwing the SMH replacement work into critical path. As per the DCA's computation, it took 41 calendar days to complete this work. However, InfraTech is only requesting for additional <u>30</u> calendar days only. As such, we are requesting to grant 30 days' time extension for this item.

4. Abatement of ACP Pipe

We requested for 15 days of additional time for every 80 feet because abatement of hazardous materials requires non-conventional methods to expose the pipe slowing down the production unlike removing an existing non-hazardous pipe. This is evident based on the pipe (PVC) removal between MHs 1399 and 1400. InfraTech asked for additional time for abatement work in the proposal and our proposal was accepted. As of August 3, 2020, InfraTech has abated a total 315 feet (approx.) resulting in **59** calendar days.

5. Unidentified Underground Facility Impact

Once again, point repair is a critical path item because it requires bypass pumping, which got struck at SMH 1401B for extended period. InfraTech had two separate crews, one for point repairs and one for the pipe replacement. While waiting for the resolution, InfraTech performed non-critical items instead of going on standby and the 2nd crew was assigned to another project. The work was stopped at this location from June 22, 2019 to September 17, 2019 held on to the bypass pump(s) limiting our activities. We discussed about the impact multiple times in the weekly meetings. Therefore, ITI's request for time extension to mitigate the impact is valid and reasonable. InfraTech lost total of <u>87</u> calendar days while GWA is coordinating with the GTA to find most economical solution. After making several unsuccessful attempts to work with GTA, RPR has informed us to restart the work and RPR rather work with the contractor than GTA because the discussion is not progressing.

After having several meetings with the utility company, the RPR directed ITI to proceed with the work by widening the width of the trench to overcome the obstructions caused by the unknown underground facility. This not only increased the excavation quantity, but also backfilling and flowable fill quantities. In the submitted proposal, ITI asked for 15 calendar days for the 80-foot section. To date, ITI had completed the spot repair in 2 areas. The total impact of the unidentified underground facility due to the need to widen the trench is <u>30</u> calendar days.

Based on the General Conditions Sections 5.04.A and 5.05.B, the total combined impact of the unidentified underground facility is <u>117</u> (80+30) calendar days.



Should you have any questions, please do not hesitate to contact the undersigned at 671-888-5670 or via email at ravi@infratechintl.com.

Regards,

Ravindra B. Gogineni

Vice President & General Manager



March 24, 2020

Kenneth M. Rekdahl Dueñas, Camacho and Associates Resident Project Representative 238 East Marine Corps Drive, Suite 201 Hagatña, Guam 96910

Via: Email: kmrekdahl@dcaguam.com

Ref.: Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement; GWA Project No.: \$15-002-EPA

Subject: Time Extension Request - 2

Dear Mr. Rekdahl:

InfraTech International, LLC (ITI) is submitting the Time Extension Request for your review and approval for the delays identified below:

Archeologist

Based on the information and records, ITI scheduled to start the repair work between SMHs 18Asan and 19Asan on October 23, 2019 and was told on October 24, 2019 that Archeologist was not available. ITI was once again forced to stop the work due to the unavailability of Archeologist from January 15, 2020 to January 21, 2020. ITI lost <u>40</u> calendar days beyond its control due to the unavailability of Archeologist.

Water Line

ITI discovered an unidentified underground facility on November 25, 2019 and brought it to the attention of the RPR immediately. This underground facility belongs to GWA. As per the request of the RPR, ITI provided the proposal excluding all the materials as informed by the RPR. ITI started the work on December 26, 2019 after receiving the materials from GWA. Also, ITI requested 15 days to relocate 60 feet of the water line. However, ITI ended up relocating 80 feet and the proportionate duration would be 20 days for this work. The combined total impact of the delays beyond ITI's control caused by the unidentified water line plus the extra days for the additional work is **52** calendar days.

SMH Replacement

Upon excavation to install the new 16" PVC pipe by open cut excavation, ITI discovered that the Manhole (MH) section had a long crack and notified the RPR. ITI was asked the defective SMHs. After removing the upper SMH components, ITI found out that the base of the SMH is 3 feet thick, which was witnessed by the RPR's Field Representative and Project Manager. ITI had to



bring in a rock breaker to overcome the unknow condition . This additional work took $\underline{\bf 30}$ calendar days.

Abatement of ACP Pipe

As requested in the proposal for the abatement, ITI has asked for 15 additional days for every 80-foot section of abatement work. As of this letter date, ITI had abated two sections. The total days for this additional work as of now is <u>30</u> calendar days. ITI will request for additional time as it performs the abatement work in the future.

Unidentified Underground Facility Impact

ITI came across unidentified underground facility that caused constructability issues as per the contract documentation. ITI brought this to the attention of the RPR as soon as it discovered the unidentified underground facility. The RPR scheduled a field meeting with the respective companies to find a solution to continue the work as per the contract documents. The work was stopped from June 22, 2019 to September 17, 2019 to accommodate the discussions with the underground utility companies. Based on the above-mentioned dates, ITI lost 87 calendar days. It very reasonable to request <u>40</u> calendar days out of 87 calendar days for the stoppage of work.

After having several meetings with the utility company, the RPR directed ITI to proceed with the work by widening the width of the trench to overcome the obstructions caused by the unknown underground facility. This not only increased the excavation quantity, but also backfilling and flowable fill quantities. In the submitted proposal, ITI asked for 15 calendar days for the 80-foot section. To date, ITI had completed the spot repair in 2 areas. The total impact of the unidentified underground facility due to the need to widen the trench is <u>30</u> calendar days.

Based on the General Conditions Sections 5.04.A and 5.05.B, the total combined impact of the unidentified underground facility is **70** (40+30) calendar days.

Based on the above facts, the total delays and time impacts due to the unknown underground facilities beyond ITI's control is 222 (40+52+30+30+70) calendar days. Given the sensitivity of the content of this letter, immediate action is required on this matter. ITI reserves the right to claim for additional days that may have been missed in this letter. Should you have any questions, please do not hesitate to contact the undersigned at 671-888-5670 or via email at ravi@infratechintl.com.

Regards,

Ravindra B. Gogineni

Vice President & General Manager

Attachment B Time Extension 2- Work Days Review

Rt 1 - Time extension 2 Review							
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A	
	Point Repair #1 SMH 1402 - SMH 18						
8-Jun-19	Mob for Emergency Excav						
	Hydro Excavation						
	Hydro Excavation						
	Excavation				0.5		
12-Jun-19	Excavation				0.5		
13-Jun-19	Install Temp. Trench Shield				0.5		
14-Jun-19	Install Temp. Trench Shield				0.5		
15-Jun-19							
16-Jun-19							
17-Jun-19					0.5		
18-Jun-19					0.5		
19-Jun-19	Mob Trench Shield				0.5		
20-Jun-19					0.5		
21-Jun-19	Placed Trench Shield/Demo ACP				0.5		
22-Jun-19	Prepare trench prior to install pipe						
23-Jun-19							
24-Jun-19	Prepare trench prior to install pipe				0.5		
25-Jun-19	Work was stopped - Utit Coordination				1		
26-Jun-19	Work was stopped - Utit Coordination				1		
27-Jun-19	Work was stopped - Utit Coordination				1		
28-Jun-19	Work was stopped - Utit Coordination				1		
29-Jun-19	Work was stopped - Utit Coordination				1		
30-Jun-19	Work was stopped - Utit Coordination				1		
1-Jul-19	Work was stopped - Utit Coordination				1		
2-Jul-19	Work was stopped - Utit Coordination				1		
3-Jul-19	Work was stopped - Utit Coordination				1		
4-Jul-19	Work was stopped - Utit Coordination				1		
5-Jul-19	Work was stopped - Utit Coordination				1		
6-Jul-19	Work was stopped - Utit Coordination				1		
	Work was stopped - Utit Coordination				1		
8-Jul-19	Exposing Docomo line				1		
	Exposing Docomo line				1		
10-Jul-19	Exposing GTA line				1		
	Exposing Docomo/GTA lines						
12-Jul-19	Placed trench Shield/Manual Excav						
13-Jul-19							
14-Jul-19							
	ACP abatement						
16-Jul-19	Temp. Backfill/Heavy Rain						
17-Jul-19							
	Excavation 1st 20ft						
	Excavation 1st 20ft						
20-Jul-19							
21-Jul-19							

Rt 1 - Time ext	ension 2 Review					
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20 <i>A</i>
22-Jul-19						
23-Jul-19	Excavate/Placed pipe					
24-Jul-19	Water Ponding in Trench					
25-Jul-19	Excavation					
26-Jul-19	Excavation/ACP abatement					
27-Jul-19						
28-Jul-19						
29-Jul-19						
30-Jul-19						
31-Jul-19						
1-Aug-19	Install PVC					
2-Aug-19						
3-Aug-19						
4-Aug-19						
5-Aug-19						
6-Aug-19						
_	Dewatering					
8-Aug-19						
9-Aug-19						
10-Aug-19						
11-Aug-19						
12-Aug-19						
13-Aug-19						
14-Aug-19						
15-Aug-19						
16-Aug-19						
17-Aug-19						
18-Aug-19						
19-Aug-19 20-Aug-19						
20-Aug-19 21-Aug-19						
21-Aug-19 22-Aug-19						
23-Aug-19						
24-Aug-19						-
25-Aug-19						
26-Aug-19						
27-Aug-19						
28-Aug-19						
29-Aug-19						
30-Aug-19						
31-Aug-19						1
1-Sep-19						
2-Sep-19						1
	Excavating GTA & Docomo line					
4-Sep-19						

	ension 2 Review Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
5-Sep-19	Description	INO AICH	waterine	Зічіп керіа	טוני טוונ	3IVITZU-ZUP
-	Waiting for GTA markings				1	
	Waiting for GTA markings Waiting for GTA markings				1	
	Waiting for GTA markings Waiting for GTA markings				1	
-	Waiting for GTA markings Waiting for GTA markings				1	
-	Waiting for GTA markings Waiting for GTA markings				1	
-	Waiting for GTA markings Waiting for GTA markings				1	
'- II	Waiting for GTA markings Waiting for GTA markings				1	
-	Waiting for GTA markings Waiting for GTA markings				1	
-	Waiting for GTA markings Waiting for GTA markings				1	
	Waiting for GTA markings Waiting for GTA markings				1	
	Waiting for GTA markings Waiting for GTA markings				1	
	Waiting for GTA markings Waiting for GTA markings				1	
	Exposing GTA lines				1	
19-Sep-19	Exposing GTA inles					
'- II	No archaeological Monitoring - Found Bone	1				
-	No archaeological Monitoring No archaeological Monitoring	1				
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
26-Sep-19	No archaeological Monitoring				0.5	
27-Sep-19					0.5	
28-Sep-19					0.5	
29-Sep-19						
30-Sep-19						
1-Oct-19					0.5	
2-Oct-19					0.5	
3-Oct-19					0.5	
4-Oct-19					0.5	
5-Oct-19					0.5	
6-Oct-19						
7-Oct-19					0.5	
8-Oct-19					0.5	
9-Oct-19						
	No archaeological Monitoring	1				
11-Oct-19						
12-Oct-19						
13-Oct-19						
14-Oct-19					0.5	
15-Oct-19					0.5	
16-Oct-19					0.5	
17-Oct-19					0.5	
18-Oct-19					0.5	
19-Oct-19					0.5	

Dates	tension 2 Review Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
20-Oct-19	-				-,	
	Flowable Fill at Point Repair #1					
22-Oct-19						
23-Oct-19	•					
24-Oct-19						
	No archaeological Monitoring	1				
26-Oct-19		1				
27-Oct-19		1				
28-Oct-19	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
1-Nov-19	No archaeological Monitoring	1				
2-Nov-19	No archaeological Monitoring	1				
3-Nov-19	No archaeological Monitoring	1				
4-Nov-19	No archaeological Monitoring	1				
5-Nov-19	No archaeological Monitoring	1				
6-Nov-19	No archaeological Monitoring	1				
7-Nov-19						
	Point Repair #2 & Waterline					
8-Nov-19	Found waterline		1			
9-Nov-19			1			
10-Nov-19			1			
11-Nov-19	Holiday		1			
12-Nov-19	Waiting on GWA Materials		1			
13-Nov-19	Hydro Excavation-waterline		1			
14-Nov-19	Hydro Excavation-waterline		1			
15-Nov-19			1			
16-Nov-19			1			
17-Nov-19			1			
18-Nov-19			1			
19-Nov-19			1			
20-Nov-19			1			
	Operator issue		1			
	Operator issue		1			
23-Nov-19			1			
24-Nov-19			1			
25-Nov-19			1			
	Waiting for Price Proposal		1			
	Waiting for Price Proposal		1			
	Thanks Giving Day		1			
	Waiting for Price Proposal		1			
30-Nov-19						
1-Dec-19						
2-Dec-19	l				1	

Rt 1 - Time ext	tension 2 Review					
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20 <i>F</i>
3-Dec-19						
4-Dec-19						
5-Dec-19						
6-Dec-19						
7-Dec-19						
8-Dec-19						
9-Dec-19						
10-Dec-19						
11-Dec-19						
12-Dec-19						
13-Dec-19						
14-Dec-19						
15-Dec-19						
16-Dec-19						
17-Dec-19						
18-Dec-19					1	
19-Dec-19					1	
20-Dec-19					1	
21-Dec-19					1	
22-Dec-19					1	
23-Dec-19					1	
24-Dec-19					1	
25-Dec-19			1			
	Prep waterline		1			
	Excavation		1			
28-Dec-19 29-Dec-19			1 1			
	Diverted waterline		1			
	Fixing waterline leak		1			
1-Jan-20			1			
	No archaeological Monitoring	1	1			
	No archaeological Monitoring	1				
4-Jan-20		_	1			
5-Jan-20			1			
6-Jan-20			1			
	Sewerline Work		-		1	
	Sewerline Work				1	
	Sewerline Work				1	
	Sewerline Work				1	
11-Jan-20					1	
12-Jan-20					1	
	Sewerline Work				1	
	Sewerline Work				1	
	No archaeological Monitoring	1				
	No archaeological Monitoring	1			1	

Dates	ension 2 Review Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20
	No archaeological Monitoring	1	waterine	Jivii i Nepia	0,0000	31VII 120-20
	No archaeological Monitoring	1				
	No archaeological Monitoring	1				
20-Jan-20		1				
	No archaeological Monitoring	1				
	Remove ACP waterline pipe		1			
	Excavation		1			
	Installation waterline		1			
25-Jan-20	installation waterline		1			
26-Jan-20			1			
27-Jan-20	Weather		1			
	Remove diverted WL/Chlorinate		1			
29-Jan-20	Remove diverted WL/emormate		1			
30-Jan-20						
	Compaction/Excavation SMH 1402		1			
1-Feb-20	Compaction, Excuration Sign 1402		1			
2-Feb-20			1			
	Inclement Weather		1			
	Flowable Fill at Waterline & Pt Repair #2		1			
	Sewer Manhole Replacement					_
	Excavation SMH 1402			1		1
6-Feb-20	2.00.000.000.000.000			1		
7-Feb-20				1		
8-Feb-20				1		
9-Feb-20				1		
	Remove SMH 1401			1		
11-Feb-20						
	Demo base -SMH1402 & SMH1401			1		
13-Feb-20	Foundation Prep			1		
14-Feb-20	•					
15-Feb-20	Install			1		
16-Feb-20				1		
	President's Day			1		
	Foundation Prep 1401			1		
19-Feb-20				1		
20-Feb-20	Install					
21-Feb-20	Install riser SMH 1402					
22-Feb-20						
23-Feb-20						
24-Feb-20	Install base SMH SMH 1401			1		
25-Feb-20	Install riser SMH 1401					
26-Feb-20						
27-Feb-20	Backfilling SMH 1402 & SMH 1401			1		
28-Feb-20						
29-Feb-20						

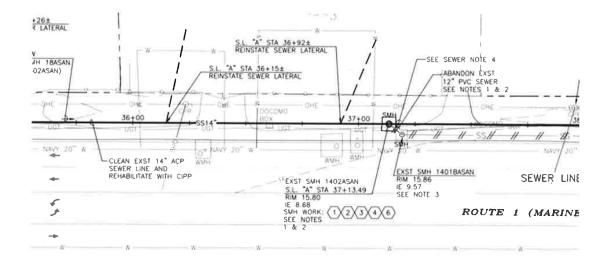
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
1-Mar-20	-			-1- "		
2-Mar-20	Flowable Fill -SMH1402 - SMH1401					
3-Mar-20						
4-Mar-20						
5-Mar-20						
6-Mar-20	Waiting for utit marking at SMH 1390-1391				1	
7-Mar-20						
8-Mar-20						
9-Mar-20						
10-Mar-20						
	Waiting line guards/GTA markings at Ramona				1	
12-Mar-20						
	Excavation SMH 1400A			1		
14-Mar-20				1		
15-Mar-20				1		
16-Mar-20				1		
17-Mar-20				1		
	Demo SMH 1400A			1		
	Install riser SMH 1400A					
20-War-20	Chanelling manhole SMH 20 -SMH 20A & SMH 20A - SMH1368					
15-Anr-20	Placing conc. Barrier SMH20-SMH20A					
· · · · · · · · · · · · · · · · · · ·	Excavation					
-	Shut Down-Sewer Backup					
-	Vac uum SMH 20A - SMH 1368					
19-Apr-20						
	Inclement Weather					
	Hydro excavation SMH20- SMH 20A					
•	Excavation					
23-Apr-20	Excavation					
24-Apr-20	Hydro excavation/Install					
25-Apr-20	Hauling excavated matl's.					
26-Apr-20						
27-Apr-20	Hydro excavation					
	Install 60'					
•	Backfilling					
•	Excavate SMH 20A -SMH 1368					
-	Excavate SMH 20A -SMH 1368					
2-May-20						
3-May-20						
	Install SMH 20A - SMH 1368					
5-May-20	Backfill SMH 20A - SMH 1368					
	Cleaning SMH 20 - SMH 20A					
6-May-20	Install 34' SMH 20A - SMH 1368					
	Cleaning SMH 20 - SMH 20A	1	1		1	

Rt 1 - Time ext	ension 2 Review					
Dates	Description	No Arch	Waterline	SMH Repla	U/G Utit	SMH20-20A
7-May-20	Backfill/Compact SMH 20A - SMH 1368					
	Cleaning SMH 20 - SMH 20A					0.5
8-May-20	No Activity-Different Site Condition					1
9-May-20						1
10-May-20						1
-	No Activity-Different Site Condition					1
12-May-20	No Activity-Different Site Condition					1
13-May-20	No Activity-Different Site Condition					1
14-May-20						1
	Waiting for Direction					1
16-May-20						1
17-May-20						1
	Waiting for Direction					1
1	Slope adjustment for the installed 60'					
1	Slope adjustment for the installed 60'					
	Shut Down-conflict with the MH elev.					1
22-May-20	DCA Survey					0.5
	Flowable Fill SMH 20A - SMH 1368					_
23-May-20						1
24-May-20						1
=	Memorial Day					1
=	No Activity-Different Site Condition					1
1	No Activity-Different Site Condition					
=	No Activity-Different Site Condition					
-	No Activity-Different Site Condition					1
30-May-20						1
31-May-20	No Activity-Different Site Condition					1
	No Activity-Different Site Condition					1
	No Activity-Different Site Condition					1
	No Activity-Different Site Condition					1
	No Activity-Different Site Condition					1
6-Jun-20	,					
7-Jun-20						
	Re-excavate/adjust slope to .001					
	Install up to 80'					
10-Jun-20	•					
	Stand by Excav SMH 20 - SMH 19					
	Excav exposed conc. Encasement					
13-Jun-20	•					
14-Jun-20						
15-Jun-20	Compaction/Trench collapsing					
16-Jun-20	Backfilling/Compacting 70'					
17-Jun-20	Demo conc. Encasement/ACP Abatement					
18-Jun-20	Install 100' with deflection					

VARIOUS CHANGE ORDER

1. UTILITIES - \$33,350.98

Work done before 9/18 does not appear to be significantly impacted by the comm lines and DCA considers this as falling within the contract documents, see excerpts below. DCA agrees that there was an impact when Infratech needed to extend the trench which started on 9/18.



TELEPHONE/CABLE NOTES:

- 1. THE LOCATION OF TELEPHONE AND CABLE FACILITIES, IF SHOWN ON THE PLANS, WERE DERIVED FROM A COMBINATION OF GEOSPATIAL INFORMATION SYSTEMS (GIS) AND FROM FIELD MARKINGS AND CONTAIN VARYING DEGREES OF ACCURACY AS TO ITS ACTUAL LOCATION. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE UTILITY CLEARANCES BEFORE EXCAVATING AND SHALL USE EXTREME CAUTION WHEN WORKING IN CLOSE PROXIMITY OF THESE FACILITIES.
- ANY WORK REQUIRED TO RELOCATE TELEPHONE OR CABLE FACILITIES SHALL BE DONE BY THE RESPECTIVE COMPANY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIREMENTS AND ASSOCIATED APPLICABLE COSTS.

Using both Infratech and DCA daily reports, the works associated with the trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21. DCA and Infratech reports are consistent with the back hoe, excavator and dump truck use. The total volume of flowable will was 63 cyds, so DCA allowed for half.

The total duration related to trench expansion was 15 days if it includes weekends, therefor DCA allowed for 0.5 months for the trench Box. Regarding labor DCA allowed for the entire sub fee to apply.

See attached mark ups with the times and qualities adjusted. All unit rates remained the same.

For your use, see link to the relevant DCA daily reports:

https://ldrv.ms/u/s!Ap5ihUxOPyJRo1LL3MZz7uPrzzuK?e=FIE4LY

2. SEWER RE-ALIGNMENT WITH DEFLECTION- \$7,127.64

DCA will allow for two days of work associated with the realignment of the existing sewer line. This was the documented time for realignment.

This realignment was not a documented condition and was only identified once the old concrete encased line was removed. By this time Infratech had installed the point repair line up to the encasement. It was determined by all parties that realignment was the best option. Other options included the demolition an old Navy Vault.

3. NIGHTTIME WORK - \$23,658.30

DCA will allow for this fee.

This nighttime work is the result of meeting with DPW and the restriction to only allow one travel lane during peak hours. This restriction only uncovered after bid.

4. BYPASS - \$104,601.01

DCA negotiated with Infratech to develop a daily rate for the sewer system bypassing. This is done to accommodate times when contract extension was needed together with continuous bypassing. The agreed up on unit rate is \$823.63. This includes labor, fuel and routine maintenance.

ESTIMATED TOTALS

CO item	Contractor	DCA
1 Utilities	\$ 51,912.17	\$ 33,350.98
2 Sewer Realignment	\$ 13,691.00	\$ 7,127.64
3 Nighttime work	\$ 23,658.30	\$ 23,658.30
4 Bypass (daily)	\$ 886.25	\$ 823.63
Negotiated 127 days	\$ 177,250.00	\$ 104,601.01
Total	\$ 266,511.47	\$ 168,737.93

UTILITIES

NOTES:
1) V
2) C

We are requesting I month for this extra work for the quantity identified in the proposal.

Our proposal is based on the estimated quantity. Total price and duration will be determined based on the actual quantities.

F1-11=1 # 5

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

	Bonds		F	, d		TSS	WCI		Labo Atta	Labor	muL	Plate	Dun	Back	Exca	Tren	Non	Crus	Flow	for Finner	NO.
GRAND TOTAL	ds	SUB-TOTAL		D	SUB-TOTAL			SUB-TOTAL	Labor - Subcontractor (See Attached)	or .	Jumping Jack	Plate Compactor	Dump Truck	Backhoe	Excavator	Trench Shield	Non-Owen Fabric	Crushed Rock	Flowable Fill	for Pipe Repair Work inclusive of flowable fill, crushed rock, non-woven fabric, shoring and backfilling (0'-10' Depth)	DESCRIPTION
	3.04%		5%	15%		7.65%	7.50%		₅ 🗠	ω	ь	1	_	1	ь	_	1	29	43	80	QTY.
									1	00	_	1	00	00	00	1	1	39	1	Fi Fi	HRS/DA Y
									ъ.	15	7	72	N		8	ы	L	43	1		DUR.
									1	360	2 15	7 7	21 168	9 15 12 130 P	8× 52 ×8	250	_	43	43	31.5	
									rs	Hrs.	Days	Days	Hrs.	Hrs.	Hrs.	Mo.	Roll	Tons	СХ		UNIT
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																		693.00	44.10	648.90	PRICE
																		55,440.00	Bid Item 11	In lieu of Bid Item 2	PRICE

²⁷⁵

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>

Sent: Wednesday, July 22, 2020 12:19 PM

To: 'Ken Rekdahl'

Cc: 'Editha F. Beltran-Thompson'; pragathi@infratechintl.com

Subject: RE: Heavy Cleaning Summary AND UTILITY IMPACT

Attachments: CPRs 10 to 24.pdf

Ken,

As per your email dated January 16, 2020, you considered the duration between "......trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21.". This duration covers 60 feet only. We installed another 20 feet between June 10, 2019 (CPR #10) to June 24, 2019 (CPR #24). We had a meeting on this and you were to review these reports and include in the computation. To expedite the process, I suggested to compute the per foot cost based on your computations and multiply the unit price with 80 to determine the total cost, which would be \$44,467.97 compared to our proposal cost of \$55,440.00. I am attaching the CPRs for your convenience. I am hoping that you will consider our request to close this matter. Thank you.

Best Regards, Ravindra B. Gogineni Vice President



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.

Barrigada, Guam 96913

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Ken Rekdahl kmrekdahl@dcaguam.com Sent: Wednesday, July 22, 2020 11:37 AM

To: Rivandra (Ravi) Gogineni <ravi@infratechintl.com>

Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; pragathi@infratechintl.com

Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Ravi,

I reviewed your daily reports. The work in question was complete on Oct 21(as shown below). My Email of January 16 is a complete assessment of the work done at this point repair on both sides of the water line concrete easement. I will recommend this (attached marked up fee to GWA.

Further to this, subsequent review of the contact documents did indicate the comm lines in this area, so justification as to what any claim is due will be needed. I will use your email response on March 22, 2020 as justification for what the attached CO should be processed.

Regards

Ken

Edith B. Thompson

From: Ken Rekdahl kmrekdahl@dcaguam.com
Sent: Wednesday, July 22, 2020 11:37 AM

To: Rivandra (Ravi) Gogineni

Cc:Editha F. Beltran-Thompson; pragathi@infratechintl.comSubject:Re: Heavy Cleaning Summary AND UTILITY IMPACT

Attachments: RE_ Existing Utilities Relocation.eml (296 KB); Untitled attachment 00007.html; 2796_

001.pdf; Untitled attachment 00010.html

Ravi,

I reviewed your daily reports. The work in question was complete on Oct 21(as shown below). My Email of January 16 is a complete assessment of the work done at this point repair on both sides of the water line concrete easement. I will recommend this (attached marked up fee to GWA.

Further to this, subsequent review of the contact documents did indicate the comm lines in this area, so justification as to what any claim is due will be needed. I will use your email response on March 22, 2020 as justification for what the attached CO should be processed.

Regards

Ken

F1-11=171 # 5

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

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		GRAND TOTAL							6.165.35	6.165.35 31.984.80			31.984.80 - 13.762.02 5	31.984.80 - 13.762.02

279

Edith B. Thompson

From: Ken Rekdahl < kmrekdahl@dcaguam.com>
Sent: Thursday, January 16, 2020 5:13 PM

To: John Riegel

Cc: George Watson; Editha F. Beltran-Thompson

Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Yep

On Jan 16, 2020, at 5:13 PM, John Riegel < <u>JRiegel@BrwnCald.com</u>> wrote:

So it covers extra work due to the comm lines?

From: Ken Rekdahl kmrekdahl@dcaguam.com Sent: Thursday, January 16, 2020 5:10 PM
To: John Riegel kmrekdahl@dcaguam.com >

Cc: George Watson <gwatson@BrwnCald.com>; Editha F. Beltran-Thompson <ebthompson@dcaguam.com>

Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

There are 5 change order proposal that Ravi has submitted.

1. Heavy Cleaning

- 2. Additinoal excavation for utility impacts
- 3. Increase bypass Duration
- 4. Increase TCP duration
- 5. Waterline relocation

This covers item 2. My last suggestion was to simply use existing bid items, but Ravi rejected the Idea. So I went with the daily reports

On Jan 16, 2020, at 4:42 PM, John Riegel < IRIEGEL@BrwnCald.com wrote:

Exactly what is this for? I am confused between the subject line, the note written on the top of the attached mark-up, and the name of the bid item.

From: Ken Rekdahl < kmrekdahl@dcaguam.com > Sent: Thursday, January 16, 2020 4:05 PM

To: George Watson <gwatson@BrwnCald.com>; John Riegel <JRiegel@BrwnCald.com>

Cc: Editha F. Beltran-Thompson < ebthompson@dcaguam.com Subject: Fwd: Heavy Cleaning Summary AND UTILITY IMPACT

FYI

Begin forwarded message:

From: Ken Rekdahl < kmrekdahl@dcaguam.com >

Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Date: January 16, 2020 at 4:04:18 PM GMT+10 **To:** Ravindra Gogineni < ravi@infratechintl.com >

Cc: "Editha F. Beltran-Thompson"

<ebthompson@dcaguam.com>,pragathi@infratechintl.com

Ravi,

See attached edits to your latest subject proposal.

Using both Infratech and DCA daily reports, the works associated with the trench expansion excavation started on 9/18 with saw cutting and ended on 9/26. Backfilling commenced on 10/16 and ended on 10/21. DCA and Infratech reports are consistent with the back hoe, excavator and dump truck use. The total volume of flowable will was 63 cyds, so I allowed for half.

The total duration related to trench expansion was 15 days if I include weekends, therefor I allowed for 0.5 months for the trench Box.

Regarding labor I allowed for the entire sub fee to apply.

I have attached my mark up with the times and qualities adjusted. All unit rates remained the same. This approach is a true and fair refection of the effort rated to track expansion based on our daily reports. Please offer your concurrence so we can move this forward to B&C/GWA

For your use, I have provided a link to the relevant DCA daily reports.

https://1drv.ms/u/s!Ap5ihUxOPyJRo1LL3MZz7uPrzzuK?e=FIE4LY

Regards

Ken

On Dec 27, 2019, at 11:31 AM, Ravindra B. Gogineni ravi@infratechintl.com wrote:

Ken,

Please take a look at the revised proposal. I just cut 25% of the equipment time and removed InfraTech labor from the estimate to continue the positive spirit and close the item. I also removed the items covered under Bid Item 11 and used the unit cost of Bid Item 11. As you will see I am not including InfraTech's field supervision cost also. Bid

Item 2 covers unclassified excavation and actual excavation is difficult and taking longer because of the obstructions caused by the existing utilities. You all are aware that we are not able to either excavate or backfill in normal way. Please take a look at the revised proposal and let me know if you have any questions. I am hoping that you will understand and agree with me on the rationale behind my request. Thank you very much.

Best Regards, Ravindra B. Gogineni Vice President <image003.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a)

Participant

118 Aspengao CT.

Barrigada, Guam 96913

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

<image004.jpg>2016, 2017 & 2018

STEP (Safety Training Evaluation Process) Diamond Award Winner

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From: Ken Rekdahl < kmrekdahl@dcaguam.com > Sent: Thursday, December 26, 2019 6:00 PM
To: Ravindra Gogineni < ravi@infratechintl.com >

Cc: Editha F. Beltran-Thompson < ebthompson@dcaguam.com Subject: Re: Heavy Cleaning Summary AND UTILITY IMPACT

Ravi,

I have attached my review to your utility impact proposal.

As it stands the impact is in an area where the sewer line is between 0-10ft. I recognize that we may see impact at areas between 10-20. The

approach provided here will allow us to cover the 10-20 areas, if and when encountered.

As a maximum, the unit cost of the subject impact should not exceed bid items 2 and 11. The attached provided this. I will need to get concurrence with this approach first.

I accepted it may allow you to bill this item right away.

I will send my recommendation along to B&C/GWA before the end of the year. Please review and offer your input.

Regards

Ken

<Estimate - Additional Work Due to Utilities (0-10').pdf>

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991

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Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991

F1-11=171 # 5

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR ADDITIONAL WORK DUE TO UTILITIES

	Bonds			g	P & O	P & O	P & O	WCI SST P & O	WCI SST P & O	Labor - Subco Attached) WCI SST	Labor - Subco Attached) WCI SST	Jumping Jack Labor Labor - Subcc Attached) WCI SST P & O	Plate Compactor Jumping Jack Labor Labor - Subcontr Attached) WCI SST P & O	Dump Truck Plate Compa Jumping Jack Labor Labor - Subco Attached) WCI SST P & O	Backhoe Dump Truck Plate Compa Jumping Jack Labor Labor - Subco Attached) WCI SST P & O	Excavator Backhoe Dump Truck Plate Compa Jumping Jack Labor - Subco Attached) WCI SST P & O	Trench Shield Excavator Backhoe Dump Truck Plate Compac Jumping Jack Labor - Subco Attached) WCI SST P & O	Non-Owen Fabric Trench Shield Excavator Backhoe Dump Truck Plate Compactor Jumping Jack Labor - Subcontra Attached) WCI SST	Crushed Rock Non-Owen Fa Trench Shield Excavator Backhoe Dump Truck Plate Compac Jumping Jack Labor - Subco Attached) WCI SST P & O	Flowable Fill Crushed Rocl Non-Owen Fi Trench Shield Excavator Backhoe Dump Truck Plate Compas Jumping Jack Labor - Subco Attached) WCI SST P & O	non-woven f backfilling (0 Flowable Fill Crushed Rocl Non-Owen Fi Trench Shield Excavator Backhoe Dump Truck Plate Compas Jumping Jack Labor Labor - Subcu Attached) WCI SST	1 of flowable f non-woven f backfilling (0 Flowable Fill Crushed Rock Non-Owen Fi Trench Shield Excavator Backhoe Dump Truck Plate Compa- Jumping Jack Labor Labor - Subco Attached) WCI SST	for Pipe Repa 1 of flowable f non-woven f backfilling (0 Flowable Fill Crushed Rock Non-Owen Fa Trench Shield Excavator Backhoe Dump Truck Plate Compa Jumping Jack Labor Labor - Subcu Attached) WCI SST P & O	Additional Tr for Pipe Repa of flowable f non-woven f backfilling (0 Flowable Fill Crushed Rock Non-Owen Fa Trench Shielc Excavator Backhoe Dump Truck Plate Compa Jumping Jack Labor Labor - Subco Attached) WCI SST
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																			55,440.00	55,440.00	Bid Item 11 55,440.00	Item 2 Bid Item 11 55,440.00	In 1 Item	In lieu of Bid Item 2 Bid Item 11 55,440.00

NOTES:

1) We are requesting 1 month for this extra work for the quantity identified in the proposal.

2) Our proposal is based on the estimated quantity. Total price and duration will be determined based on the actual quantities.

SEWER RE-ALIGNMENT

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>

Sent: Tuesday, May 26, 2020 5:28 PM **To:** kmrekdahl@dcaguam.com

Cc: 'Editha F. Beltran-Thompson'; naresh@infratechintl.com; 'Pragathi Gogineni'

Subject: Asan-Adelupe Sewer Line Realignment Proposal

Attachments: Pipe Realignment Proposal.pdf; MH Upgrade Proposal.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Ken,

Attached are the two separate proposals for Realignment & MH Upgrade for your review.

Best Regards, Ravindra B. Gogineni Vice President

I InfraTech International, LLC

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

ABC

2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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PROJECT: ASAN-ADELUP-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: SI5-002-EPA

PRICE PROPOSAL FOR REALIGNMENT

Item	Description	ğ	HRS	a a	DUR T. OTV. LINIT	IN	II PRICE	SILM	ED III	IĀ	LABOR	Taga
ģ										SUBCON	PRIME	2
H	Realignment of Installed Pipes MHs 20A Upstream	09	<u> </u>									
	Bedding Sand	27	36	41	20	Tons	33.50	1,675.00	٠	i	100	1,675.00
	Geotextile	1	1	1	1	S	250.00	250.00	٠	ě		250.00
	Concrete	15	1	1	15	Ea.	25.00	375.00				375.00
	Backhoe	1	œ	2	40	Hrs.	65.00	0.	2,600.00	*		2,600.00
	Dump Truck	1	œ	2	16	Hrs.	75.00		1,200.00			1,200.00
	Labor	2	∞	2	32	Ea.	22.00	375.00		Tă,	704.00	704 00
	Labor - Subcon	1	1	1	1	S	3,336.32	ì		3,336.32	æ	3,336.32
		SUB-TOTAL	TAL					2,675.00	3,800.00	3,336.32	704.00	10,140.32
	Superintendent	1	1	0.25	0.25	Mos.	4,208.33	ŧ	3	*	1,052.08	1,052.08
	Transportation	н	1	0.25	0.25	Mos.	512.00	î	128.00	×	ř	128.00
	Gas Allowance	1	1	0.25	0.25	Mos.	300.00		75.00	•	٠	75.00
	Health Insurance	1	1	0.25	0.25	Mos.	327.00	•	•	•	81.75	81.75
	Vacation Pay	1	1	0.25	0.25	Mos.	140.27		0	•	35.07	35.07
		SUB-TOTAL	TAL					2,675.00	4,003.00	4,003.00 3,336.32	1,872.90	11,512,22
	Workmen Comp. Insurance 7.50%	7.50%						•	*	*	140.47	140.47
	Social Security Tax	7.65%						•		•	143.28	143.28
		SUB-TOTAL	TAL					2,675.00	4,003.00	3,336.32	2,156.65	11,795.97
	C 86	15%						401.25	600.45		323.50	1,325.20
	2	2%							9	166.82	٠	166.82
		SUB-TOTAL	TAL					3,076.25	4,603.45	3,503.14	2,480.14	13,287.98
	Bonds	3.04%						93.52	139.94	106.50	75.40	403.95
	g	GRAND TOTAL	TOTAL					3.169.77	4.743.39	4.743.39 3.609.63 2.555.54	2.555.54	13.691.93

We are requesting 5 days for this extra work for the quantity identified in the proposal.
 InfraTech will follow the slope of .001 fb/ft as provided by DCA.
 Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

Page 1 of 1

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR MH 20ASAN UGRADE

Item No.	Description	Ş	HRS	2	T OTV	HNII	II DBICE	MTIC	allo	LABOR	OR	Laco d L
	_	i,				_	V. FINGE			SUBCON	PRIME	
н	Realignment of Installed Pipes MHs 20A Upstream	09	I.F									
	Concrete	15	1	1	15	Ea.	25.00	375.00				375.00
	Vactor Truck	1	∞	1	œ	Hrs.	350.00		2,800.00			2,800.00
	Chipping Gun	1	1	1	IJ	Day	125.00		125.00			125.00
	Portable Generator	1	1	1	ч	Day	200.00		200.00			200.00
	Pipe Cutter	ч	1	1	1	Day	125.00		125.00			125.00
	Labor	7	∞	1	16	Ea.	22.00	375.00	*	×	352.00	352.00
	Labor - Subcon	1	1	1	1	LS	2,034.24	*	*	2,034.24	*	2,034.24
		SUB-TOTAI	IAL					750.00	3,250.00	2,034.24	352.00	6,011.24
	Superintendent	1	1	0.1	0.1	Mos.	4,208.33	•		ř	420.83	420.83
	Transportation	П	1	0.1	0.1	Mos.	512.00	Ĩ	51.20	î		51.20
	Gas Allowance	1	1	0.1	0.1	Mos.	300.00	į	30.00	ï		30.00
	Health Insurance	1	1	0.1	0.1	Mos.	327.00			i	32.70	32.70
	Vacation Pay	1	1	0.1	0.1	Mos.	140.27		•	i	14.03	14.03
		SUB-TOTAL	FAL					750.00	3,331.20	2,034.24	819.56	6,560.00
	Workmen Comp. Insurance	7.50%								ě	61.47	61.47
	Social Security Tax	7.65%						r	ř	1	62.70	62.70
		SUB-TOTAL	FAL					750.00	3,331.20	2,034.24	943.72	6,684.16
	C & a	15%						112.50	499.68		141,56	753.74
) 8 -	2%							i	101.71	i	101.71
		SUB-TOTAL	FAL					862.50	3,830.88	2,135.95	1,085.28	7,539.61
	Bonds	3.04%						26.22	116.46	64.93	32.99	229.20
	9	GRAND TOTAL	DTAL					888.72	3,947.34	2,200.88	1,118.27	7,768.82

We are requesting 2 days for this extra work for the quantity identified in the proposal.

Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EPA

PRICE PROPOSAL FOR REALIGNMENT

Item	m!	Ě	ğ	2	TINIT VIO T		20199	o IEM	9	Ā	LABOR	T 000 F
ģ		r r		200	·		O. TRICE	III LS.		SUBCON	PRIME	I. D. COSI
н	Realignment of Installed Pipes MHs 20A Upstream	09	<u>"</u>									
	Bedding Sand	27	36	41	20	Tons	33.50	1,675.00	*	()*	o.	1,675.00
	Geotextile	1	1	1	1	LS	250.00	250.00	ž	<u> </u>		250.00
	Concrete	15	1	1	15	Ea.	25.00	375.00				375.00
	Backhoe	1	œ	2	40	Hrs.	65.00		2,600.00	20		2,600.00
	Dump Truck	1	œ	2	16	Hrs.	75.00		1,200.00			1,200 00
Ш	Labor	2	∞	2	32	Ea.	22.00	375.00	•		704.00	704.00
	Labor - Subcon	1	1	1	1	LS	3,336.32			3,336.32	3.0	3,336.32
		SUB-TOTAL)TAL					2,675.00	3,800.00	3,336.32	704.00	10,140.32
	Superintendent	1	1	0.25	0.25	Mos.	4,208.33		*		1,052.08	1,052.08
	Transportation	1	1	0.25	0.25	Mos.	512.00	1 5	128.00		•	128.00
	Gas Allowance	1	1	0.25	0.25	Mos.	300.00	16	75.00		•	75.00
Ш	Health Insurance	1	1	0.25	0.25	Mos.	327.00		*	•	81.75	81.75
	Vacation Pay	1	1	0.25	0.25	Mos.	140.27	:•:	•	(1)	35.07	35.07
		SUB-TOTAL)TAL					2,675.00	4,003.00	3,336.32	1,872.90	11,512.22
	Workmen Comp. Insurance 7.50%	7.50%						*	3		140.47	140.47
	Social Security Tax	7.65%							*	٠	143.28	143.28
		SUB-TOTAL	TAL					2,675.00	4,003.00	3,336.32	2,156.65	11,795.97
	C	15%						401.25	600,45		323.50	1,325.20
	5	2%						99•03	•	166.82	201	166.82
		SUB-TOTAL	TAL					3,076.25	4,603.45	3,503.14	2,480.14	13,287.98
	Bonds	3.04%						93.52	139.94	106.50	75.40	403.95
	9	GRAND TOTAL	FOTAL					3.169.77	4 743 39	4.743.39 3.609.63 2.555.54	2,555,54	13,691.93

We are requesting 5 days for this extra work for the quantity identified in the proposal,
 InfraTech will follow the slope of .001 ft/ft as provided by DCA.
 Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

Page 1 of 1

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From: Ken Rekdahl kmrekdahl@dcaguam.com

Sent: Friday, June 19, 2020 3:44 PM

To: Ravindra Gogineni < ravi@infratechintl.com>

Cc: John Riegel < JRiegel@BrwnCald.com >; Editha F. Beltran-Thompson < ebthompson@dcaguam.com >;

Vince Pereda < vqpereda@dcaguam.com >; Naresh Infratech < naresh@infratechintl.com >

Subject: Re: SMH20A and SMH20 Pipe Alignment.

Ravi,

After visiting the site today with John and Naresh this is what we propose:

Reset the upstream PVC pipe segment so that the deflection can be minimized. The will require pulling back the fill and shifting the pipe toward the roadway, see attached.

Please let us know when you will start. I will have our inspector there to log time, material and equipment use.

I am available anytime this weekend if you have an alternate approach that yo who'd like to share.

Regards

Ken

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>

Sent: Sunday, June 21, 2020 9:33 PM

To: 'Kenneth M. Rekdahl'

Cc: 'John Riegel'; 'Editha F. Beltran-Thompson'; 'Vince Pereda'; 'Naresh Infratech'

Subject: RE: SMH20A and SMH20 Pipe Alignment.

Attachments: Pipe Realignment Proposal.pdf

Importance: High

Ken,

As stated in your email dated October 8, 2019, the funding source for this project does not allow for T&M or force account approach, I am sending you the proposal for the removal and installation of installed PVC pipe with deflection as shown in the cross section provided you. I am hoping that we could reach to an agreement in the meeting. The information gathered during your site visit itself demonstrate that differing site conditions exist as the foundation of the underground facility that is not shown in the drawings is conflicting with the cross section provided by you. We followed the cross section provided to us as per the contract. Let me know what time in the morning you are available to discuss this matter. I recommend that we have a meeting on the field so the you all can see the differing site conditions once again if you have any doubts. Thank you.

Best Regards, Ravindra B. Gogineni Vice President



EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.

Barrigada, Guam 96913 Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Kenneth M. Rekdahl < kmrekdahl@dcaguam.com>

Sent: Saturday, June 20, 2020 4:35 PM

To: ravi@infratechintl.com

Cc: John Riegel <JRiegel@brwncald.com>; Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Vince Pereda <vqpereda@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com> **Subject:** Re: SMH20A and SMH20 Pipe Alignment.

Ravi,

To aid in this decision, we will need justification that this is an unforeseen condition. Please submit your basis for this for review.

We will be monitoring this while we receive and review your basis. If we all agree this is unforeseen then we will use the monitoring to develop the cost for the additional work.

This work must be done swiftly as there is a possibility that without shoring the open trench will pose a public safety risk. This is why we are proceeding in this fashion.

Regards

Ken

Sent from my iPad

On Jun 19, 2020, at 10:57 PM, Ravindra B. Gogineni < ravi@infratechintl.com > wrote:

Ken,

Just to make sure that we are on the same page and for me to discuss with our subcontractor, monitoring of materials, equipment and labor by your inspector is required for invoicing the additional costs based on those documents? Let me know. Thank you.

Email: ravi@infratechintl.com

<image002.jpg>

2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond Award Winner

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Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>

Sent: Thursday, May 28, 2020 9:02 AM

To: 'Ken Rekdahl'

Cc: 'Editha F. Beltran-Thompson'; 'Naresh Infratech'; 'Pragathi Gogineni'

Subject: RE: Asan-Adelupe Sewer Line Realignment Proposal

Ken,

I am not able to understand your statement. We had been proactive from the beginning of the project. We acknowledge and understand that 1396 & 98 is called first in the order. We discussed about this in the progress meetings on what led to the change in the plan. We would have been near completion of the point repairs, if not the different site conditions and invert elevations error in the bid documents. We would be happy to discuss once again in the today's progress meeting.

Best Regards, Ravindra B. Gogineni Vice President

InfraTech International, LLC

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.

Barrigada, Guam 96913 Ph: 671-888-5670

Fax: 671-472-5670

Email: ravi@infratechintl.com



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

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From: Ken Rekdahl < kmrekdahl@dcaguam.com>

Sent: Thursday, May 28, 2020 8:49 AM

To: Ravindra Gogineni <ravi@infratechintl.com>

Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi Gogineni pragathi@infratechintl.com>

Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

We expect Infratech to stay proactive in moving this work forward. Please keep urgency on this, recall this site has been called out as a critical repair for GWA.

Edith, please make sure this is an item for discussion on today's meeting

Ken

On May 28, 2020, at 8:06 AM, Ravindra B. Gogineni <a vi@infratechintl.com> wrote:

Ken,

We thought about moving to another location. As I brought to your attention when we discussed about this over the phone. We will have to close both the north bound lanes. We will have to procure another set of Traffic Control Equipment. We were not able to complete the line guard installation process because GPA was closed due to the pandemic. We are working with GPA to install the line guards. We need to install sheet piles and submit the revised TCP to DPW for their approval.

Best Regards, Ravindra B. Gogineni Vice President <image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.
Barrigada, Guam 96913
Ph: 671-888-5670

Fax: 671-472-5670

Email: ravi@infratechintl.com

<image004.jpg>2016, 2017, 2018 & 2019 STEP (Safety Training)

Evaluation Process) Diamond Award Winner

..........

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From: Ken Rekdahl < kmrekdahl@dcaguam.com >

Sent: Wednesday, May 27, 2020 3:54 PM

To: Ravindra Gogineni < ravi@infratechintl.com >

Cc: Editha F. Beltran-Thompson < ebthompson@dcaguam.com; Naresh Infratech < naresh@infratechintl.com; Pragathi Gogineni < pragathi@infratechintl.com;

Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

Ravi

I am working with B&C now and am waiting for a bit more information from them.

It may likely be that this item of pipe realignment is unresolved and we move it up to GWA to decide, but before we go there Id like to work with you a bit more to come to an agreement.

Related the this I am waiting on feedback from Guam EPA on the pipe encasement. It may be best for you to look at opening a second work area by the GWA bypass. What factors are keeping you from this?

Ken

On May 27, 2020, at 3:26 PM, Ravindra B. Gogineni < ravi@infratechintl.com > wrote:

Ken,

Please see my response below. As you said, I will wait for your phone call.

Best Regards, Ravindra B. Gogineni Vice President <image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT. Barrigada, Guam 96913 Ph: 671-888-5670

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

<image004.jpg>2016, 2017, 2018 & 2019 STEP

(Safety Training Evaluation Process) Diamond Award Winner

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From: Ken Rekdahl < kmrekdahl@dcaguam.com >

Sent: Wednesday, May 27, 2020 1:09 PM

To: Ravindra Gogineni < ravi@infratechintl.com >

Cc: Editha F. Beltran-Thompson <<u>ebthompson@dcaguam.com</u>>; Naresh Infratech <<u>naresh@infratechintl.com</u>>; Pragathi Gogineni <<u>pre>pragathi@infratechintl.com</u>>

Subject: Re: Asan-Adelupe Sewer Line Realignment Proposal

Ravi.

Give me a call after you have had a change to review this.

I have reviewed the proposal you provided and the contract documents and I have also discussed this matter in with with B&C. There are two items that we need to discuss before we can recommended this to GWA:

SMH 20 invert adjustment is \$7,768.82 has too much overhead and manpower associated with it. Please justify why you have 7 persons on this effort. I do not know on what basis you are saying overhead is too much. We only included the overhead allowed in the contract. We would be happy to take out anything that does not comply with the contract. Regarding the manpower, our pricing is based on our hands-on experience on this project, and I believe that the manpower charged is reasonable.

Regarding the \$13,691.91 claim for 60ft sewer line realignment.

\$13,691/60= \$228 > \$199.85 Bid item 14. Bid item 14 includes excavation, fill, the pipe and all incidentals. The effort should only be here is to reset pipe that is already in a trench that where the cost to dig, backfill this trench and supply the pipe is covered by point repair. I do not know how you are interpreting the bid schedule. Bid Item 14 is for installation of the pipe and associated fittings only. Bid Item 2 covers the excavation and other associated works. The total unit price for excavation and installation per the bid schedule is \$548.54. Our price to realign is around \$228, which is 41.56% of the bid price.

Also,

The contractor provided information on inverts was found to be in error and the actual slope between SMH 20 and 20A was found to be adverse. The corrected information has triggered a revision to the approach. The contractor was reminded to verify these inverts before proceeding. Infratech is reminded about specification 33 01 30.74 parts 4.1 E and F. Both of which pertain to the abandonment of point repair by excavation and by Video. Either one of these sections could apply here, but we have decided to pay for this 60 ft as a point repair with no further consideration. Your statement about contractor providing erroneous inverts is incorrect and does not apply. I sent an email stating clearly that contractor will not be liable for the inverts because the slope and cross section should be provided by the Engineer per the specification 33 01 30.74 part 3.1.A.2. When we verified the inverts, Edith, DCA Engineer was not only present on the site, but also read the rod readings along with our personnel and she confirmed the rod readings. The contractor is not required to provide inverts or determine the uniform slopes per the specifications. Inverts given in the bid documents are completely off. If you have any questions, please contact EOR on this matter. InfraTech is being blamed for its good faith efforts in working with the Inspector to keep the project moving forward and complete the work at the earliest possible. Also, we are not abandoning the point repair as stated in your email. We have to continue the point repair in order to fix the slope/sag issues between MHs 20Asan & 20AAsan. Therefore, specification 33 01 30.74 parts 4.1.E and F is not relevant.

Regards

Ken

On May 26, 2020, at 5:28 PM, Ravindra B. Gogineni <<u>ravi@infratechintl.com</u>> wrote:

Ken,

Attached are the two separate proposals for Realignment & MH Upgrade for your review.

Best Regards, Ravindra B. Gogineni Vice President

4

<image001.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a)

Participant

118 Aspengao CT.

Barrigada, Guam 96913

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

<image002.jpg>2016, 2017, 2018 &

2019 STEP (Safety Training Evaluation Process) Diamond Award

Winner

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<Pipe Realignment Proposal.pdf><MH Upgrade Proposal.pdf>

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991



PROJECT: ASAN-ADELUP-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-402-EPA

PRICE PROPOSAL FOR REALIGNMENT

																					П	H	No.
9	Bonds			P P P P P P P		Social Security Tax	Workmen Comp. Insurance 7.50%		Vacation Pay	Health Insurance	Gas Allowance	Transportation	Superintendent		Labor - Subcon	Labor	Dump Truck	Backhoe	Concrete	Geotextile	Bedding Sand	Realignment of Installed Pipes MHs 20A Upstream	Description
GRAND TOTAL	3.04%	SUB-TOTAL	5%	15%	SUB-TOTAL	7.65%	7.50%	SUB-TOTAL	-	1	Ь	1	Ь	SUB-TOTAL	1	2	L	1	15	1	27	4	QFV
OTAL		TAL			TAL			TAL	Д	1	13	_	_	TAL	1	00	00	00	1	+	36	두	HRS
									25.0	925	250	0.25	9.25	Q	_	7	7	v	1	+	41		_
									0.25	85.0	225	0-25 Mos.	A.ZS Mos	0.1	1	32	8 79	40	15	,	20		τ. ατγ
									Mos.	Mos.	Mos.	Mos.	Mos.		12	Ea.	Hrs.	Hrs.	Ea.	5	Tons		. TRINU
									140.27	327.00	300.00	512.00	4,208.33		3,336.32	15 22.00	75.00	65.00	25.00	250:00	33.50		DUR. T. QTY, UNIT U. PRICE
3,169.77	93.52	3,076.25	•	401.25	2,675.00			2,675.00	,				•	2,675.00	1.756.	375.00		N.	375.00	250.00	1,675.00		MTLS.
4.743.39	139.94	4,603.45		600.45	4,003.00		•	4,003.00			75.00	128.00		3,800.00	16		1,200.00	2,600.00			•		EQUIP.
3,609.63	106.50	3,503.14	166.82		3,336.32	•		3,336.32		•	24			3,336.32	3,336.32	-		9			4		LABOR SUBCON PRIME
2.555.54	75 40	2,480.14	ı.	323.50	2,156.65	143.28	140.47	1,872.90	35.07	81.75	э		1,052.08	704.00		704.00				(4)			LABOR DN PRIME
4.743.39 3,609.63 2,555.54 13,691.93	403.95	13,287,98	166.82	1,325.20	11,795.97	143.28	140.47	11,512.22	35.07	81.75	75,00	128.00	+,052:08	10,140.32	3,336.32	704.00	1,200.00	2,600.00	375,00	250.00	1,675.00		T. D. COST

- NOTES:

 1) We are requesting 5 days for this extra work for the quantity identified in the proposal.
 2) InfraTech will follow the slope of .001 ft/ft as provided by DCA.
 3) Above proposal does not include the bypass operations and will be computed as part of the out standing bypass claim based on the additional days.

COMPILATION OF REPORTS

ROUTE 1 - SEWER REHABILITATION AND REPLACEMENT (ASAN-ADELUP-HAGATNA) PHASE-1

DATE	CPR NO.	ACTIVITY
		1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
19-Jun-20	385	2. Clearing excavated materials and demolished concrete blocks from excavated area to the stock pile at the site.
		3. Jobsite shutdown due to DCA instructed us to standby before pouring the flowable fill for the pipe encasement
		next to the underground water tank because of deflection issues.
20-Jun-20	386	Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
04 1 00	0.07	2. No activity due to weekend.
21-Jun-20	387	Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
00 1 00	000	2. No activity due to weekend.
22-Jun-20	388	Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
		2. No activity (Waiting for DCA approval on Change order to re-excavate and adjust the deflection on the
23-Jun-20	389	PVC pipe starting at 60ft from SMH20A)
23-Jun-20	369	Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
		2. No activity (Waiting for DCA approval on Change order to re-excavate and adjust the deflection on the
24-Jun-20	390	PVC pipe starting at 60ft from SMH20A)
24-Jun-20	390	1. Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
		2. Excavating and widening the trench back from 60ft coupling to 60ft coupling and exposing the new PVC pipe prior to adjust the deflection as per DCA instruction.
		3. Deflecting the PVC pipe from 60ft coupling to 80ft coupling 8 inches from center as per DCA instruction.
		Adding the bedding sand and geotextile after adjusting the deflection from 60ft to 80ft section
		5. Flowable fill pouring for the pipe encasement from 80ft to 100ft section next to the underground water
		lank as per change order.
25-Jun-20	391	Continue monitoring the two bypass pumps and traffic control point repair between SMH20 and SMH20A
		2. Backfilling the trench from 60ft to 90ft for the first layer and commpacting.
		3.Excavating and placing the new PVC pipe form 100ft to 120ft and diffecting the pipe back to the manhole.
		4.Burrying the asbestos pipe next to the PVC pipe in the trench as per DCA instructions and change order.
ï .		5 Flowable fill pouring for the PVC pipe and encasement and asbestos from 100ft to 120ft section next to the
		underground water tank as per change order.



Unit 203 Photo Town Plaza 353 Chalan San Antonio Tamuning, Guam 96913

Project: Route 1 Sanitary Sewer Line Rehabilitation and Replacement - SPOT REPAIR

Location: Asan - Adelup Guam

Date: May 16, 2020

Subject: Change Order - Exploration and Demolition of Existing Concrete Encasement and Disposal of Concrete Debris (SMH 20 to SMH 20A)

TEM	DECSRIPTION	QTY	UNIT	UNIT COST	AMOUNT
12	Exploration and Demolition of Existing Concrete Encasement and Disposal of Concrete Debris - SMH 20 to SMH 20A	1	lot		
	Additional Labor Cost			100	
	Project Engineer	1	lot	\$-1,000.00	\$ 1,000.00
	Supervisor / Engineer(1man)	40	HRS	\$ 37.00	\$ 296 1,480.00
	Skilled (1man)	40	HRS	\$ 26.52	\$ 2 12./(1,060.80
	Semi-Skilled (1 man)	40	HRS	\$ 21.24	\$ /49.92 849.60
	TOTAL COST - ADDITIONAL				\$ 878.04,390.40
	NOTE: Exclusion at no cost to KPL Guam				
	 Using typical standard concrete/rock braker with Excavator - by Infratech 				
	2. Dumptruck and dumping site - by Infratech				

NIGHTTIME WORK

Edith B. Thompson

From: Ravindra B. Gogineni <ravi@infratechintl.com>

Sent: Friday, May 29, 2020 6:56 AM

To: 'Ken Rekdahl'

Cc: 'Editha F. Beltran-Thompson'; 'Naresh Infratech'; 'Pragathi Gogineni'

Subject: RE: RT 1 - Work Across Marine Drive

Follow Up Flag: Follow up Flag Status: Flagged

Ken,

Forklift will be used to place/remove the jersey barriers at the site on a daily basis.

Best Regards, Ravindra B. Gogineni Vice President

InfraTech International, LLC

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.

Barrigada, Guam 96913

Ph: 671-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com



2016, 2017, 2018 & 2019 STEP (Safety Training Evaluation Process) Diamond

Award Winner

<u>Confidentiality Notice</u>: The information contained in this transmission may contain privileged and confidential information. It is intended only for the use of the person(s) named above. If you are not the intended recipient, you are hereby notified that any review, dissemination, distribution or duplication of this communication is strictly prohibited. If you are not the intended recipient, please notify the sender immediately at ravi@infratechintl.com or by telephone at (1-671) 888-5670 and destroy all copies of the original message.

From: Ken Rekdahl < kmrekdahl@dcaguam.com>

Sent: Thursday, May 28, 2020 4:15 PM

To: Ravindra Gogineni <ravi@infratechintl.com>

Cc: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>; Naresh Infratech <naresh@infratechintl.com>; Pragathi

Gogineni cogineni com>
Subject: Re: RT 1 - Work Across Marine Drive

Forklift?

On May 28, 2020, at 3:13 PM, Ravindra B. Gogineni < ravi@infratechintl.com > wrote:

Edith,

See my response below in you email.

Best Regards, Ravindra B. Gogineni Vice President <image002.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT. Barrigada, Guam 96913 Ph: 671-888-5670

Fax: 671-472-5670
Email: ravi@infratechintl.com

Evaluation Process) Diamond Award Winner

.....

<u>Confidentiality Notice</u>: The information contained in this transmission may contain privileged and confidential information. It is intended only for the use of the person(s) named above. If you are not the intended recipient, you are hereby notified that any review, dissemination, distribution or duplication of this communication is strictly prohibited. If you are not the intended recipient, please notify the sender immediately at <u>ravi@infratechintl.com</u> or by telephone at (1-671) 888-5670 and destroy all copies of the original message.

<image004.jpg>2016, 2017, 2018 & 2019 STEP (Safety Training)

From: Editha F. Beltran-Thompson <ebthompson@dcaguam.com>

Sent: Thursday, May 28, 2020 1:13 PM

To: ravi@infratechintl.com

Cc: kmrekdahl@dcaguam.com; 'Naresh Infratech' <naresh@infratechintl.com'>; 'Pragathi Gogineni'

cpragathi@infratechintl.com>

Subject: RE: RT 1 - Work Across Marine Drive

Hi Ravi,

Please clarify my questions.

- 1. Is this for work along Marine Drive only? Yes, only for crossing the Marine Drive (MHs 97 to 98)
- 2. Why there are 2 mobilization cost? That is how Morrico is Charging.
- 3. What is the diesel for? Diesel is for Light Towers & Forklift.

Thank you, Edith

From: Rayindra B. Gogineni [mailto:rayi@infratechintl.com]

Sent: Thursday, May 28, 2020 12:40 PM

To: 'Editha F. Beltran-Thompson'

Cc: kmrekdahl@dcaquam.com; 'Naresh Infratech'; 'Pragathi Gogineni'

Subject: RE: RT 1 - Work Across Marine Drive

Edith.

See the attached cost impact for the night work. Let us know if you have any questions. Thank you.

Best Regards, Ravindra B. Gogineni Vice President <image008.jpg>

EDWOSB, Hub-Zone, SDB, Minority Owned & 8(a) Participant

118 Aspengao CT.

Barrigada, Guam 96913 Ph: 671-888-5670

Pn: 6/1-888-5670 Fax: 671-472-5670

Email: ravi@infratechintl.com

<image009.jpg>2016, 2017, 2018 & 2019 STEP (Safety Training)

Evaluation Process) Diamond Award Winner

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From: Editha F. Beltran-Thompson < ebthompson@dcaguam.com>

Sent: Tuesday, May 26, 2020 11:38 AM

To: 'Ravindra B. Gogineni' < ravi@infratechintl.com>

Cc: kmrekdahl@dcaguam.com

Subject: RT 1 - Work Across Marine Drive

Hi Ravi,

Please submit your anticipated cost impact associated with nighttime work.

Thanks and regards,
Editha F. Beltran-Thompson
Project Construction Engineer – Special Projects
Duenas Camacho & Associates, Inc.
P.O. Box 8900
Tamuning, Guam 96931
238 E. Marine Corps Drive, Suite 201
Hagatna, Guam 96910
Tel: (671) 477-7991
<image010.png>

Kenneth M. Rekdahl, PE Chief of Special Projects Duenas, Camacho & Associates, Inc. 671-477-7991



PROJECT: ASAN-ADELUP-HAGATNA, ROUTE 1 SEWER REHABILITATION AND REPLACEMENT NO.: S15-002-EPA

ADDITIONAL COST FOR NIGHT WORK

		_	_						1							
*									1						ь	No.
Operator - \$ 15.00/hr. Laborer - \$ 10.35/h Aveg - \$ 11.90/hr.	GKA	Bonds		P& 0		SST	WCI		Labor for Traffic Control Daily	Diesel	Mobilization	Forklift	Mobilization	Tower Light	Night Work Cost	Description
15.00/hr. 10.35/hr. (2)	GRAND IOTAL	3.04%	SUB-TOTAL	15%	SUB-TOTAL	7.65%	7.50%	SUB-TOTAL	w	70	1	Ь	1	2	1	Qty
/hr.									2	ы	ь	1	_	1	rs	HRS
									30	30	1	1	ı	1		DUR.
2									180	2100	1	1	1	2		T. QTY.
									Hrs.	Gals.	רצ	Mo.	ᅜ	EĄ.		TINU
								(4.76	150.00	2,195.00	150.00	1,250.00		U. PRICE
	11,844.86	349.46	11,495.40	1,499.40	9,996.00			00.366,6	\$11.90	9,996.00						MTLS.
	5,918.88	174.63	5,744.25	749.25	4,995.00		1	4,995.00			150.00	2,195.00	150.00	2,500.00		EQUIP.
2970.44	5,894.56	173.91	5,720.65 2	746.17	4,974.48	330.48	324.00	4,320.00	4,320.00	2,142						LABOR
. 44		86.16	2.8347	746.17 369.69	4,974.48 2, 464, 59 19,965.48	330.48 /6/.94-	29.00 00:45	1								OTHERS
	23.658.30 20,684.	697.99	90	2,994.82	9 19,965.48	330.48	324.00	19,311.00	4,320.00 2, 142	9,996.00	150.00	2.195.00	150.00	2,500.00		T. D. COST
	20			_			1111	1	219				_			
-	1684.						•	んん	2							

CERTIFIED PAYROLL

INFRATECH INTERNATIONAL, LLC.	IONAL, LLC.										118 ASPE	NGAO CT	118 ASPENGAO CT. BARRIGADA, 96913)A, 96913					
PAYROLL NO. 76			FOR WEE 5/2/2020	FOR WEEK ENDING 5/2/2020	u						ROJECT Asan-Ade Rehabilita	PROJECT AND LOCATION Asan-Adelup-Hagatha, R Rehabilitation and Repla	oute 1	Sewerline		PROJECT NO.	25.0	S15-002-EPA	
NAME, ADDRESS, AND	H/W	WORK	ST.	1000	-	DA	DAY AND DATE	IE 3		3	TOTAL	RATE	GROSS	GROSS	200	DED	DEDUCTIONS	1074	NET WAGES
COLOR	Control of the contro	CONTRACT CONTRACT	OT.	SUN	MON	TUE	WED	크	FRI	SAT	0000	2	THIS JOB	EARNED	3	TAX		DEDUCTIONS	WEEK
JOSEPH, BERTO			0	0.00	0.00	0,00	0,00	0.00	5.50	8.50	14.00	15.53	217.35						
XXX-XX-7372	ď	LABOREX	S	8.50	11.50	8.50	8,50	0.00	3,00	0,00	40.00	10,35	414,00	631.35	48.30	22,84	9.50	71.74	250.21
AIKEN, KIFIRSTSON	0	andoga	0	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.50	15.53	23.29	497 20	22.5	n B	3	An 38	398 04
XXX-XX-0112	ç	Decoron	s	6.50	0,00	7.00	8.50	6.50	6.50	5.00	40.00	10.35	414.D0	101.20	9.40	10.02	0.00	49.20	300.0
LUJAN, SAMMY	C	da/idd	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,50	0.00	51000	vn or	18 45	9	57 47	452 F3
XXX-6151	<u> </u>	Divients	s	0.00	2.00	8.00	8.00	6.00	8,00	0.00	34,00	15.00	510.00	0.00	20,06	0,40	9.00	9,41	100,000
BENAVANTE, JOEL	ņ	E OBENAN	0	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0,00	22.50	0.00	3		3	3	3	8
XXX-XX-5586	ç	CONTRACT	s	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0,00	0,00	0.00	5.5	0.00	9.00
KETE, SILVESTER	2	dagona i	o	0.00	0.00	0.00	0.00	8.00	7.50	7.50	23.00	15.53	357,08	774 ng	500	37 80	3	100 100 100	694 40
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XXX.XX-2561	i.	i	s	0.00	8.00	8.00	8,00	8,00	8.00	0.00	40.00	17.50	700.00	, 00.00	00.00	10.00	0.00		0.00



Mailing Address: Morrico Equipment LLC 197 Ypao Road Tamuning, Guam 96913 PH: 671-649-1946 Bank of Hawaii 13a W. Soledad Axc Ft 7, Haghtra Guarri 970/10 SWITT: DOHITUS77 Wire Routing Number 124301028 ACH Routing Number 124401036

Account Name Morrico Equipment LLC LIN 66-0610067 Account Number 10/38-068989

Account# Work Ord	Brc 01	S1s 63
-------------------	-----------	-----------

53 ESTIMATE

Date Time Order # Page 05-26-20 17:12 1212774 1

Sold To: 000 INFRATECH INTERNATIONAL, LLC 118 ASPENGAO CT

Ship To: INFRATECH INTERNATIONAL, LLC 118 ASPENGAO CT

BARRIGADA GU 96913 BARRIGADA GU 96913 Ship Via Entered By Customer Purchase Order Customer Contact Ord Date VIVIAN 05-27-20 Model Serial Number Equip ID Customer Job # Customer Phone # 472-5670/788-187 Mfg Part Number Description Bin Ord Ship Unit Price UM Extended

RENTAL

1 HYUNDAI 3 TON DIESEL FORKLIFT
190.00/DAY 785.00/WEEK 2195.00/MONTH
1 ROUND TRIP TRANSPORT 150.00

1 WANCO LIGHT TOWER
105.00/DAY 380.00/WEEK 1215.00/MONTH
1 ROUND TRIP TRANSPORT 150.00

SIGNATURE:		
	Total Amount	

Goods returned because of no fault of ours, are subject to a 15% handling charge, and only with consent. All special orders or custom made parts are non-refundable, including all electrical items. No warranties are expressed or implied on goods sold above other than what the manufacturers may warrant, or what Morrico Equipment LLC may warrant separately in writing.

This invoice is certified true and correct and payment therefore has not been received

Payment due upon receipt of invoice. A late payment charge or 1-35% per month (18%) per amonth will be applied on invoices unpaid 30 days from date received. Customer agrees to pay any attorneys fees and cost incurred in collecting past due amounts under this invoice.

BYPASS

11- ITEM # 1

PROJECT: ASAN-ADELUF-HAGATNA, ROUTE I SEWER REHABILITATION AND REPLACEMENT PROJECT NO.: S15-002-EFA

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Page 1 of 1

Exhibit B

GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, GU 96913 Engineering Division Phone: (671) 300-6058 Fax: (671) 647-2621

CHANGE ORDER NO	2

Project No. 8	k Title:	Asan-Adelup-Hagat GWA Project No. S15-00	na, Route 1 Sewerline Rehabilitation	n and Replacement	
Contractor's	Name:	InfraTech International, L			
го:	InfraTech Inter				
fou are direc	ted to make char	nges noted below in the subjec	t contract. The changes are accepted by:		
Ravindr	a B. Gogi	neni, Vice Preside	ent PREPARE	D BY:	
Contractor Re	presentative (Pr	int Name & Title)		7 1	/ /
0	. 10				9/15/200
· N	الله عد	DI /	John Rieg	el P.E.	Date /
· par	mare	U Bal M 09/18/2	2020 Managing	Engineer	
ignature		Date			
			PECOMMI	END APPROVAL:	
i.L. NO.		S277.105321.420000	HECOMMI	END AFFROVAL	
Contract No.	:	811 OS			
endor No.:	`	34405	Barbara C	ruz. PE	Date
Amount:		\$168,737.93	Acting Chie		
nclosures:	1) Summary 2) Measurem 3) DCA Detail	of additional performance to the distribution of additional performance to the tand Payment for Bid Its illed accounting of justifiable	em #58 - 61 e time extension	_	ched hereto.
	4) DCA recor	nmendation for additional s	work items		
	5) InfraTech i	etter - Request for addition	al time		
he changes	result in the fol	lowing adjustment of contra	ct price and time:		
	prior to this cha	-			\$6,755,042.4
	150	Order (subject to approved te	rms & conditions)		\$168,737.93
	-	this Change Order			\$6,923,780.4
		nge Order 662 calendar days			
	-	inge Order 205 calendar days			
		this Change Order 867 calend	par days		
ERTIFIED F	UNDS AVAILAE	ile:			
aling M. Tait	ano				
hief Financia	Officer, GWA				
ate	· · · · · · · · · · · · · · · · · · ·		APPROVED:		
			Miguel C. Bordallo, PE	- -	(Name & Title)
			General Manager		Finance/Accounting
			overer manager	Date:	
				Date.	

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA
InfraTech International, LLC
CHANGE ORDER #5

ADD the following item to the Bid Schedule:

Measurement and Payment

58. Additional By-pass Pumping

Payment for Additional By-pass pumping associated with all added time through July 23, 2020 for all work under this contract shall be made at the contract unit price based on 127 days of additional by-pass pumping. Payment shall be full compensation for all labor, equipment, fuel, set-up, monitoring, coordination with GWA, and all other items necessary for continuous by-pass pumping required to affect the repair work.

	<u>QTY</u>	<u>Unit</u>	Unit Cost	Total Cost
58. Additional By-Pass Pumping	127	Davs	\$823.63	\$104.601.01

59. Expanded Trench Width

Payment for Expanded Trench Width between SMH1402ASAN and SMH18 required to avoid interference with existing communication utilities shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all labor, equipment and materials for work required to excavate and backfill the additional trench width required to avoid existing utilities and install sewer repairs as required.

	<u>QTY</u>	<u>Unit</u>	Unit Cost	Total Cost
59. Expanded Trench Width	1	LŞ	\$33,350.98	\$33.350.98

60. Sewer Alignment Deflection

Payment for Sewer Alignment Deflection at the Navy Vault by SMH20 required to pass the vault shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all labor, equipment, and material required to deflect the pipe past the existing vault.

	<u>QTY</u>	<u>Unit</u>	Unit Cost	Total Cost
60. Sewer Alignment Deflection	1	LS	\$7,127.64	\$7,127.64

61. Night Work

Payment for Night Work required to comply with DPW restrictions for crossing Rt.1 by the Asan Pump Station shall be made at the contract unit price on a lump sum basis. Payment shall be full compensation for all extra costs associated with working at night at the Rt.1 crossing for the

complete road crossing segment and upstream segment parallel to the road for sheet piling, excavation, backfilling, and pipe installation and repair.

	QTY	<u>Unit</u>	Unit Cost	Total Cost
61. Night Work	1	LS	\$23,658.30	\$23,658.30

Summary:

58. Additional By-pass Pumping	\$104,601.01
59. Expanded Trench Width	\$33,350.98
60. Sewer Alignment Deflection	\$7,127.64
61. Night Work	\$23,658.30

Total \$168,737.93

Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
GWA Project No. S15-002-EPA
InfraTech International, LLC
CHANGE ORDER #5

SUMMARY OF ADDITIONAL PERFORMANCE TIME

<u>ltem</u>	<u>Description</u>	Number of additional working days
1	Archaeologist unavailability	20
2	Relocating water line	26
3	Manhole replacement foundation (SMH 1402, 1401, 1400A)	14
4	Buried Utility conflicts	44
	Total additional WORKING days	104
		Number of additional calendar days
	Conversion: working days to calendar days – 104 X 7/5	146
5	AC pipe abatement	59
	Total additional CALENDAR days	205

Associated number of days compensable for additional by-pass pumping:

Total days	205
Minus days for AC pipe abatement (#5 above)	- 59
Minus days for waiting for GTA and GPA (#4 above)	<u>- 19</u>
Total additional by-pass pumping days	127



"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. 07- FY2021

Relative to Indefinite Quantity Contract with JMI-Edison for Submersible Pumps and Motors for GWA Deep Wells

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

This request is for the necessary purchase of pumps and motors to maintain and improve reliability of GWA's water production system. The project is to replenish the inventory of submersible pumps and motors for GWA deep wells to ensure adequate stock is available at all times to quickly bring any wells back into service. The objective is to maintain critical inventory levels for pumps and motors at all times.

Where is the location?

GWA deep well facilities island wide.

How much will it cost?

\$1,496,805.18 for the purchases of submersible pumps and motors during the initial contract term of 3 years.

Submersible Motors	\$231,077.83
Submersible Pumps	\$267,857.23
Est Annual	\$498,935.06
Est 3 Year Contract	\$1,496,805.18

Should GWA approve the two (2) one-year options to renew the contract then the additional funding cost is estimated at Nine Hundred Ninety-Seven Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12). GWA management further seeks a ten percent (10%) contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83).

When will it be completed?

The indefinite quantity contract will be in place for an initial term of 3 years and purchases will be ongoing on an as-needed basis over the life of the contract term.

What is the funding source?

Revenue or Internally Funded CIP.

The RFP/BID responses (if applicable):

- 16 downloaded.
- 1 bid submitted.
- JMI-Edison awarded the Bid.



CONSOLIDATED COMMISSION ON UTILITIES Guam Power Authority | Guam Waterworks Authority

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

GWA RESOLUTION NO. 07-FY2021

RELATIVE TO INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS AND MOTORS FOR GWA DEEP WELLS

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 advertised an Invitation for Bid IFB 2021-01 soliciting cost quotation form experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors and provide adequate stock replenishment when needed; and

WHEREAS, Deep Well Pumps and motors purchases are necessary to maintain its critical inventory of submersible pumps and motors to ensure the reliability of water production island wide; and

WHEREAS, there was one responsive and responsible bidder who met the Submersible Pumps and Motor requirements of IFB 2021-01; and

WHEREAS, IFB 2021-01 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer of Submersible Pumps and Motors made by JMI-Edison was fair and reasonable by the basis of past purchases made [EXHIBIT A]; and

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//

1	WHEREAS, GWA accepted JMI-Edison's bid proposal of indefinite quantity bid of "All
2	or None Bid for Franklin Electric Motors" and "All or None Bid for Franklin and Grundfos
3	Pumps" with an estimated total amount of One Million Four Hundred Ninety-Six Thousand
4	Eight Hundred Five dollars and Eighteen cents (\$ 1,496,805.18) [EXHIBIT B]; and
5	
6	WHEREAS, GWA Management seeks CCU approval of the estimated contract amount
7	of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen
8	cents (\$ 1,496,805.18) for the purchase of Submersible Pumps and Motors for GWA Deep Wells
9	for the initial three-year contract term, as well as an additional Nine Hundred Ninety-Seven
10	Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12) for the possible two
11	(2) one-years options to renew the contract; and
12	
13	WHEREAS, GWA Management further seeks CCU approval of a ten percent (10%)
14	contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-
15	Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring
16	the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred
17	Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83); and
18	
19	WHEREAS, the source of funding for the Submersible Pumps and Motors is Internally
20	Funded Capital Improvement Projects; and
21	
22	NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities
23	does hereby approve the following:
24	1. The recitals set forth above hereby constitute the findings of the CCU.
25	2. The CCU finds that the terms of the bid proposal submitted by "JMI-Edison"
26	are fair and reasonable.
27	3. There was no indication of bad faith or fraud in any of the procurements
28	contained herein.
29	
30	
31	
	2

- 4. All of the procurement herein are in the best interest of the territory of Guam and Guam Waterworks Authority.
- 5. The CCU hereby authorizes GWA management to proceed in the purchase pumps and motors for GWA Deep Wells in the total amount of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen cents (\$1,496,805.18) for the initial three-year contract term as specified in the IFB 2021-01 "Indefinite Quantity Bid, and with two (2) one-year options to renew, subject to availability of funds and agreement between the parties (Exhibit A).
- 6. The CCU hereby further approves the funding total of One Million Four Hundred Ninety-Six Thousand Eight Hundred Five dollars and Eighteen cents (\$ 1,496,805.18) for the initial 3-year contract term, as well as an additional Nine Hundred Ninety-Seven Thousand Eight Hundred Seventy Dollars and Twelve Cents (\$997,870.12) for the possible two (2) one-years options to renew the contract.
- 7. The CCU hereby further approves a ten percent (10%) contingency to the possible overall life of the contract (five-year term), of Two Hundred Forty-Nine Thousand Four Hundred Sixty-Seven Dollars and Fifty-Three Cents (\$249,467.53) to bring the total authorized funding to Two Million Seven Hundred Forty-Four Thousand One Hundred Forty-Two Dollars and Eighty-Three cents (\$2,744,142.83)
- 8. GWA Management is hereby authorized to seek PUC approval with the contract of IFB 2021-01 since the contract exceeds One Million Dollars (\$1,000,000.00) as required by Docket 00-04.

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

28 // 29 // 30 // 31 //

	Certified by:	Attested by:
	JOSEPH T. DUENAS	MICHAEL T. LIMTIACO
	Chairperson	Secretary
	SECRETA	ARY'S CERTIFICATE
	I, Michael T. Limtiaco, I	Board Secretary of the Consolidated Commission o
	Utilities as evidenced by my signa	ture above do hereby certify as follows:
	The foregoing is a full, tru	e and accurate copy of the resolution duly adopted at
	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
	quorum was present and the memb	pers who were present voted as follows:
	AYES:	
	NAYS:	
	ABSENT:	
	ABSTAIN:	
//		
//		
//		
//		
//		

EXHIBIT A



GUAM WATERWORKS AUTHORITY

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

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

SUBJECT: Invitation to Bid No. GWA 2021-01

Ref: Submersible Pumps & Motors

FROM: Evaluation Committee Members

REF: Recommendation of Award

DATE: December 30, 2020

Invitation for Bid No: GWA 2021-01 was officially announced and advertised in the Pacific Daily News, Guam Daily Post and Guam Waterworks Authority Website on October 28, 2020 and Bid submission time 10:00 am and virtually opened as scheduled on December 16, 2020 @ 11:00 am Sixteen (16) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

JMI Edison
 CDPW Inc.
 Island Equipment Company
 Water Works
 Gateway International Inc.
 THWilson Bonds
 Wang's Brother's Holding

5. BidPrime, Inc 15. Utilities Services Specialists, Inc DBA, USSI

6. Frontier Supply Co. 16. Sherman Consulting

7. Indingo Piping Systems

9. Whitteo Inc. DBA Hydra-Air Pumps

10. Louis Allis, LLC

Of the sixteen (16) Two (2) submitted proposals, namely:

JMI Edison

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Frontier Supply co.

Evaluation:

The evaluation committee convene on December 21, 2020 @ 10:30 a.m., and thereby determined, JMI Edison's bid proposal submitted the lowest cost for the following line items below, JMI Edison further complied with all requirements and specifications specified in IFB 2021-01, therefore, the evaluation committee hereby recommends to proceed with the Low temperature motors, and submersible pumps.

JMI Cost Proposal: Low Temperature Motors, Offering Franklin Electric:

ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	EXTENSION
1.1 A	Submersible Motor 10 HP	1	\$2,218.17	\$2,218.17
1.1 B	Submersible Motor 20 HP	2	\$2,797.88	\$5,595.76
1.1 C	Submersible Motor 30 HP	1	\$3,487.42	\$3,487.42
1.1 D	Submersible Motor 40 HP	3	\$4,023.70	\$12,071.10
1.1 E	Submersible Motor 50 HP	3	\$5,332.76	\$15,998.28
1.1 F	Submersible Motor 60 HP	3	\$6,110.36	\$18,331.08
1.1 G	Submersible Motor 75 HP	3	\$11,171.65	\$33,514.95
1.1 H	Submersible Motor 100 HP	4	\$12,330.12	\$49,320.48
1.1 I	Submersible Motor 125 HP	2	\$16,179.37	\$32,358.74
1.1 J	Submersible Motor 150 HP	3	\$19,393.95	\$58,181.85

Total Cost: \$231,077.83

-JMI	Edison	Subm	ersible	Pumne	Cost P	roposal:
OTATE	Luison	Subili	CISIDIC	i umus '	CUSLI	LODUSAL.

	ovii Edison Submersible I dinps Cost I Toposai.					
ITEM NO.	DESCRIPTION	EST QTY	UNIT COST	EXTENSION		
3.1 A	SUBMERSIBLE PUMP	1	\$1,020.24	\$1,020.24		
	70SR7, 6" X 8 STAGE		. <u>2</u>	+ -, · - · · <u>-</u> ·		
3.1 B	SUBMERSIBLE PUMP	1	\$1,395.34	\$1,395.34		
	70SR15, 6" X 15 STAGE			,,-		
3.1 C	SUBMERSIBLE PUMP	1	\$1,484.16	\$1,484.16		
	150SR30, 6" X 14 STAGE		,			
3.1 D	SUBMERSIBLE PUMP	1	\$1,885.65	\$1,885.65		
	50SR40, 6" X 19 STAGE		,			
3.1 E	SUBMERSIBLE PUMP	1	\$1,843.64	\$1,843.64		
	175SR20, 6" X 8 STAGE		,	+ -,0 12.0 1		

3.1 F	SUBMERSIBLE PUMP 175SR25, 6" X 10 STAGE	2	\$2,147.92	\$4,295.84
3.1 G	SUBMERSIBLE PUMP 175SR30, 6" X 12 STAGE	1	\$2,459.99	\$2,459.99
3.1 H	SUBMERSIBLE PUMP 175SR40, 6" X 14 STAGE	10	\$2,714.46	\$27,144.60
3.1 I	SUBMERSIBLE PUMP 175SR40, 6" X 16 STAGE	3	\$2,981.52	\$8,944.56
3.1 J	SUBMERSIBLE PUMP 175SR50, 6" X 18 STAGE	1	\$3,253.38	\$3,253.38
3.1 K	SUBMERSIBLE PUMP 250SR25, 6" X 9 STAGES	1	\$1,578.98	\$1,578.98
3.1 L	SUBMERSIBLE PUMP 250SR30, 6" X 10 STAGES	3	\$1,674.40	\$5,023.20
3.1 M	SUBMERSIBLE PUMP 250SR40, 6" X 12 STAGES	3	\$1,937.27	\$5,811.81
3.1 N	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	\$2,349.56	\$9,398.24
3.1 O	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	\$2,327.96	\$23,279.60
3.1 P	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	\$2,942.51	\$5,885.02
3.1 Q	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	\$3,223.97	\$9,671.91
3.1 R	SUBMERSIBLE PUMP 325SR25, 6" X 7 STAGES	1	\$1,541.17	\$1,541.17
3.1 S	SUBMERSIBLE PUMP 325SR40, 6" X 9 STAGES	2	\$1,842.45	\$3,684.90
3.1 T	SUBMERSIBLE PUMP 325SR40, 6" X 11 STAGES	1	\$2,236.14	\$2,236.14
3.1 U	SUBMERSIBLE PUMP 325SR50, 6" X 13 STAGES	13	\$2,552.42	\$33,181.46

w (8)

3.1 V	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	\$3,319.40	\$6,638.80	
3.1 W	SUBMERSIBLE PUMP 325SR75, 6" X 21 STAGES	1	\$4,905.58	\$4,905.58	
3.1 X	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	\$3,494.64	\$3,494.64	
3.1 Y	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	\$4,736.93	\$9,473.86	
3.1 Z	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	\$5,418.10	\$16,254.30	
3.1 AA	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	\$5,426.50	\$16,279.50	
3.1 AB	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	\$6,226.49	\$12,452.98	
3.1 AC	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	\$9,468.84	\$18,937.68	
3.1 AD	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	\$9,468.84	\$18,937.68	
3.1 AE	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	\$5,462.38	\$5,462.38	
			Total	Cost: <u>\$267,857.23</u>	
Submersible Motors & Pumps: JMI Edison Total Cost for Sub Motors: JMI Edison Total Cost for Sub Pumps:				\$231,077.83 \$267,857.23	
Grand Total				<u>\$498,935.06</u>	
Based on Est Qty: Total Cost for 3-year term:				\$1,496,805,18	
2-year option/ 1-year terms:					
1-year Option	ı		<u>\$498,935.06</u> Estimate		
1-year Option	L			<u>\$498,935.06</u> Estimate	

4

€ 1 € 50%

\$2,494,675.30 Grand Total – 5 Year Term

Contract Term:

Ant the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledgment receipt of a Notice to Proceed from GWA. The initial term of the contact is three (3) years with option of one (1) year renewal for two (2) years or a single (2) year renewal option, subject to availability of funds and agreement between the parties.

Award hereby subject to CCU and PUC review and approval.

Ron Topasna, Operations Maintenance Manager.	
Ray Quintanilla, Water Plant Operator Supervisor.	
Nicolas Cabo, Buyer II	
Your approval is greatly appreciated.	

Concurred and accepted by the committee members:

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

Antonio Camacho

Reviewed by legal:

[]CONCURRED []UNCONCURRED

VINCENT ED. GUERRERO, SMA

[APPROVED

[] DISAPPROVED

MIGUEL C. BORDALIO, P.E. GENERAL MANAGER

EXHIBIT B



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

NOTICE OF CONDITIONAL AWARD

Date: January 05, 2021

JMI Edison Guam 130 Siket St. Harmon Industrial Park Tamuning, GU 96913 Phone-#671-646-6400 Fax-#671-649-5685

Re: Invitation for Bid Number: GWA IFB-2021-01

For: Submersible Pumps & Motors

Hafa Adai Mr. Oriondo,

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JMI Edison, for the above described reference in response to its Advertisement for Bids dated October 26, 2020 you are hereby notified of your bid offer on Item Numbers, 1.1A, 1.1B, 1.1C, 1.1D, 1.1E, 1.1F, 1.1G, 1.1H, 1.1I, 1.1J, 3.1A, 3.1B, 3.1C, 3.1D, 3.1E, 3.1F, 3.1G, 3.1H, 3.1I, 3.1J, 3.1K, 3.1L, 3.1M, 3.1N, 3.1O, 3.1P, 3.1Q, 3.1R, 3.1S, 3.1T, 3.1U, 3.1V, 3.1W, 3.1X, 3.1Y, 3.1Z, 3.1AA, 3.1AB, 3.1AC, 3.1AD, 3.1AE, been accepted by GWA.

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

Please note this Notice of Award is conditional on obtaining the approval of the Guam Consolidated Commission on Utilities for any award over \$750,000 and the approval of the Guam Public Utilities Commission where the total value over the life of the contract could exceed \$1M. Also, award is conditional upon providing proof of business license required to be submitted to GWA under the Bid or Guam law.

1

You are required to return an acknowledged copy of this Condition	onal Notice of Award to GWA Procurement
Office	

Sincerely,

Miguel C. Bordallo. P.E. General Manager

ACCEPTANCE OF CONDITIONAL NOTICE OF AWARD

Receir	ot of the above	Notice of Conditiona	A ward for GWA	IFR No GWA	2021-01 is here!	v acknowledged

By: Nature Title: Pomo OPIMDO (Please Print)

Dated this 7th day of January , 2021.

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



"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. 08-FY2021

Relative to Approving the Guam Waterworks Authority's 2021 Employee Recognition Program Budget

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

GWA Management recognizes the employees are its valuable asset in maintaining high employee morale and retention. The implementation of a well-run Employee Recognition Program (ERP) is essential to maintain morale and employee retention which are inherent requirements of Section 3.4 Volume 1 of the Water Resources Master Plan to achieve employee satisfaction and pride identified as a strategic level of service (LOS).

Where is the location?

The ERP will be implemented and maintained by the Human Resources Division and Program Managers within the Guam Waterworks Authority.

How much will it cost?

Request for budget approval based on the activities presented is \$30,000.00.

When will it be completed?

The program implementation is ongoing based on the annual approval of its program budget by the CCU.

What is the funding source?

Revenue funded.

The RFP/BID responses (if applicable):

Not applicable



CONSOLIDATED COMMISSION ON UTILITIES Guam Power Authority | Guam Waterworks Authority

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

GWA RESOLUTION NO. 08-FY2021

RELATIVE TO APPROVING THE GUAM WATERWORKS AUTHORITY'S 2021 EMPLOYEE RECOGNITION PROGRAM BUDGET

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 Management recognizes its employees are its most valuable asset in maintaining high employee morale and retention; and

WHEREAS, GWA Management has presented an Employee Recognition Program which is an inherent requirement to achieve its strategic goal identified in Section 3.4 Volume I of the Water Resources Master Plan.

WHEREAS, GWA Management has presented a budget summary (appendix A) in the amount of \$30,000.00 to implement its Employee Recognition Program; and

WHEREAS the total budget request for the 2021 Employee Recognition Program represents three hundredths of a percent (.0003) of GWA's annual revenues; and

WHEREAS the Executive Sponsor for the 2021 Employee Recognition Program is the Assistant General Manager of Administration & Support.

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	NOW RE IT THEREFORE	E RESOLVED ; the Consolidated Commission on Utilities
does	hereby approve the following:	ALEGE VED, the consonance commission on ounities
does .		th above hereby constitute the findings of the CCU.
		at GWA Employee Recognition Program's budget will be
	reviewed and appro	
	• •	approves the use of budgeted FY2021 funds for the
	-	approves the use of suageted 1 12021 rands for the amount of \$30,000.00 subject to
	availability of fund	
	•	nan certified, and the Board Secretary attests to the adoption
of thi	is Resolution.	
	DULY AND REGULARLY	ADOPTED , this 26 th day of January 2021.
	Certified by:	Attested by:
	·	,
	JOSEPH T. DUENAS	MICHAEL T. LIMTIACO
	Chairperson	Secretary
	SECR	ETARY'S CERTIFICATE
	I, Michael T. Limtiae	co, Board Secretary of the Consolidated Commission on
	Utilities as evidenced by my s	signature above do hereby certify as follows:
	The foregoing is a full	l, true and accurate copy of the resolution duly adopted at a
	regular meeting by the mem	bers of the Guam Consolidated Commission on Utilities,
	duly and legally held at a p	place properly noticed and advertised at which meeting a
	quorum was present and the n	nembers who were present voted as follows:
	AYES:	
	NAYS:	
	NAYS:ABSENT:	



Aturidat Kinalamten Hanom Guahan "Better Water. Better Lives."

Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913 P.O. Box 3010, Hagatria, Guam 96932 Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

APPENDIX A

Budget Summary:

The 2021 Employee Recognition Program (ERP) committee seeks to utilize a budget in anticipation of hosting events listed below. The committee may consider adding/or replacing activities or events based on evaluating the impact of COVID-19.

Proposed Budget:

Retirement Recognition	\$2,500
Employee Service Recognition	\$7,000
Meet and Eat with the General Manager	\$4,400
GWA Military Service Members Recognition	\$2,500
Annual Employee Recognition Awards Event	\$7,500
Health Awareness Campaigns	\$1,600
GWA Wellness Program and Sports Leagues/Tournament Sponsorships	\$3,500
Other Ad Hoc Activities	\$1,000
	\$30,000