

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 5:30pm, Tuesday, October 25, 2022 AGENDA

- 1. CALL TO ORDER
- 2. APPROVAL OF MINUTES
- 3. PUBLIC COMMENTS (Limit to 2 minutes)
- 4. GPA
 - 4.1 GM Report
 - 4.2 Financial
 - **4.3** Relative to Approval of Engineering, Procurement and Construction Management Contract/Resolution FY2023-01
 - 4.4 Relative to Approval of Property Insurance/Resolution FY2023-02

5. GWA

- 5.1 GM Report
- 5.2 Financial
- 5.3 Relative to Approval of the Southern SSES Rehabilitation Phase II (Baza Gardens Talofofo Santa Rita) Construction Contract Increase (GWA Project No. S15-001-EPA)/ Resolution No. 01-FY2023
- 5.4 Relative to Approval of the Funding Increase to the IQ Contract with JMI-Edison for Submersible Pumps and Motors for Deep Wells / Resolution No. 02-FY2023
- 5.5 Relative to Requesting Approval to Procure Construction Services Related to the Ugum Surface Water Treatment Plant Rehabilitation / Resolution No. 03-FY2023

6. OTHER DISCUSSION

7. ANNOUNCEMENTS

7.	1	Nevt	CCII	Meetings:
Ι.	1	INCVL	-	wicetings.

Nov. 10, 2022 CCU Special Meeting – Evaluations
Nov. 14-18, 2022 CCU Special Meeting – Evaluations
Nov. 21, 2022 CCU Special Meeting – Evaluations

Nov. 15, 2022 GWA Work Session Nov. 17, 2022 GPA Work Session

Nov. 22, 2022 CCU Regular Monthly Meeting

8. ADJOURNEMNT



CONSOLIDATED COMMISSION ON UTILITIES

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Regular Board Meeting CCU Conference Room, Gloria B. Nelson Public Service Building 5:30 p.m., Tuesday, September 27, 2022

MINUTES

1. CALL TO ORDER

The Chairman called the regular board meeting to order at 5:40pm. He indicated that there will be action items to be presented from both the Guam Power Authority (GPA) and Guam Waterworks Authority (GWA). He announced for the record that all Commissioners were present for a quorum, Commissioners Limtiaco, Martinez, Sanchez and himself; with the exception of one vacancy. He verified that there were no public comments on-line or signed in, Candice confirmed. He stated that there will be no approval of minutes at this meeting due to the Board Secretary being off-island.

Commissioners:

Joseph T. Duenas Chairman
Michael Limtiaco Vice Chairman
Pedro Roy Martinez Secretary
Simon A. Sanchez Commissioner

Executive Management:

GPA: GWA:

John Benavente, GM Miguel Bordallo, GM

Graham Botha, Legal Counsel
Tricee Limtiaco, AGMA
Therese Rojas, Legal Counsel
Christopher Budasi, AGMAS

John Cruz, AGMETS (Online) Tom Cruz, AGMO Melinda Mafnas, AGMO Taling Taitano, CFO

John Kim, CFO

Management and Staff:

GPA: GWA:

Joyce Sayama, Communications Manager Candice Ananich, MA III Reginald Diaz, MA III Vien Wong, IT Vlad Navasca, IT Evangeline Lujan, Compliance and Safety Ann Borja-Gallardes, MA IV

2. APPROVAL OF MINUTES

The review and approval of the regular board meeting minutes for August 23, 2022 is tabled to next month.

3. PUBLIC COMMENTS

No public comment was presented for this meeting.

4. GWA

4.1 GM Report

No updates were made to the GWA GM report.

CCU Regular Board Meeting September 27, 2022 Page **2** of **6**

Commissioner Sanchez shared that he is pleased with the Zoom discussion he attended, led by GM Miguel Bordallo and his advisory team on plans for addressing water loss, he stated that they've got a good program ready to be executed, he's impressed with the presentation and that they've done a great job working with EPA and grants. He congratulated Miguel and his team for successfully completing the Northern Wastewater Treatment Plant without additional costs to the rate payers. Water loss is a big focus and he's encouraged by the plans he's heard and that he'd like for GWA to share with rate payers how money is being used by identifying the improvements that have been made.

5:44pm Chairman called a 2min. recess due to a technical interference possibly affecting the live stream broadcast.

5:49pm Meeting resumed with the Chairman restating the purpose for the recess being to resolve technical interferences to ensure suitable public viewing, broadcast and recording, the meeting was resumed once the issue was fixed. He stated for the record that all Commissioners were still present, that no action was made during the recess and that the meeting will continue with GWA GM Miguel Bordallo still presenting.

4.2 Financial

No updates to financial report.

4.3 Relative to the Approval of the Engagement Letter for FY2022-FY2025 Audits / Resolution No. 31-FY2022

An annual audit of Guam Waterworks Authority's financial statement is required by a) public law 12 GCA Chapter 14 14113(c), b) the bond indenture, and c) federal grantors if more than \$750,000 in federal award funds are expended during a fiscal year.

An engagement letter is required by accounting and auditing standards between the auditor and client. The auditors require that the audit engagement letter be expressly authorized by the Consolidated Commission on Utilities.

RFP 2022-03 was issued on June 9, 2022. There was only one proposal received on July 14, 2022, in response to the RFP. A notice of conditional award was issued to Ernst & Young on August 8, 2022 and on August 17, 2022. Purchase Order 501580 OP was issued.

Mr. Miguel Bordallo, is requesting for an engagement letter for audit services to be signed by the Board to enter into an auditing agreement to satisfy the requirement of law to issue annual financial statements, this matter would normally not be brought before the board because the amount falls within the General Manager's threshold of authority, however, because the audit firm selected requires an engagement letter of authorization by the CCU this matter is being presented for approval today.

Motion to approve Resolution No. 31-FY2022 was made by Commissioner Pedro Roy Martinez, seconded by Commissioner Michael Limtiaco. [Resolution passed - 4 Ayes, 0 Nays]

4.4. Relative to Approval of the Guam Waterworks Authority FY2023 Budget / Resolution No. 32-FY2022

CCU Regular Board Meeting September 27, 2022 Page **3** of **6**

As required by the Public Utilities Commission (PUC) FY20 Rate Decision and Order on May 1, 2021 GWA submitted the Comprehensive Review and Update (CR&U) to GWA's Five Year Financial Plan for Fiscal Years FY20-FY24 to the PUC. That same Rate Decision and Order approved rate adjustments for FY20 through FY21. To date, no further action by PUC has been taken in response to GWA's request to implement a new rate design and rate schedule as submitted in May 2021 for the remaining fiscal periods FY22 through FY24.

In the absence of rate relief for FY22, management was required to adopt a "rollover" of the FY21 budget and tap into GWA's reserves to manage operational demands and financial risks to debt service coverage.

While the PUC has scheduled a hearing on the CR&U for September 22, 2022 management is prepared to implement an operating budget for FY23 in the event the PUC takes no further action before the start of the new fiscal year on October 1, 2022.

Management presented two (2) budgets, one for approval and the other for informational purposes.

- 1. The first being a budget request with no changes to rates or rate design:
 - a. Revenues remain flat with projections at \$103 million, plus an addition \$18 million from GWA's Rate Stabilization Fund (RSF) and the American Rescue Plan Act (ARPA) funds to increase total fund sources to about \$121 million.
 - b. Operating expenses are estimated at \$74 million, about 10% more than annualized FY22 plus a \$6 million increase in debt service payment from \$33 million to \$39 million.
 - c. Debt service coverage is projected at 1.3x
 - d. Reserves are essentially depleted.
- 2. The second presentation provides updated projections to the original CR&U assuming GWA's proposed rate design is implemented in FY23:
 - a. Revenues generated by the new rate design with a conservative customer growth of 1% for both water and wastewater is projected to generate a \$111 million plus ARPA funds and transfers of \$9.3 million from RSF for total fund sources of \$121 million,
 - Operating expenses are the same as Option 1 at \$74 million, plus debt service payments of \$39 million.
 - c. Debt service coverage with Option 2 remains at 1.3x
 - d. Use of reserves is reduced and prudent amount maintained

Authorization is required before the start of the new year on October 1, 2022 and end by September 30, 2023.

The funding source for both options will be generated by rates and transfers from the RSF and ARPA funds.

Mr. Bordallo presented the budget as proposed above, requesting approval for proposed FY2023 GWA budget prior to the upcoming fiscal year.

CCU Regular Board Meeting September 27, 2022 Page **4** of **6**

Chairman Duenas – clarified for the record that the information presented at this meeting should have been updated to reflect the new rate results. He further clarified that the version presented today has been broken down to reflect the new rates, GWA CFO, Ms. Taling Taitano confirmed.

Motion to approve Resolution No. 32-FY2022 FY was made by Commissioner Michael Limtiaco, seconded by Commissioner Peter Roy Martinez. [Resolution passed, 4 Ayes, 0 Nays]

4.5 Relative to Clarifying the GM's Contracting Approval Authority GWA Resolution 33-FY2022 / GPA Resolution FY2022-31

GWA and GPA joint resolution discussion started with GPA Legal Counsel, Mr. Graham Botha indicating that this action item was being presented to clarify both GPA and GWA General Manager's authority to approve change orders not to exceed 20% of the originally approved contract amount threshold.

Chairman Joey Duenas questioned whether the approval of this Resolution would cancel out GWA's normal practice of adding 10% contingency fund to their originally negotiated contract amount, that this merely changes the 10% to now allow for 20% authority over change orders to projects. Mr. Bordallo indicated that to his understanding, this makes the contingency allowance his agency usually allocates in line with what the PUC already does with the current review protocol of allowing for 20% contingency.

Commissioner Limtiaco asked if the 20% request is irrespective of the current million-dollar limit or 20% of the total project. Mr. Botha indicated that the request is 20% of the originally approved contract amount similar to what the PUC approves for.

Simon expressed his concern by the Board being excluded from decisions on project cost increases. He understands the smaller amounts; however, this resolution is not specific to that. His concern is that the governing Board needs to know the reason for increases. Mr. Benavente suggested a limit or cap be made on the amount; furthermore, that the Board can require both agencies to report back to the Board when changes need to be made, but that not having to go through the approval process will allow for more flexibility when minimal changes are needed.

Commissioner Limtiaco questioned both Legal Counsels as to whether this resolution is needed.

Mr. Botha explained that there is currently nothing that clarifies either GM's authority to approve change order and that is what is hoped to accomplish today.

Ms. Rojas explained that the PUC provides an automatic 20% contingency. GWA typically includes 10% contingencies over whatever amount approval is being requested for by the PUC; however, based on her experience with most recent contract reviews, when a petition has been filed, the PUC has denied that request and automatically applies their 20% allowance. This resolution does align with the PUC practice. Their practice is embedded within the contract review protocol making the 20% contingency automatic, no matter what amount is being asked.

Chairman Duenas asked GPA if it would make it easier if the Board were to approve a contract and allow for an approved contingency amount as it does now for GWA.

CCU Regular Board Meeting September 27, 2022 Page **5** of **6**

Mr. Bordallo stated that no matter what contingency the CCU approves, PUC protocol and practice approves only the basic contract amount because they're automatically providing a 20% allowance to avoid having to go back for further approval and this has worked for GWA. The only thing misaligned is that the PUC gives 20% contingency when GWA asks for 10%; therefore, it is his understanding that this resolution is to align the amount.

This resolution was not voted on and officially cancelled as it was deemed unnecessary.

5. GPA

5.1 GM Report

No updates were made to GPA GM report

5.2 Financial

No updates were made to the GPA Financial report

5.3. Approval of the Phase IV Renewable Acquisition Multistep Bid / Resolution FY2022-30

The execution of this project will contribute towards GPA's goal to meet the Renewable Portfolio Standards adopted under Guam Public Law 35-46 which requires 50% of GPA's net sales to come from Renewable Energy (RE) by 2035. Please see attached Renewable Portfolio Standards (RPS) Tracking Projection thru 2040.

According to this projection, the completion of Phase IV Renewable Acquisition will result in GPA having approximately 40% of net sales coming from RE production by 2026 giving ample time for GPA to continue building its renewable capacity to 50% by 2035. Without the Phase IV Renewable Resource Acquisition Project Completion, GPA anticipates that at years 2026 to 2029 only about 23% of net sales will be from RE production. Approximately 27% of net sales would still need to be served by RE in order for GPA to meet the 50% RPS. In this case, GPA would have to more than double its RE capacity in 2026 over nine years.

The exact project site will be determined by the winning proposal's proposed location.

The renewable energy resource shall be available for commercial operation within thirty-six (36) months from the contract execution. Below is a tentative bid milestone for the project. Please note that these dates will shift according to PUC's approval date of the solicitation documents for this project.

GPA intends to seek LEAC recovery for renewable energy contracts.

This request is to obtain authorization to proceed to petition approval bid documents before solicitation on the Phase IV Renewable Acquisition Multistep Bid, under procurement protocol PUC approval is needed.

Mr. Benavente requested for approval to proceed with the multi- step bid in accordance with procurement protocol for PUC approval. Mr. Benavente provided different scenarios and highlighted some goals for GPA's clean energy plan, that of the reduction of the use of barrels of oil to 1.9 million, clean emissions up to 99.9%, he shared that Piti 8 & 9 are now fully operating on Ultra Low Sulfur Diesel (ULSD), that only Cabras is burning residual oil but will be finishing that by the end of the week and will transition to 0.2% LSRFO; he shared that projected contracted

CCU Regular Board Meeting September 27, 2022 Page **6** of **6**

production costs are at \$0.1162 cents; he stated GPA will be at 40% renewables by 2026, together with the renewables, the future power plant will sustain rates and will not be significantly impacted by fuel oil price increases, because the more renewables are added, the less oil is burned.

Commissioner Sanchez requested that pages 191 and 192 be simplified so that rate payers can understand it better, those 2 pages demonstrate the different scenarios and how the rates are affected. He asked that it be translated in a way that the average rate payer can clearly see how this affects them and the reason why this is being done.

Motion to approve Resolution FY2022-30 was made by Commissioner Michael Limtiaco, seconded by Chairman Pedro Roy Martinez, with no objections. [Resolution passed - 4 ayes, 0 nays]

5.4 Relative to Clarifying the GM's Contract Approval Authority / GPA Resolution FY 2022-31/ GWA Resolution 33-FY2022

Relative to Clarifying the Obligating Authority for the General Managers of the Guam Power Authority and the Guam Waterworks Authority

The current obligating authority granted to the General Managers of GPA and GWA by the CCU is limited to \$1,000,000.00. The objective is to authorize the General Managers an increase in obligating authority to approve change orders which shall not exceed 20% of the originally approved contract amount.

Resolution has been cancelled as earlier discussed in this meeting.

6. OTHER DISCUSSION

None

7. ANNOUNCEMENTS

Next CCU Meetings:

GWA Work Session: Oct. 18 GPA Work Session: Oct. 20

CCU Regular Monthly Meeting: Oct. 25

8. ADJOURNMENT

Commissioner Michael Limtiaco made a motion to adjourn, the meeting adjourned at 7:37pm with no opposition.

GM REPORT

OCTOBER 2022





Generation Status

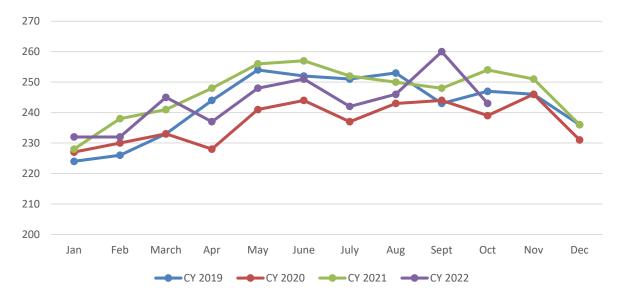
1. Reserve Margin Forecast for November 2022:

Projected Available Capacity: 321 MW
Projected Demand: 252 MW
Anticipated Reserve Margin: 69 MW

No extended base load outage planned for the month

2. System Peak Demand:

Peak MW Demand Ending Oct 12, 2022



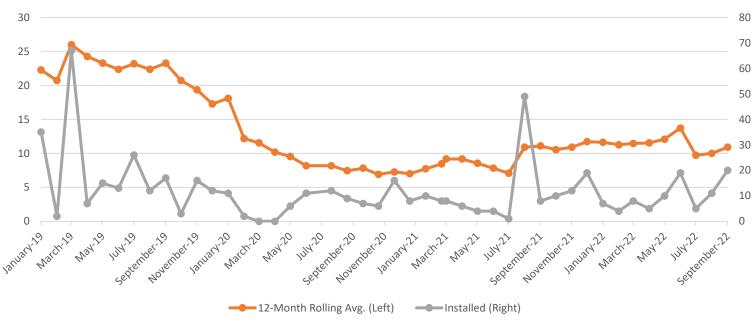




Net Metering (NEM)

3. Net Metering (NEM) Growth Thru September 2022:

NEM Growth Sept 2022: 2,384 Customers; 29,994 kW



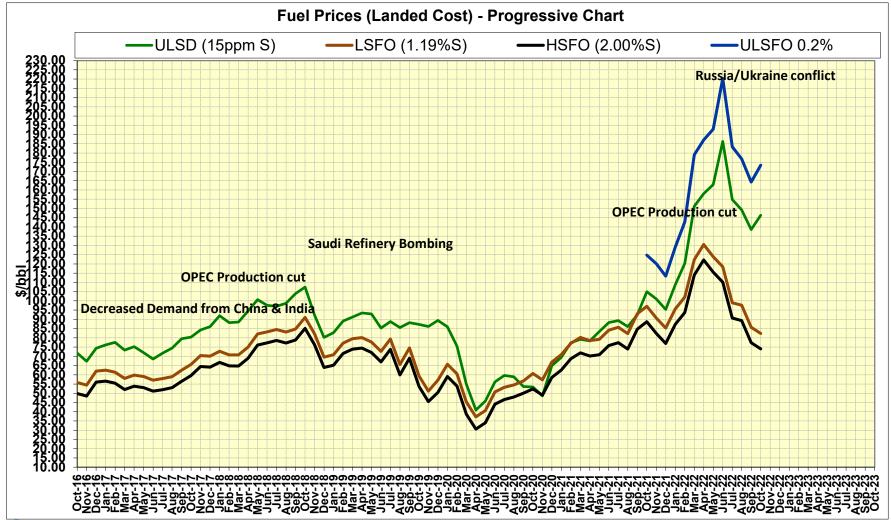
Category	Count	Percentage	Average kW
Residential	2204	92.4%	9.7
Commercial	155	6.5%	49.6
Government	25	1.0%	34.8
Total:	2384		





GPA Fuel Landed Cost (Per Barrel) Thru Oct. 13, 2022

4. 0.2% LSRFO \$173.36; ULSD \$146.33







General Manager's Report (cont'd)

5. PUC Update:

Thursday, October 27, 2022 Meeting Agenda Items:

- GPA Docket 23-01, Petition for Approval of the Phase IV Renewable Acquisition for GPA
- GPA Docket 22-15, PUC Review of LEAC pursuant to June 16, 2022 PUC Order

<u>Dockets Approved at Thursday, September 29, 2022 Meeting:</u>

- GPA Docket 22-16, Petition for Extension of the Term of the Lease Agreements for Pipeline and RFO Storage with Tristar Terminals -Approved
- GPA Docket 22-17, Petition Extension of Dock Facility Agreement with Tristar Terminals -Approved
- GPA Docket 22-18, Petition to Extend the Contract for the Management,
 Operation, and Maintenance of GPA's Fuel Storage Facility with ISLA Petroleum
 Energy -Approved
- GPA Docket 22-19, Petition to Approve Contract with TEMES for Macheche CT Repairs -Approved
- GPA Docket 22-20, Petition to Approve Bond Refinancing Savings for Capital Lease and O&M Expense of the Ukudu Power Project -Approved





General Manager's Report (cont'd)

6. Customer Assistance Programs

October 2022

- \$1.043M (1,494 households) Guam Homeowner Assistance Fund Program (HAF)
- \$3.045M (2,011 households) Emergency Rental Assistance Program (ERA)
- \$21,039,300 (~51,000 residential, multi-meter, commercial accounts; July-October 2022) Prugråman Ayuda Para I Taotao-ta Energy Credit

7. DSM Online Report Update- September 2022

APPLICATIONS

Month	Applications	Commercial	Residential
Aug-22	217	0	217
Sep-22	487	7	480
TOTALS	704	7	697

AVERAGE REBATE PER APPLICATION

Con	nmercial	Residential		
\$	278.57	\$	278.55	

EQUIPMENT

Month	Equipment	Commercial	Residential
Aug-22	316	0	316
Sep-22	667	12	655
TOTALS	983	12	971

AVERAGE REBATE PER EQUIPMENT

Cor	mmercial	Re	sidential
\$	162.50	\$	199.95

REBATE AMOUNTS

Month	Rebate	Commercial	Residential		
Aug-22	\$ 61,475.00	\$ -	\$ 61,475.00		
Sep-22	\$ 134,625.00	\$ 1,950.00	\$ 132,675.00		
TOTALS	\$ 196,100.00	\$ 1,950.00	\$ 194,150.00		



^{*} DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.



^{*} Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.

^{*} Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.

Energy Sense Rebate Program (ESRP) Online Application (cont'd)

7. DSM Online Report Update - September 2022

APPLICATION COUNTS PER STATUS

		COMMERCIAL			RESIDENTIAL			
Month	Applications	Processing	Approved	Denied	Processing	Approved	Denied	
Aug-22	217	0	0	0	121	63	33	
Sep-22	487	6	0	1	420	0	60	
TOTALS	704	6	0	1	541	63	93	

APPLICATION COUNTS PER PROGRAM

			COMIV	IERCIAL		RESIDENTIAL			
Month	Applications	Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	217	0	0	0	0	192	0	15	10
Sep-22	487	7	0	0	0	412	0	29	39
TOTALS	704	7	0	0	0	604	0	44	49

REBATE AMOUNTS PER PROGRAM

			COMMERCIAL				RESIDENTIAL			
Month	Rebate	Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer	
Aug-22	\$ 61,475.00	\$ -	\$ -	\$ -	\$ -	\$ 57,475.00	\$ -	\$ 1,600.00	\$ 2,400.00	
Sep-22	\$134,625.00	\$ 1,950.00	\$ -	\$ -	\$ -	\$ 120,375.00	\$ -	\$ 3,300.00	\$ 9,000.00	
TOTALS	\$196,100.00	\$ 1,950.00	\$ -	\$ -	\$ -	\$ 177,850.00	\$ -	\$ 4,900.00	\$ 11,400.00	

EQUIPMENT COUNT PER PROGRAM

			COMIV	IERCIAL		RESIDENTIAL			
Month	Equipment	Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	316	0	0	0	0	288	0	16	12
Sep-22	667	12	0	0	0	577	0	33	45
TOTALS	983	12	0	0	0	865	0	49	57

^{*} DSM Online went live on 8/17/22. August 2022 figures are from 8/17 – 8/31 only.

^{*} Paper applications are NOT INCLUDED in this report but will be updated and combined in future reporting.





^{*} Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.

8. New Power Plant Update: GPA Activities

Completed:

- ECA Amendment: Signed on March 17, 2021.
- Resolution on Section 106 process between Navy/SHPO/GPA (cultural process)
- · Archaeological Inventory Survey of Ukudu Site
- Cultural Survey for boring scope fuel/water/power project areas (outside of plant)
- Baseline noise study for Piti 41 MW diesel generator plant site.
- Water Supply and Discharge Agreement signed.
- Approval of research design for boring of proposed site in Piti for diesel generator relocation
- Approval of Archaeological Monitoring & Discovery Plan for pipeline construction
- Public Law 36-91 was signed on 4/11/22 for exemption of construction of Reserve Facility in Piti.
- · GHPO Concurrence of Section 106 of the bull cart trails
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- · Geotechnical boring test report at the Piti site completed.
- GPA approves remaining Phase 5 & 6 construction permits.

Ongoing / Pending:

- Archaeological & Cultural Requirements:
 - ✓ Section 106 process for cultural survey on Navy properties (Harmon Substation) revised submitted being delivered to SHPO for final approval. Navy to complete NEPA documents upon final approval once SHPO provides review response to allow for construction activities on the bull cart trails along pipeline route and in the Harmon Substation.
 - ✓ Archaeological monitoring for pipeline construction work (Chaot & Nimitz areas).

Critical Path & Risk Items

Cultural Survey

(SHPO Approvals Required)

 Section 106 process required for Navy properties

Delays on Permit Approvals

- Construction Permits
- Air Permit (Reserve Facility)
- NPDES Permit

Construction Mitigation

 For any wetland, biological, cultural or other findings during construction (unknowns)

41 MW Reserve Facility

 Discussions of revised scope due to increased contracting cost.





8. New Power Plant Update: GPA Activities (continued)

- Water & Wastewater Requirements:
 - ✓ Change of Law issues due to update GWA NPDES permit affecting discharge of wastewater from cooling system. Follow up with GWA on the NPDES permit modification.
- Construction Permit & Drawing Reviews:
 - ✓ Interconnection and pipeline design documents are being reviewed for approval.
- Reserve Facility:
 - ✓ Revised scope provided and being evaluated.
- Air Permit Support:
 - ✓ Assisting with information to support the Reserve Facility permit. GPA to modify Piti 8&9 permit to reduce operating hours allowing planned operational support for the new Piti plant.
 - ✓ Permitting on hold pending resolution on Reserve Facility
- Other:
 - ✓ Project Schedule review is ongoing.
 - ✓ Coordination with Navy on excavation activities for pipeline construction
 - ✓ Attending transportation logistic meetings for heavy transport to Ukudu from Port.
 - ✓ GPA continues with researching easement options to move new pipelines further away from waterways (Sinajana)
 - ✓ GPA working with contractor regarding MEC investigation due to finding of ordnance in Nimitz pipeline route.





General Manager's Report (cont'd)

8. New Power Plant Update: <u>GUP Activities (Contractor)</u>

Completed:

- EPC Contract Doosan
- Height Variance for Ukudu Site
- Financing Contracts Signed Equity Bridge Loan in place. Senior loan requires air permit and land lease legislation for funds drawdown.
- Down payment to Siemens to secure Turbine Order (long lead item)
- · Survey Maps for land lease recorded at Dept. of Land Management
- · Phase I for Ukudu Plant construction permit approved. Foundation work is ongoing.
- GUP issues Notice to Proceed to EPC on May 31, 2022.
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- GEPA approves and issues Ukudu Air Permit on 7/20/22 during construction ground-breaking ceremony.
- KEPCO/GUP achieves financial close on September 30, 2022.

Ongoing / Pending:

- Design / Permitting
 - ✓ Construction
 - Power Plant 6 phases of design under review for permitting. Phase 2-6 pending approvals
 - · Pipeline design and material specifications under review.
 - Transmission Line design and material specifications under review.
 - ✓ Air Permits
 - Piti Reserve Facility USEPA approved netting plan with restrictions on Piti 8&9 to allow minor source permit.
 Application hold pending resolution on Reserve Facility revised scope.
- <u>Procurement</u> initiating other equipment procurement
- Existing Pipeline Cleaning & Demolition Pending Route 16 (Airport) to Route 34 evaluation of abandonment plan.
- Reserve Facility Pending additional options for evaluation due to increased construction costs.



General Manager's Report (cont'd)

8. New Power Plant Update: <u>GUP Activities (Contractor)</u> continued

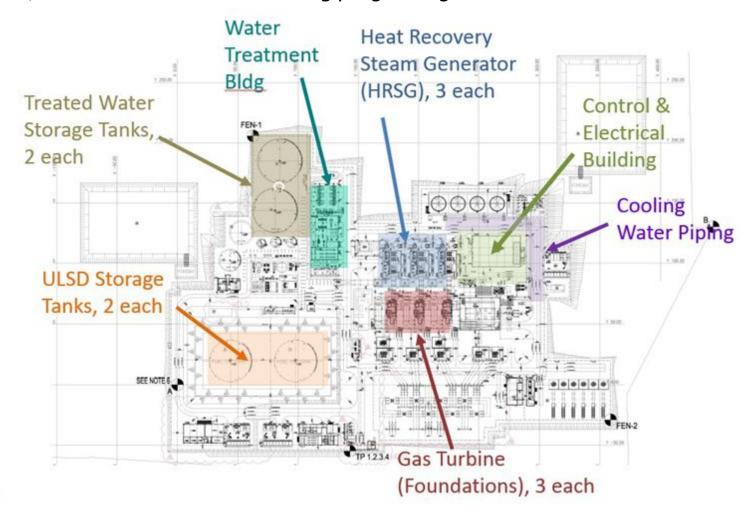
Ongoing / Pending: (continued)

- <u>Schedule Update</u> Discussions concluded major long lead items have been ordered reducing schedule from delays on financial close.
 - HRSG modules were ready in August but delayed due to transportation plant to Ukudu site. Expected arrival on Guam is early October.
- <u>Transportation Logistics</u> EPC continues to work with DPW on transport plan from Port to Ukudu site.
 - Bridge analysis dictating required transport equipment.
 - Temporary bridge to be delivered in October as required by DPW as backup for any bridge damage due to limited alternate routes in some areas.
 - Transportation will take several hours over several days to move HRSG modules and will affect traffic during movement.
 - Weekly meetings being held to discuss plans and requirements.
 - 25 heavy cargo movements expected thru April 2023





Construction work ongoing with Control & Electric Building, Heat Recovery Steam Generator foundation, Fuel Storage Tanks, Cooling Water Piping, Water Treatment Tanks, Gas Turbine Foundations, and Water Treatment Building progressing







Control & Electrical Building – Steel frames









Heat Recovery Steam Generator (HRSG) – Foundation work ongoing



HRSG (#1 of 3) Foundation work



HRSG (#2 of 3)



HRSG (#3 of 3) Foundation work







ULSD Storage Tank #1 – Form removal





ULSD Storage Tank #2 – Liner installation







Cooling Water Piping – Pump foundation







Treated Water Storage Tanks 1 & 2 – foundation work and steel floor











Water Treatment Building - Foundation









Gas Turbines Foundations

GT #1 & #2



GT #3







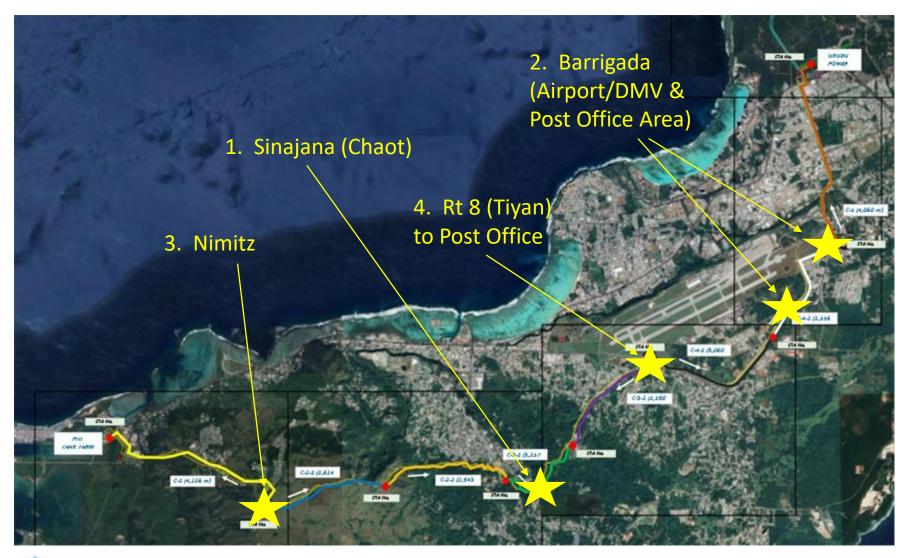
Steam Drums onsite







Fuel Pipeline Construction Status







Fuel Pipeline Construction Status

1. Chaot area (100 M) *Backfill and compacting testing completed.*



2. Barrigada – Near Post Office Excavation towards Airport completed. Pipe installation ongoing

2. Barrigada - Airport / Across DMV

All excavation within Airport fencing completed.
Continued pipe & fiber installation and backfill













Fuel Pipeline Construction Status

3. Nimitz

Excavation on hold due to address MEC finding. Cathodic protection zinc ribbon was installed. Contractor having to address flooding and trench issues due to weather.



4. Rt 8 (Tiyan) to Post Office
Excavation starting
exposing existing fuel
line.









9. Generation KPIs Update September 2022







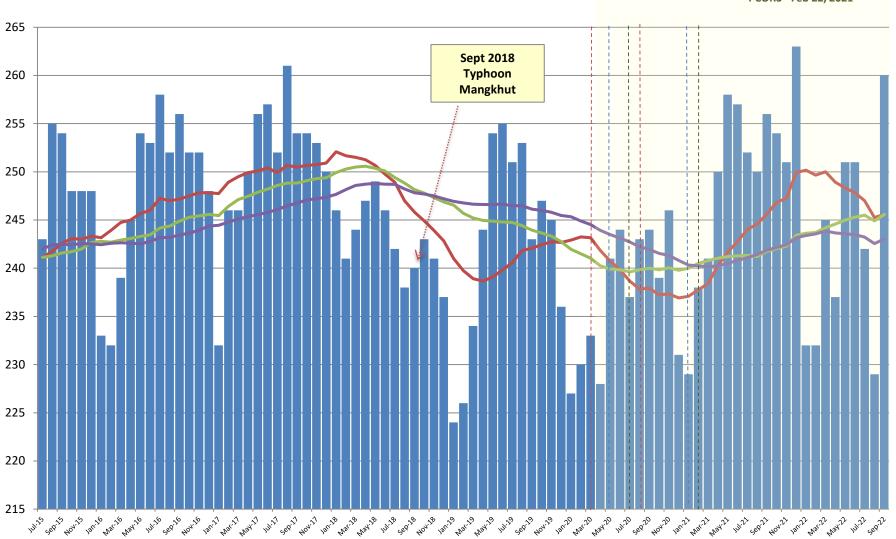
Historical Monthly Peak Demand July 2015 - September 2022

COVID 19 Pandemic PCOR1 - Mar 15, 2020

PCOR2 - May 10, 2020 PCOR3 - Jul 20, 2020 PCOR1 - Aug 16, 2020

PCOR 2- Jan 18, 2021

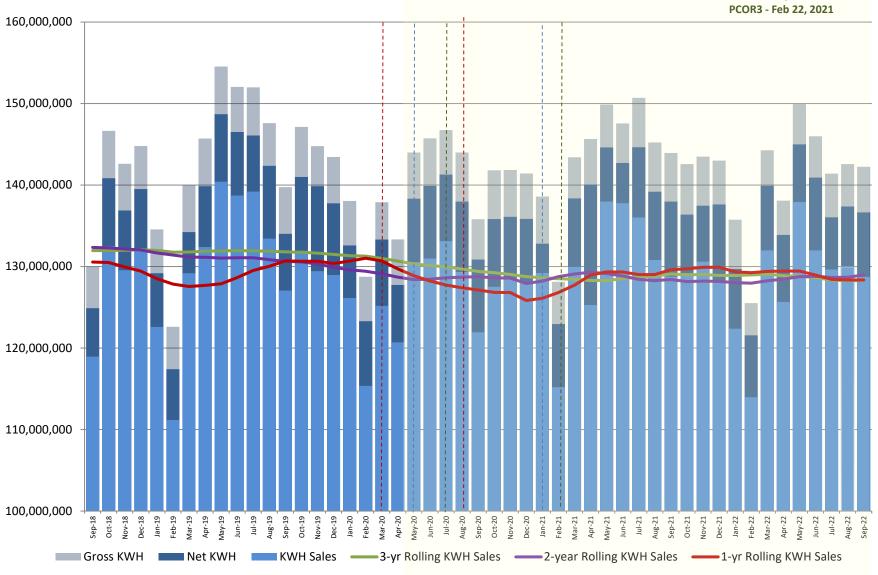
PCOR3 - Feb 22, 2021



Historical KWH Sales September 2018 - September 2022

COVID 19 Pandemic

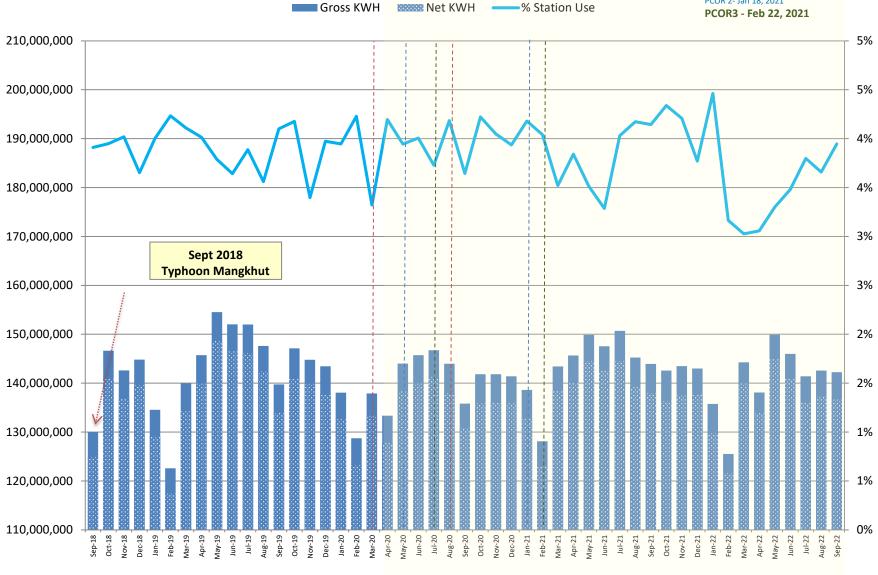
PCOR2 - May 10, 2020 PCOR3 - Jul 20, 2020 PCOR1 - Aug 16, 2020 PCOR 2- Jan 18, 2021



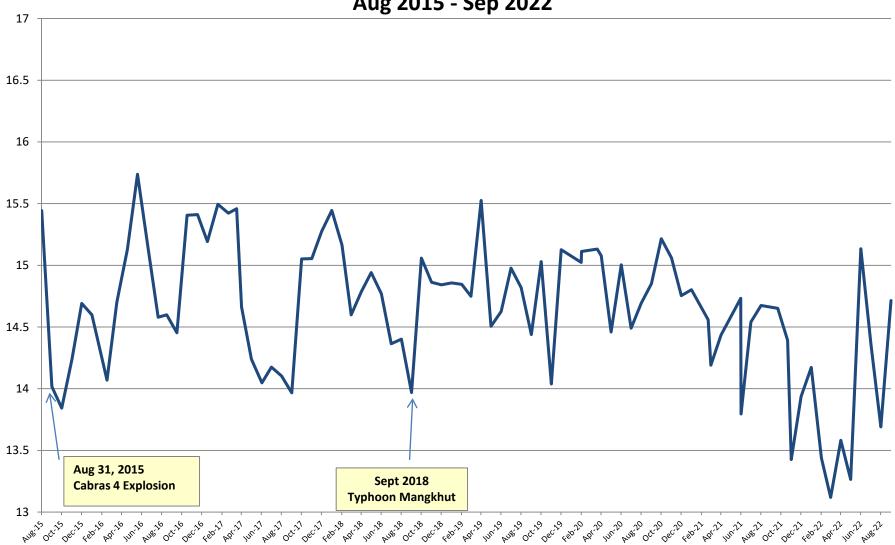
Gross and Net Generation (KWH) September 2018 - September 2022

COVID 19 Pandemic PCOR1 - Mar 15, 2020

PCOR2 - May 10, 2020 PCOR3 - Jul 20, 2020 PCOR1 - Aug 16, 2020 PCOR 2- Jan 18, 2021 PCOR3 - Feb 22, 2021



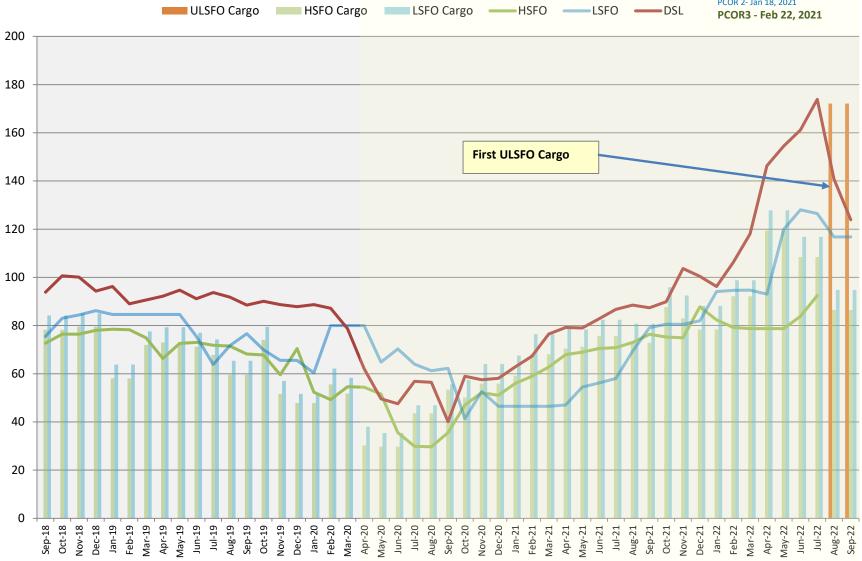
SYSTEM GROSS HEAT RATE (KWH/Gal) Aug 2015 - Sep 2022



Fuel Cargo and Fuel Consumption Costs (\$/bbl) September 2018 - September 2022

COVID 19 Pandemic

PCOR1 - Mar 15, 2020 PCOR2 - May 10, 2020 PCOR3 - Jul 20, 2020 PCOR1 - Aug 16, 2020 PCOR 2- Jan 18, 2021

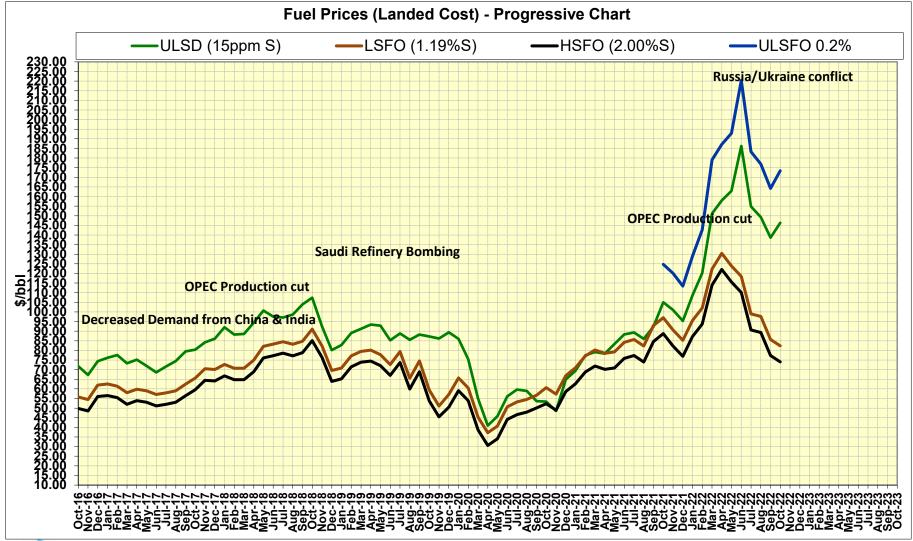


LEAC INFORMATION Amended GM Report OCTOBER 2022





GPA Fuel Landed Cost (Per Barrel)







LEAC INFORMATION

32

		Actuals			Forecasts					
Description:	Jun-22		Aug-22	Sep-22	Oct-22		Dec-22	Jan-23		
Under Recovery With No November Increase	\$ 42,759,975	\$ 44,892,540	\$ 47 101 089	\$ 44 016 238	\$ 41,319,361	\$ 40 988 055	\$ 40,580,813	\$ 41,007,963		
Under Recovery With November Increase	\$ 42,759,975	\$ 44,892,540			\$ 41,319,361		\$ 30,907,303	\$ 26,807,701		
Leac Rate (Including Nov Increase)	0.209552	\$ 0.251638	\$ 0.251638	\$ 0.296043	\$ 0.296043	\$ 0.342338	\$ 0.342338	\$ 0.342338		
Avg Residential	0.203332									
Increase July Avg Residential		\$ 42.12	\$ 42.12	\$ 42.12	\$ 42.12	\$ 42.12	\$ 42.12	\$ 42.12		
Increase September				\$ 44.41	\$ 44.41	\$ 44.41	\$ 44.41	\$ 44.41		
Avg Residential Increase November						\$ 46.30	\$ 46.30	\$ 46.30		
PL 36-106 Prugraman Ayuda Para I Taotao-ta Credit		\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00				
Customer Impact		\$ (57.88)	\$ (57.88)	\$ (13.47)	\$ (13.47)	\$ 32.83	\$ 132.83	\$ 132.83		





33

GPA Fuel Cost (Per Barrel)

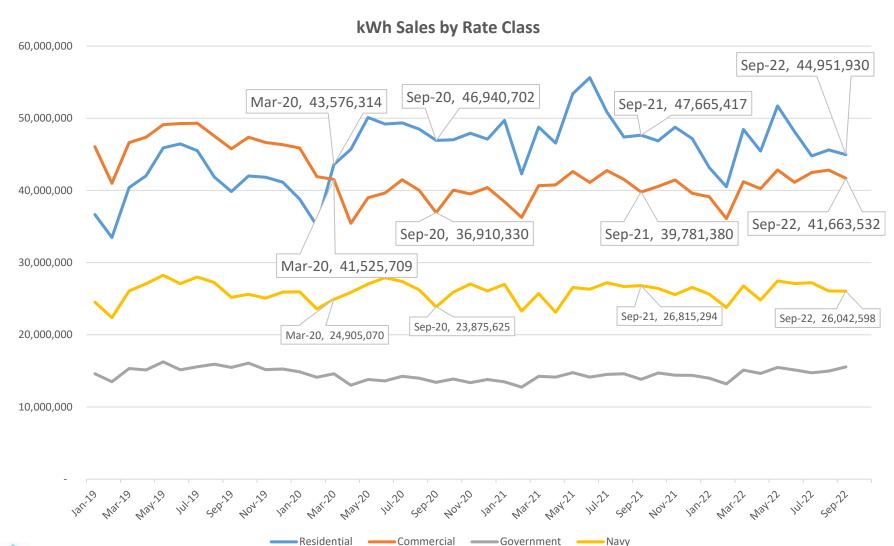
Actual Fuel Purchase Prices (Average Price for Non-Baseload Units)

Fuel Type>>>	High S	Sulfur RFO	Low(:	L.19%) Sulfur RFO	New ().2% LSRFO	New UI	LSD Piti 8&9	ULSI	D Non-Base Load
Jan-22	\$	78.74	\$	85.42					\$	95.25
Feb-22									\$	108.52
Mar-22	\$	92.45	\$	97.45					\$	120.18
Apr-22			\$	128.07			\$	150.07	\$	151.15
May-22									\$	158.29
Jun-22			\$	116.76					\$	162.87
Jul-22							\$	153.67	\$	186.26
Aug-22					\$	172.32			\$	154.96
Sep-22									\$	149.14
Projected Price for Next Order:										
Oct-22									\$	140.00
Nov-22										





LEAC INFORMATION







Clean Energy Plan-Production Cost Reduction Beginning CY 2024

Calendar Year	2023	2025	2026	2027	2028
		UKUDU			
Event:	KEPCO Commissioned	Commissioned	Phase IV 180 MW	LNG Commissioned	Phase V 180 MW
\$/bbl. ULSD	\$120	\$120	\$120	\$120	\$120
\$/bbl. LNG Equivalent				\$80	\$80
%/ Renewables	10.9%	10.7%	26.5%	26.0%	40.9%
Renewable kWh	195,912,000	195,912,000	495,912,000	495,912,000	795,912,000
Conventional kWh	1,603,561,600	1,639,551,072	1,376,260,333	1,413,703,780	1,151,896,096
\$/kWh cost	\$0.221	\$0.147	\$0.141	\$0.110	\$0.112

Impact if Fuel Oil and LNG price increase by 50%

\$/bbl. ULSD	\$180	\$180	\$180	\$180	\$180
\$/bbl. LNG Equivalent				\$120	\$120
\$/kWh cost	\$0.319	\$0.214	\$0.194	\$0.148	\$0.142
Variance:	\$0.098	\$0.067	\$0.053	\$0.038	\$0.030
\$/kWh Increase	44.1%	45.6%	37.5%	34.3%	26.4%

Impact if Fuel Oil and LNG price normal: (2021 Prices)

\$/bbl. ULSD	\$90	\$90	\$90	\$90	\$90
\$/bbl. LNG Equivalent				\$65	\$65
\$/kWh cost	\$0.172	\$0.113	\$0.115	\$0.095	\$0.101

SUMMARY

- Global Energy demand has decreased and not expected to recover soon
- Lower demand typically means lower prices but
- OPEC Plus is cutting world supply by 2M Barrels per day which may keep prices high
- President Biden May release more Strategic Reserves to try to offset impact but ???
- Today: No clear indication of where prices are going except it doesn't seem like significant price drop could be seen soon



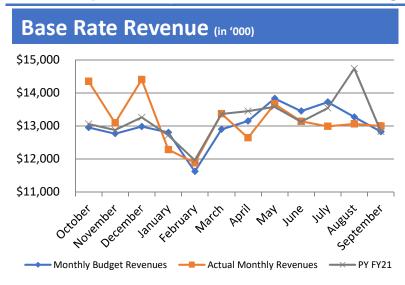


CFO FINANCIAL HIGHLIGHTS September 2022





September 2022 Monthly Financial Highlights



		Throug	h September	30, 202	22				
	Monthly	Actual							
	Budget	Monthly				CY vs PY			
\$000	Revenues	ues Revenues Variance PY FY21 Va		Variance					
October	\$ 12,946	\$ 14,345	\$ 1,400	1	\$ 13,053	\$ 1,292	1		
November	12,762	13,085	323	1	12,869	216	1		
December	12,975	14,396	1,421	1	13,254	1,143	1		
January	12,796	12,278	(518)	1	12,712	(434)	↓		
February	11,615	11,879	264	†	11,954	(75)	↓		
March	12,891	13,364	473	1	13,357	7	1		
April	13,142	12,636	(506)	Ţ	13,444	(808)	Į.		
May	13,826	13,661	(166)	↓	13,574	87	1		
June	13,443	13,134	(309)	↓	13,121	13	1		
July	13,719	12,983	(736)	1	13,534	(551)	Į.		
August	13,264	13,056	(208)	1	14,729	(1,673)	↓		
September	12,822	12,992	170	1	12,825	166	1		
Total	\$ 156,200	\$ 157,808	\$ 1,608		\$ 158,427	\$ (619)			

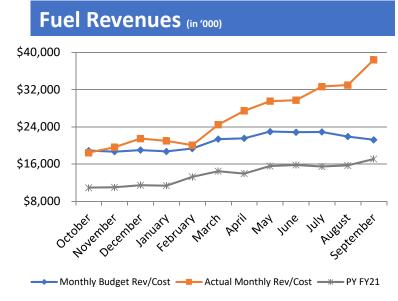
MWH S	Sales (in 'mwh)
150,000	
140,000	***
130,000	
120,000	
110,000	V
100,000	
oči ^c	ber ber ber langer hard Aard Abril May June July Brist per
→ Mo	onthly Budget Sales ——— Actual Monthly Sales ——— PY FY21

mwh	Monthly Budget Sales	Actual Monthly Sales	Variance		PY FY21	CY vs PY Variance	
October	125,120	129,175	4,055	1	127,515	1,660	1
November	123,655	130,597	6,943	†	128,440	2,157	†
December	125,973	128,204	2,231	1	128,053	152	†
January	123,970	122,367	(1,603)	1	129,208	(6,841)	↓
February	112,638	113,980	1,341	1	115,199	(1,219)	Į.
March	124,550	131,984	7,434	1	129,958	2,026	†
April	125,540	125,661	121	†	125,268	393	†
May	133,995	137,915	3,920	1	137,960	(45)	↓
June	133,212	131,980	(1,232)	1	137,774	(5,794)	↓
July	133,451	129,637	(3,814)	Į.	136,012	(6,375)	Į.
August	127,675	129,938	2,263	†	130,812	(874)	Ţ
September	123,646	128,721	5,076	†	128,768	(46)	Į.
Total	1,513,425	1,540,160	26,735		1,554,967	(14,808)	

Through September 30, 2022



September 2022 Monthly Financial Highlights (Continued)



	Through September 30, 2022											
	Monthly Budget	Actual Monthly				CY vs PY						
\$000	Rev/Cost	Rev/Cost	Variance		PY FY21	Variance						
October	\$ 18,868	\$ 18,431	(437)	. ↓	\$ 10,910	7,521	1					
November	18,647	19,600	953	1	10,984	8,616	1					
December	18,997	21,475	2,479	1	11,435	10,041	1					
January	18,695	20,978	2,283	1	11,335	9,643	1					
February	19,313	20,043	731	1	13,241	6,803	1					
March	21,355	24,465	3,110	1	14,442	10,023	1					
April	21,525	27,433	5,908	1	13,932	13,501	1					
May	22,975	29,517	6,542	1	15,547	13,970	1					
June	22,840	29,731	6,891	1	15,770	13,961	1					
July	22,881	32,646	9,765	1	15,446	17,200	1					
August	21,891	32,999	11,108	1	15,685	17,314	1					
September	21,200	38,433	17,233	1	17,080	21,353	1					
Total	\$ 249,186	\$ 315,753	\$ 66,566		\$ 165,807	\$ 149,945						

0&1	M Costs (in '000)
\$10,000	
\$9,000	
\$8,000	<u> </u>
\$7,000	
\$6,000	
\$5,000	
\$4,000	4
o ^č	doe, the land tephnay war, boy was me my rectupe,
→ N	nonthly Budget Cost ———Actual Monthly Cost ———PY FY21

	i nrough September 30, 2022												
			Actual										
	Month	nly	Monthly				CY vs PY						
\$000	Budget	Cost	Cost	Variance		PY FY21	Variance						
October	\$ 6,	394	4,979	(1,415)	1	5,515	(536)	1					
November	6,	439	6,039	(400)	1	5,389	650	↓					
December	6,	524	6,569	46	↓	5,645	924	1					
January	6,	474	5,434	(1,041)	1	5,620	(186)	1					
February	6,	206	5,353	(853)	1	5,193	160	1					
March	6,	969	6,818	(150)	1	6,231	588	↓					
April	7,	095	5,931	(1,163)	1	6,634	(703)	1					
May	7,	171	6,369	(802)	1	6,106	263	↓					
June	6,	978	6,353	(625)	1	6,390	(37)	1					
July	6,	863	6,028	(835)	1	5,871	157	↓					
August	6,	648	6,779	131	. ↓	5,852	928	↓					
September	8,	421	5,859	(2,562)	1	6,023	(164)	1					
Total	\$ 82,	182	\$ 72,512	\$ (9,670)		\$ 70,469	\$ 2,043						



September 2022 Monthly Financial Highlights (Continued)

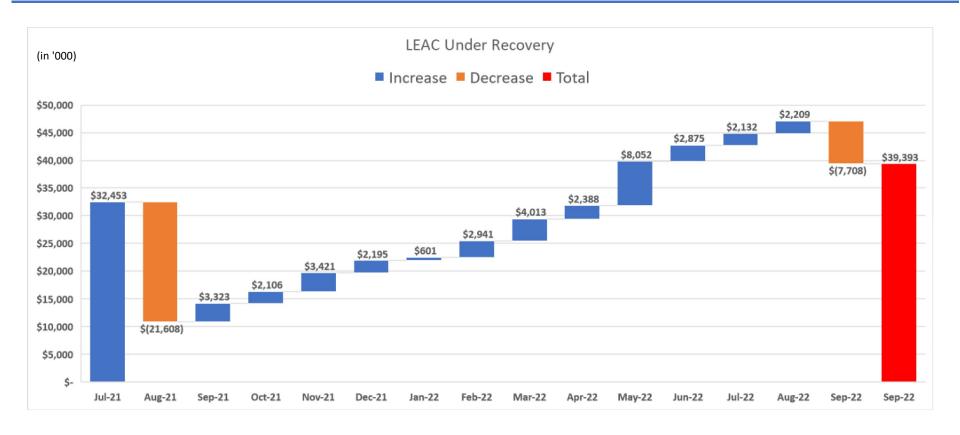
	Through January 31, 2022											
	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
Residential	44,203	44,509	45,069	44,191	44,503	44,575	45,247	45,229	45,224	45,283	45,261	45,315
Commercial	5,154	5,352	5,309	5,366	5,301	5,307	5,330	5,336	5,349	5,367	5,368	5,373
Government	1,072	1,059	1,061	1,081	1,063	1,060	1,049	1,056	1,069	1,077	1,079	1,087
Streetlights	1,135	1,128	1,139	1,132	1,133	1,132	1,132	1,131	1,160	1,158	1,156	1,163
Navy	1	1	1	1	1	1	1	1	1	1	1	1
Total	51,565	52,049	52,579	51,771	52,001	52,075	52,759	52,753	52,803	52,886	52,865	52,939

Debt service coverage (DSC) calculation-indenture	2018	2019	2020	2021	2022
Senior lien coverage	2.53	1.78	1.42	1.54	1.42
Debt service coverage (DSC) calculation-IPP as O&M					
Senior lien coverage	1.65	1.46	1.23	1.49	1.42





September 2022 Monthly Financial Highlights (Continued)









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 September 2022

Attached are the financial statements and supporting schedules for the month and fiscal year ended September 30, 2022.

Summary

The increase in net assets for the month ended was \$1.8 million as compared to the anticipated net decrease of \$1.9 million and projected at the beginning of the year. The total kWh sales for the month were 4.11% more than projected and non-fuel revenues were \$169 thousand more than the estimated amounts. O & M expenses for the month were \$5.9 million which was \$2.5 million less than our projections for the month. Other expenses for the month such as interest expense, IPP costs, (net of interest income and other income) totaled to \$1.8 million, which was under projected amounts by \$1 million. There were no other significant departures from the budget during the period.

Analysis

Description	Previous	Current Month	Target
	Month		
Quick Ratio	1.47	1.67	2
Days in Receivables	47	50	52
Days in Payables	32	26	30
LEAC (Over)/Under	\$47,101,089	\$39,541,456	\$39,548,010
Recovery Balance -YTD			
T&D Losses	5.52%	5.48%	<7.00%
Debt Service Coverage	1.47	1.42	1.75
Long-term equity ratio	5.41%	5.62%	30 – 40%
Days in Cash	63	60	60

The Quick Ratio has been a challenge for GPA historically. GPA has current obligations of approximately \$78 million and approximately \$130 million in cash and current receivables. The LEAC over-recovery for the month was \$7.6 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statements September 2022

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:

Maripaz N. Perez

Asst. Chief Financial Officer

Reviewed by:

John J.E. Kim/ Chief Financial Officer Approved by:

John M. Benavente, P.E General Manager

	GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Net Position September 30, 2022 and September 30, 2021		
	Unaudited September 2022	Audited September 2021	Change from Sept 30 2021
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets: Cash and cash equivalents: Held by trustee for restricted purposes: Interest and principal funds	\$ 68,253,802	\$ 113,427,046	\$ (45,173,244)
Bond indenture funds Held by Guam Power Authority: Bond indenture funds	2,103,381 65,900,627	7,636,028 70,929,564	(5,532,646) (5,028,938)
Self insurance fund-restricted Energy sense fund	9,636,149 3,200,040	9,478,718 2,478,883	157,432 721,156
Total cash and cash equivalents	149,093,999	203,950,239	(54,856,240)
Accounts receivable, net	61,767,365	41,836,294	19,931,071
Total current receivables	61,767,365	41,836,294	19,931,071
Materials and supplies inventory Fuel inventory Prepaid expenses	13,245,854 62,266,435 5,760,730	12,999,867 36,234,483 3,307,390	245,987 26,031,952 2,453,340
Total current assets	292,134,383	298,328,273	(6,193,890)
Utility plant, at cost: Electric plant in service Construction work in progress Total Less: Accumulated depreciation	1,188,551,807 22,532,831 1,211,084,638 (736,073,227)	1,164,457,692 24,018,930 1,188,476,622 (703,965,760)	24,094,115 (1,486,099) 22,608,016 (32,107,467)
Total utility plant	475,011,410	484,510,861	(9,499,451)
Other non-current assets: Investment - bond reserve funds held by trustee Unamortized debt issuance costs	22,391,656 462,297	50,433,584 1,684,472	(28,041,928) (1,222,175)
Total other non-current assets	22,853,953	52,118,056	(29,264,103)
Total assets	789,999,747	834,957,191	(44,957,444)
Deferred outflow of resources: Deferred fuel revenue Unamortized loss on debt refunding Pension Other post employment benefits Unamortized forward delivery contract costs	39,392,844 34,715,260 17,136,754 48,852,130	14,168,085 20,172,384 17,136,754 48,852,130	25,224,759 14,542,876 0 0 0
Total deferred outflows of resources	140,096,988_	100,329,354	39,767,634
	\$ 930,096,735	\$ 935,286,545	\$ (5,189,810)

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statement of Net Position, Continued September 30, 2022 and September 30, 2021 Unaudited Audited Change from September September Sept 30 2022 2021 2021 LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION Current liabilities: Current maturities of long-term debt 22,705,000 21,540,000 1,165,000 Current obligations under capital leases (1) Accounts payable Operations 30,962,636 24,791,092 6,171,544 Others 113,711 363,933 (250,222) Accrued payroll and employees' benefits Current portion of employees' annual leave 229.951 389.833 (159.882) 1,953,350 2,134,083 (180,733)Interest payable 13,268,696 13,995,961 (727, 265) Customer deposits 8,798,183 9,095,907 (297,724) Total current liabilities 78,031,527 72,310,810 5,720,717 Regulatory liabilities: Provision for self insurance 11,016,513 9,955,323 1,061,190 Total regulatory liabilities 11,016,513 9,955,323 1,061,190 Long term debt, net of current maturities 509,613,798 535,280,390 (25,666,593) Obligations under capital leases, net of current portion Net Pension liability Other post employment benefits liability 84,782,676 160,364,667 88,431,082 (3,648,406)160,364,667 DCRS sick leave liability 1,695,518 1,695,518 Employees' annual leave net of current portion 1,842,137 1,842,137 0 Customer advances for construction 541,500 470,165 71,335 Total liabilities 847,888,335 870,350,093 (22,461,758) Deferred inflows of resources: Unearned forward delivery contract revenue n 0 3,238,796 3,238,796 Pension 0 Other post employment benefits 51,902,993 51,902,993 (0) (0) Total deferred inflows of resources 55,141,789 55,141,789 Commitments and contigencies Net Position: Net investment in capital assets Restricted (16,641,173) 142,016,697 (7.734.144)8.907.029 (78,714,439) 63,302,258 Unrestricted (115,580,861) 87,079,358 (28,501,503) 17,271,949 Total net position 27,066,611 9,794,663 935,286,545 (5,189,810) 930,096,735

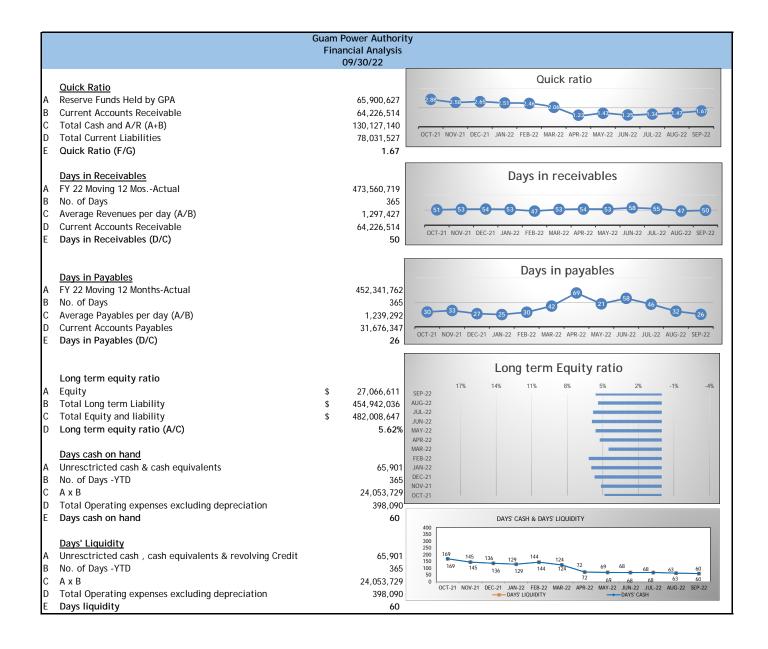
GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM Statement of Revenues, Expenses and Changes in Net Assets Twelve Months Ending September 30 % of September 30 % of Unaudited Audited change Unaudited Audited change 2022 Inc (dec) 2022 2021 Inc (dec) 2021 evenues Sales of electricity 51,424,609 29,905,448 72 473,560,719 \$ 324,234,364 46 DSM-Rebates 322.908 324,143 (0)3,817,841 3.859.303 (1) Miscellaneous 209.500 568.113 (63) 2.388.034 2.300.869 Total 51,957,017 30,797,704 69 479,766,594 330,394,536 45 Bad debt expense (101,917) (87,083) 17 (1,223,004) (1,044,996) 17 Total revenues 51,855,100 30,710,621 69 478,543,590 329,349,540 45 Operating and maintenance expenses Production fuel 38,433,106 17,080,389 125 315,752,668 180,807,463 75 2,149,319 40,582,425 18,950,502 199,757,965 Other production 24 19,137,016 18.810.973 116 68 334,889,684 3,525,257 Depreciation 3,158,287 (10)35,157,724 37,214,378 (6) Energy conversion cost 785,975 846,593 (7) 9,825,420 10,712,063 (8) Transmission & distribution 241,635 (216,762)(211) 13,709,059 12,332,717 11 Customer accounting 561,865 868,669 (35)7,089,978 6,747,386 5 Administrative & general 2,906,093 14,851,973 (80)32,580,252 44,243,900 (26)Total operating and maintenance expenses 48,236,279 38,686,703 25 433,252,116 311,008,409 39 Operating income (145)18,341,131 147 3,618,822 (7,976,082)45,291,473 Other income (expenses) Interest income 310.882 961.876 (68)1.221.732 1,724,848 (29)(26,330,706) 1,070,818 Interest expense and amortization (1.902.056)(2.190.580)(13) (371) (24.991.831) (242, 243)89,310 (2,831,394) (364) Bond issuance costs Change in Investment Value (43,012) 18,832 Allowance for funds used during construction 4,286 (86) 123,086 826,289 (85) (287,896) (1.108,259) Pandemic-COVID19 (88,484)(100)(250.699)(13)Losses due to typhoon (34,568)(126.618)(73)(2.232.732)101 Operating Grant from GovGuam/US Gov 15,064,047 (100)0 Loss on Capital Asset Dsiposal (1,020,327) (100) Other expense (4,291)(100)(8,582)(51,495) (83) 187 Total other income (expenses) (1,844,868) (1,327,223) 39 (29,013,431) (10,112,681) ncome (loss) before capital contributions 1,773,954 (9,303,305) (119)16,278,042 8,228,450 98 Capital contributions 22,985 993,905 0 Increase (decrease) in net assets 1,796,939 (9,303,305) (119)17,271,946 8,228,450 110 Total net assets at beginning of period 25,269,672 19.097.969 32 9,794,664 1,566,214 525 9,794,664 Total net assets at end of period 27,<u>066,</u>610 176 27,066,610 9.794.664 176

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Cash Flows Period Ended September 30, 2022

	Month Ending	YTD Ending
	9/30/2022	9/30/2022
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	\$46,283,361	458,646,675
Cash payments to suppliers and employees		
for goods and services	57,004,915	468,682,751
Net cash provided by operating activities	(\$10,721,554)	(10,036,075)
Cash flows from investing activities:		
Interest and dividends on investments and		
bank accounts	310,882	1,221,732
Net cash provided by investing activities	310,882	1,221,732
Cash flows from non-capital financing activities		
Interest paid on short term debt	(3,172)	(61,846)
Provision for self insurance funds	2,496,819	(157,432)
Net cash provided by noncapital financing activities	2,493,646	(219,278)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(4,310,234)	(25,658,273)
Principal paid on bonds and other long-term debt	<u>-</u>	(29,050,000)
Interest paid on bonds(net of capitalized interest)	23,118	(25,577,175)
Interest paid on capital lease obligations	-	-
Interest & principal funds held by trustee	11,872,808	45,173,244
Reserve funds held by trustee	(439,012)	28,041,928
Bond funds held by trustee	(3,102)	5,532,646
Principal payment on capital lease obligations	(0)	(1)
Grant from DOI/FEMA	22,985	993,905
Grant from GovGuam	-	-
Reduction in Under Recovery of Fuel	-	-
Debt issuance costs/loss on defeasance	(201,441)	4,548,408
Net cash provided by (used in) capital and related		
financing activities	6,965,122	4,004,681
Net (decrease) increase in cash and cash equivalents	(951,904)	(5,028,939)
Cash and cash equivalents, beginning	66,852,531	70,929,564
Cash and cash equivalents-Funds held by GPA, September 30, 2022	<u>\$ 65,900,626</u>	65,900,626

GUAM POWER AUTHORITY (A COMPONENT UNIT OF THE GOVERNMENT OF GUAM) Statements of Cash Flows, continued Period Ended September 30, 2022

	Month Ending 9/30/2022	YTD Ending 9/30/2022
Reconciliation of operating earnings to net cash provided		
by operating activities:		
Operating earnings net of depreciation expense		
and excluding interest income	\$3,618,822	\$45,291,473
Adjustments to reconcile operating earnings to net cash	\$3,010,022	Ψ10,271,170
provided by operating activities:		
Depreciation and amortization	3,158,287	35,157,724
Other expense	(276,812)	(5,323,407)
(Increase) decrease in assets:	(=, 0, 0.1=)	(0/020/107)
Accounts receivable	(5,585,202)	(19,931,071)
Materials and inventory	161,183	(245,987)
Fuel inventory	(11,893,610)	(26,031,952)
Prepaid expenses	998,039	(2,453,340)
Unamortized debt issuance cost	3,899	1,222,175
Deferred fuel revenue	7,708,245	(25,224,759)
Unamortized loss on debt refunding	439,786	(14,542,876)
Unamortized forward delivery contract costs	-	-
Increase (decrease) in liabilities:		
Accounts payable-operations	(6,470,426)	6,771,544
Accounts payable-others	(760,448)	(971,379)
Accrued payroll and employees' benefits	(1,803,891)	(759,882)
Provision for Self-Insurance	301,201	1,061,190
Net pension liability	(309,770)	(3,648,406)
Employees' annual leave	112,555	(180,733)
Customers deposits	(139,598)	(297,724)
Customer advances for construction	16,188	71,335
Unearned forward delivery contract revenue	-	-
Net cash provided by operating activities	<u>(\$10,721,554)</u>	(10,036,075)



GPA 302

GUAM POWER AUTHORITY ACCRUED REVENUE SEPTEMBER 2022

		FOR THE MONT SEPTEMBE		TWELVE MONTH	
		2022	2021	2022	2021
KWH SALES:					
Residential		44,105,031	47,028,402	547,782,592	581,188,097
Residential - Apt & Condo		846,899	637,015	7,775,001	3,156,166
Small Gen. Non Demand		7,303,286	6,593,068	84,942,838	75,195,708
Small Gen. Demand		15,651,511	15,455,731	188,201,489	189,083,948
Large General		18,604,465	17,704,888	215,282,029	219,164,510
Independent Power Produce	er	104,269	27,693	775,486	420,386
Private St. Lights		31,828	33,440	380,063	393,545
	Sub-total	86,647,290	87,480,236	1,045,139,498	1,068,602,360
Government Service:					
Small Non Demand		1,953,494	973,499	15,506,666	10,705,715
Small Demand		9,314,898	8,781,057	110,881,888	102,547,445
Large		4,274,663	4,083,142	49,903,338	54,291,111
Street Lighting		488,523	634,577	5,287,460	7,078,160
Sub-total		16,031,578	14,472,274	181,579,352	174,622,431
Total		102,678,868	101,952,511	1,226,718,850	1,243,224,791
U. S. Navy		26,042,598	26,815,294	313,440,690	311,742,587
S. S ,		20,0 .2,000	20,010,201	0.10, 1.10,000	011,112,001
GRAND TOTA	L	128,721,466	128,767,804	1,540,159,540	1,554,967,377
REVENUE:					
Residential		18,081,366	10,482,378	165,347,186	115,952,682
Residential - Apt & Condo		291,521	136,108	2,216,717	637,094
Small Gen. Non Demand		3,300,091	1,754,981	29,384,320	18,483,497
Small Gen. Demand		6,610,718	3,694,240	59,815,601	41,339,583
Large General		7,445,269	4,083,273	66,122,084	45,764,502
Independent Power Produce	r	41,425	6,610	253,080	88,280
	:1	29,690		319,336	
Private St. Lights	Sub-total	,	24,609	,	286,979
Government Service:	Sub-total	35,800,080	20,182,200	323,458,323	222,552,618
Small Non Demand		947 692	275 672	E E76 009	2 016 421
		847,682	275,673	5,576,098	2,816,431
Small Demand		3,926,242	2,265,374	36,539,968	24,119,426
Large		1,722,454	987,049	15,575,687	12,028,068
Street Lighting	0.1.4.4.1	512,797	425,889	5,110,309	4,839,209
	Sub-total	7,009,174	3,953,985	62,802,063	43,803,135
0. 11	Total	42,809,255	24,136,184	386,260,386	266,355,753
U. S. Navy		8,615,354	5,769,264	87,300,333	57,878,612
GRAND TOTAL		51,424,609	29,905,448	473,560,719	324,234,365
NUMBER OF CUSTOMERS:					
Residential		45,359	45,285	45,265	44,743
Residential - Apt & Condo		5	7	6	6
Small Gen. Non Demand		4,559	4,511	4,546	4,435
Small Gen. Demand		735	743	732	789
Large General		83	85	84	91
Independent Power Produce	ar .	3	2	2	2
Private St. Lights	·ı	510	511	515	515
i iivate et. Ligite	Sub-total	51,254	51,144	51,150	50,581
Government Service:	Cub total	01,204	01,144	01,100	00,001
Small Non Demand		725	696	715	685
Small Demand		345	344	345	350
Large		18	20	18	28
Street Lighting		662	620	644	618
Succe Lighting	Sub-total	1,750	1,680	1,722	1,682
	Total	53,004	52,824	52,872	52,263
LIS Nova	ı Ulai			52,672	
US Navy		1	1	ı	1
		53,005	52,825	52,873	52,264

GPA403

GUAM POWER AUTHORITY ACCRUED REVENUE

	TWELVE	SEPTEMBER	AUGUST	JULY	JUNE	MAY	APRIL	MARCH	FEBRUARY	JANUARY	DECEMBER	NOVEMBER	OCTOBER
	MONTHS ENDED	2022	2022	2022	2022	2022	2022	2022	2022	2022	2021	2021	2021
KWH SALES:													
Residential	547,782,592		44,989,464	44,154,849	47,510,233	51,037,002	44,827,694	47,815,123	39,923,993	, ,	46,538,778	48,087,642	., , .
Residential - Apt & Condo	7,775,001		620,409	612,209	624,516	662,382	629,926	646,224	582,003		633,883	662,924	661,671
Small General Non Demand	84,942,838		7,440,992	7,261,891	7,434,610	7,689,374	7,111,304	7,313,324	6,163,584		6,938,206	6,873,816	6,896,374
Small General Demand	188,201,489		16,167,671	15,923,953	15,900,378	16,437,610	15,688,765	16,016,611	13,931,042		14,567,004		16,089,978
Large General	215,282,029		19,069,312	19,068,609	17,761,359	18,665,972	17,415,349	17,850,197	15,959,051	17,347,581	18,060,941	17,942,248	17,536,945
Private Outdoor Lighting	380,063		31,100	29,325	32,900	32,404	32,182	30,956	28,471		31,428	33,774	31,353
Independent Power Producer	775,486	104,269	138,482	236,018	30,848	35,255	29,804	30,892	28,484	34,010	37,609	41,173	28,642
Sub-Total	1,045,139,498	86,647,290	88,457,429	87,286,854	89,294,844	94,559,997	85,735,024	89,703,327	76,616,627	82,335,033	86,807,849	90,240,994	87,454,230
Government Service:													
Small Non Demand	15,506,666	1,953,494	1,724,457	1,560,970	1,560,061	1,514,054	1,272,285	1,094,785	885,547	952,380	1,015,527	954,648	1,018,457
Small Demand	110,881,888	9,314,898	9,030,378	8,972,206	9,405,103	9,574,007	9,214,457	9,691,249	8,561,806	9,063,503	9,316,295	9,376,567	9,361,419
Large	49,903,338	4,274,663	4,226,126	4,206,439	4,164,128	4,384,435	4,164,441	4,318,253	3,749,143	3,961,149	4,051,217	4,066,393	4,336,950
Street Lighting (Agencies)	5,287,460	488,523	431,751	390,067	459,745	418,078	459,781	404,109	390,182	418,676	445,599	403,673	577,276
Sub-Total	181,579,352	16,031,578	15,412,712	15,129,682	15,589,036	15,890,575	15,110,963	15,508,396	13,586,678	14,395,709	14,828,638	14,801,282	15,294,102
Total	1,226,718,850	102,678,868	103,870,141	102,416,536	104,883,880	110,450,573	100,845,986	105,211,724	90,203,305	96,730,742	101,636,487	105,042,276	102,748,332
U.S. Navy	313,440,690		26,068,076	27,220,577	27,095,943	27,464,912	24,814,899	26,772,254	23,776,240		26,567,812		26,426,178
,	,	,-,-,		,,		,,,,	_ ,,, ,,,,,,	,,			,,	,,	
Grand Total	1,540,159,539	128,721,466	129,938,216	129,637,114	131,979,823	137,915,485	125,660,886	131,983,978	113,979,545	122,367,037	128,204,299	130,597,180	129,174,510
REVENUE:													
Residential	\$ 165.347.186	\$ 18.081.366	\$ 15 501 000	\$ 16 130 401	\$ 14.292.525	\$ 15 441 415	\$ 14 204 936	¢ 13 132 838	¢ 11 151 261	\$ 11 252 610	¢ 12.761.388	\$ 11 676 010	\$ 11 710 536
Residential - Apt & Condo	\$ 2,216,717	,,	,,	\$ 206,426	. , . ,	, , .	. , . ,	\$ 170,533	\$ 159,021	, , , ,	\$ 163,281	\$ 155,449	\$ 155,374
Small General Non Demand													
	\$ 29,384,320								\$ 1,997,826				
Small General Demand	\$ 59,815,601	\$ 6,610,718		,,.	\$ 5,035,114				\$ 4,165,050		\$ 4,346,173		\$ 4,300,915
Large General	\$ 66,122,084						\$ 5,488,655						\$ 4,509,766
Private Outdoor Lighting	\$ 319,336		\$ 28,066	,		\$ 27,149	. ,	,	, , , , ,	,		, .	\$ 24,936
Independent Power Producer	\$ 253,080	\$ 41,425				\$ 11,813							\$ 7,224
Sub-Total	\$ 323,458,324	\$ 35,800,080	\$ 31,147,072	\$ 32,176,781	\$ 27,654,326	\$ 29,329,349	\$ 27,583,815	\$ 25,363,162	\$ 22,097,176	\$ 22,432,800	\$ 24,493,608	\$ 22,623,018	\$ 22,757,137
Government Service:													
Small Non Demand	\$ 5,576,098	\$ 847,682	\$ 675,632	\$ 614,420	\$ 548,289	\$ 533,475	\$ 453,209	\$ 363,292	\$ 299,323	\$ 310,685	\$ 329,602	\$ 291,714	
Small Demand	\$ 36,539,968	\$ 3,926,242	\$ 3,429,062	\$ 3,405,364	\$ 3,140,291	\$ 3,207,687	\$ 3,103,444	\$ 2,977,931	\$ 2,664,177	\$ 2,710,940	\$ 2,777,914	\$ 2,601,332	\$ 2,595,585
Large	\$ 15,575,687	\$ 1,722,454	\$ 1,521,084	\$ 1,509,896	\$ 1,322,924	\$ 1,388,833	\$ 1,324,224	\$ 1,247,179	\$ 1,096,445	\$ 1,112,582	\$ 1,138,639	\$ 1,059,790	\$ 1,131,637
Street Lighting (Agencies)	\$ 5,110,309	\$ 512,797	\$ 442,151	\$ 429,604	\$ 431,223	\$ 420,402	\$ 431,199	\$ 405,194	\$ 401,995	\$ 404,624	\$ 410,529	\$ 392,968	\$ 427,622
Sub-Total	\$ 62,802,063	\$ 7,009,174	\$ 6,067,930	\$ 5,959,284	\$ 5,442,727	\$ 5,550,397	\$ 5,312,075	\$ 4,993,596	\$ 4,461,941	\$ 4,538,831	\$ 4,656,684	\$ 4,345,805	\$ 4,463,619
Total	\$ 386,260,386	\$ 42,809,255	\$ 37,215,002	\$ 38,136,065	\$ 33,097,053	\$ 34,879,746	\$ 32,895,890	\$ 30,356,758	\$ 26,559,117	\$ 26,971,631	\$ 29,150,292	\$ 26,968,822	\$ 27,220,756
U.S. Navy	\$ 87,300,333	\$ 8,615,354	\$ 8,840,672	\$ 7,492,766	\$ 9,768,043	\$ 8,297,876	\$ 7,172,981	\$ 7,472,152	\$ 5,363,238	\$ 6,283,772	\$ 6,721,502	\$ 5,716,481	\$ 5,555,495
Grand Total	\$ 473,560,719	\$ 51,424,609	\$ 46,055,673	\$ 45,628,831	\$ 42,865,096	\$ 43,177,622	\$ 40,068,870	\$ 37,828,910	\$ 31,922,355	\$ 33,255,403	\$ 35,871,795	\$ 32,685,303	\$ 32,776,251
NUMBER OF CUSTOMERS:													
Residential	45,265	45,359	45,368	45,203	45,262	45,260	45,245	45,399	45,200	45,221	45,193	45,227	45,237
Residential - Apt & Condo	6	5	5	5	5	5	5	5			5		
Small General Non Demand	4,546		4,557	4.539	4,539	4,557	4.560	4,568	4.549		4,538		4,515
Small General Demand	732		737	731	731	731	729	728	728	, .	737	737	738
Large General	84		84	85	84	83	83	83	84		84	85	84
•	515		512	516	514	510	511	513	516		520	521	518
Private Outdoor Lighting													
Independent Power Producer	2	3	3	3	2	2	2				2		
Sub-Total	51,150	51,254	51,266	51,082	51,137	51,148	51,135	51,298	51,099	51,101	51,079	51,100	51,100
Government Service:													
Small Non Demand	715		727	723	721	721	718	720	721		699	709	695
Small Demand	345		343	343	343	342	343	344	343		344	358	344
Large	18		18	18	18	18	18	18			18	20	20
Street Lighting (Agencies)	644		644	644	645	642	642	642			641	641	639
Sub-Total	1,722		1,732	1,728	1,727	1,723	1,721	1,724			1,702		1,698
Total	52,872	53,004	52,998	52,810	52,864	52,871	52,856	53,022	52,823	52,811	52,781	52,828	52,798
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	52,873	53,005	52,999	52,811	52,865	52,872	52,857	53,023	52,824	52,812	52,782	52,829	52,799

GPA303

GUAM POWER AUTHORITY ACCRUED REVENUE SEPTEMBER 2022

LEAC 0.296043 DSM 0.003109 FUEL RATE 0.292934

	NUMBER			TOTAL REV	/ENU	E	BASE R	ATE REVENUE		AVERAGE PER CU	STOMER			0.248529	
RATE	OF	KWH											NON-FUEL	OIL	
	CUSTOMERS	SALES	-	AMOUNT	- (C/KWH	C/KWH	AMOUNT		KWH	REVENUE	C/KWH	AMOUNT	C/KWH	AMOUNT
Month			L						١.						
R Residential	45,359	44,105,031		18,081,366		40.9962	40.9962	18,081,366		972.35		9.5272	4,201,990	31.4689	13,879,376
D Residential - Apt & Condo	5		\$	291,521		34.4221	34.4221	291,521	\$	169,379.86		5.0262	42,566	29.3960	248,954
G Small Gen. Non Demand	4,559	7,303,286		3,300,091		45.1864	45.1864	3,300,091	\$	1,601.95		13.6504	996,928	31.5360	2,303,162
J Small Gen. Demand	735	15,651,511		6,610,718		42.2369	42.2369	6,610,718		21,294.57 \$		11.2185	1,755,865	31.0184	4,854,853
P Large General	83	18,604,465		7,445,269		40.0187	40.0187	7,445,269	\$	224,150.18		10.3156	1,919,167	29.7031	5,526,102
I Independent Power Producer	3	104,269	\$	41,425		39.7287	39.7287	41,425	\$	34,756.47 \$		11.4818	11,972	28.2469	29,453
H Private St. Lights	510		\$	29,690		93.2853	93.2853	29,690	\$	62.41 \$		63.9919	20,367	29.2934	9,323
Sub-Total	51,254	86,647,290	\$	35,800,080	\$	41.3170	41.3170	35,800,080	\$	1,690.55 \$	698.4836	10.3279	8,948,857	30.9891	26,851,224
Government Service:															
	705	4.050.404	_	0.47.000		40.0004	40.0004	0.47.000		0.004.47	4 400 0404	44.0007	075 407	00 0004	570.045
S Small Non Demand	725	1,953,494	\$	847,682		43.3931	43.3931	847,682	\$	2,694.47 \$		14.0997	275,437	29.2934	572,245
K Small Demand	345		\$	3,926,242		42.1501	42.1501	3,926,242		26,999.70 \$		12.8567	1,197,592	29.2934	2,728,650
L Large	18	4,274,663		1,722,454		40.2945	40.2945	1,722,454	\$	237,481.27 \$		11.4780	490,645	28.8165	1,231,809
F Street Lighting (Agencies)	662	,	\$	512,797		104.9687	104.9687	512,797	\$	737.95 \$		75.6753	369,692	29.2934	143,105
Sub-Total	1,750		\$	7,009,174		43.7210	43.7210	7,009,174	\$	9,160.90 \$		14.5548	2,333,365	29.1662	4,675,809
	53,004	102,678,868	\$	42,809,255		85.0381	85.0381	42,809,255	\$	1,937.19 \$	807.6608	10.9879	11,282,222	30.7045	31,527,033
U.S. Navy	1	26,042,598	\$	8,615,354	\$	33.0818	33.0818	8,615,354	ŀ			6.5634	1,709,281	26.5184	6,906,073
TOTAL	53,005	128,721,466	\$	51,424,609	\$	39.9503	39.9503	51,424,609	\$	2,428.48 \$	970.1841	10.0927	12,991,503	29.8576	38,433,106
Twelve Months Ended September 2022			_		_										
R Residential	45,265	547,782,592		165,347,186		30.1848	30.1848	165,347,186		12,101.81 \$		9.9135	54,304,398	20.2713	111,042,788
D Residential - Apt & Condo	6	7,775,001	\$	2,216,717		28.5108	28.5108	2,216,717		1,227,631.75 \$		8.2926	644,749	20.2182	1,571,968
G Small Gen. Non Demand	4,546	84,942,838	\$		\$	34.5931	34.5931	29,384,320		18,685.52		14.1172	11,991,544	20.4759	17,392,776
J Small Gen. Demand	732	188,201,489	\$	59,815,601		31.7827	31.7827	59,815,601	\$	257,047.33 \$		11.5155	21,672,348	20.2672	38,143,252
P Large General	84	215,282,029	\$	66,122,084		30.7142	30.7142	66,122,084		2,570,531.69 \$		10.6448	22,916,334	20.0694	43,205,750
I Independent Power Producer	2	775,486	\$	253,080		32.6350	32.6350	253,080			112,480.0185	11.4285	88,627	21.2065	164,453
H Private St. Lights	515	380,063	\$	319,336	\$	84.0219	84.0219	319,336	\$	737.99 \$	620.0699	64.0992	243,617	19.9227	75,719
Sub-Total	51,150	1,045,139,498	\$	323,458,323	\$	30.9488	30.9488	323,458,323	\$	20,432.87 \$	6,323.7312	10.7030	111,861,617	20.2458	211,596,707
Government Service:															
S Small Non Demand	715	15,506,666	\$	5,576,098	\$	35.9594	35.9594	5,576,098	8 8	21,677.54 \$	7,795.1050	14.9315	2,315,379	21.0279	3,260,720
K Small Demand	345	110,881,888	\$		\$	32.9540	32.9540	36,539,968		321,629.84		12.9968	14,411,058	19.9572	22,128,911
L Large	18	49,903,338	\$	15,575,687		31.2117	31.2117	15,575,687	s	2,722,000.25		11.5036	5,740,700	19.7081	9,834,988
F Street Lighting (Agencies)	644		\$	5,110,309		96.6496	96.6496	5,110,309		8,212.47		76.6961	4,055,274	19.9535	1,055,034
Sub-Total	1,722	181,579,352		62,802,063		34.5866	34.5866	62,802,063		105,431.47		14.6065	26,522,410	19.9801	36,279,653
	.,	,,	Ť	,,	•			,,	T.	,			,		,
U.S. Navy	1	313,440,690	\$	87,300,333	\$	27.8523	27.8523	87,300,333	3			6.1970	19,424,025	21.6552	67,876,308
TOTAL	52,873	1,540,159,540	s	473,560,719	s	30.7475	30.7475	473,560,719	s	29.129 \$	8.956.5416	10.2462	157,808,052	20.5013	315,752,667
	,	1,010,100,00	,	,,.	•			,,		, ,	2,000.07.0		,,		210,102,00
Twelve Months Ended September 2022			l												
R Residential	45,265	547,782,592	\$	165,347,186	\$	30.1848	30.1848	165,347,186	\$	12,101.81 \$	3,652.9109	9.9135	54,304,398	20.2713	111,042,788
D Residential - Apt & Condo	6	7,775,001	\$	2,216,717	\$	28.5108	28.5108	2,216,716	\$	1,227,631.75 \$	350,007.9418	8.2926	644,748	20.2182	1,571,968
G Small Gen. Non Demand	4,546	84,942,838	\$	29,384,320	\$	34.5931	34.5931	29,384,320	\$	18,685.52 \$	6,463.8932	14.1172	11,991,544	20.4759	17,392,776
J Small Gen. Demand	732	188,201,489		59,815,601	\$	31.7827	31.7827	59,815,601	\$	257,047.33 \$	81,696.7002	11.5155	21,672,348	20.2672	38,143,252
P Large General	84	215,282,029	\$	66,122,084		30.7142	30.7142	66,122,084		2,570,531.69 \$		10.6448	22,916,334	20.0694	43,205,750
I Independent Power Producer	2		\$	253,080	\$	32.6350	32.6350	253,080			112,479.9912	11.4285	88,627	21.2065	164,453
H Private St. Lights	515	380,063	\$	319,336	\$	84.0220	84.0220	319,336	\$	737.99 \$	620.0705	64.0993	243,617	19.9227	75,719
Sub-Total	51,150	1,045,139,498	\$	323,458,324	\$	30.9488	30.9488	323,458,323	\$	20,432.87 \$	6,323.7312	10.7030	111,861,616	20.2458	211,596,707
			l												
Government Service:	_		١.		_				1.						
S Small Non Demand	715	15,506,666		5,576,098		35.9594	35.9594	5,576,098		21,677.54 \$		14.9315	2,315,379	21.0279	3,260,720
K Small Demand	345		\$	36,539,968		32.9540	32.9540	36,539,968			105,989.7554	12.9968	14,411,058	19.9572	22,128,911
L Large	18		\$	15,575,687		31.2117	31.2117	15,575,687		2,722,000.25		11.5036	5,740,700	19.7081	9,834,988
F Street Lighting (Agencies)	644	5,287,460		5,110,309		96.6496	96.6496	5,110,309		8,212.47 \$		76.6961	4,055,274	19.9535	1,055,034
Sub-Total	1,722		\$	62,802,063		34.5866	34.5866	62,802,063		105,431.47		14.6065	26,522,410	19.9801	36,279,653
l	52,872	1,226,718,850		386,260,386		31.4873	31.4873	386,260,385	\$	23,201.60 \$	42,788.8569	11.2808	138,384,026	20.2065	247,876,359
U.S. Navy	1	313,440,690	\$	87,300,333	\$	27.8523	27.8523	87,300,333	3			6.1970	19,424,025	21.6552	67,876,308
TOTAL	52,873	1,540,159,539		473,560,719	e	30.7475	30.7475	473,560,718.18		29.129.3228	8.956.54165	10.2462	157,808,051	20.5013	315,752,667
IUIAL	52,873	1,540,159,539	Þ	4/3,000,/19	ð	30.7475	30.7475	4/3,500,/18.18	Þ	29,129.3228	0,900.04165	10.2462	157,606,051	∠0.5013	315,/52,66/

GPA-318 ENERGY ACCOUNT FOR INTERNAL USE ONLY
318Sep22 FY 2022 Versus FY 2021

	September 2	022	September 2	021	Y T D 202	2	Y T D 2021		MOVING TWEL	VE MONTHS
Gross Generation		T		1		T		T		
Number of days in Period	30		30		365		365		365	
Peak demand	260		256		300		258		300	
Date	09/07/22		09/20/21		08/01/22		05/14/21		08/01/22	
	KWH	% change	KWH	% change	KWH	% change	KWH	% change	KWH	% change
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	62,504,000		62,865,000		615,429,000		685,785,000		615,429,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	27,183,200		27,023,100		284,360,860		326,603,100		284,360,860	
MEC (ENRON) Piti 9 (IPP)	11,144,500		29,887,200		220,346,000		334,726,600		220,346,000	
TEMES Piti 7 (IPP)	8,009,104		1,612,638		154,083,029		60,266,243		154,083,029	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:	· ·		· ·		· ·		0		v	
MDI 10MW	45,724		0		2,660,313		257,173		2,660,313	
NRG Solar Dandan	3,607,372		3,662,870		47,515,268		50,932,983		47,515,268	
			3,002,870				30,932,983			
KEPCO Mangilao Solar	11,160,254				46,492,610				46,492,610	
Dededo CT #1	1,637,010		1,298,670		44,814,210		17,597,000		44,814,210	
Dededo CT #2	2,759,580		1,373,600		55,499,490		21,172,500		55,499,490	
Macheche CT	696,058		5,683,757		41,351,086		75,519,866		41,351,086	
Yigo CT (Leased)	6,454,072		7,597,740		102,902,574		37,812,766		102,902,574	
Tenjo	246,150		757,395		14,931,880		24,409,465		14,931,880	
Talofofo 10 MW	432,650		380,820		5,741,510		8,474,670		5,741,510	
Aggreko/Yigo Diesel Units	6,648,980		1,485,495		59,962,514		73,376,821		59,962,514	
Wind Turbine*	0		0		0		0		0	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	142,528,654		143,628,285		1,696,090,344		1,716,934,187		1,696,090,344	
Ratio to last year		99.23		105.77		98.79		101.80		98.79
ov d	5 611 210		5.017.053		(2.157.77)		67.020.540		62 167 776	
Station use	5,611,310		5,917,853	4.10	63,157,776	2.72	67,029,540	2.00	63,157,776	0.70
Ratio to Gross generation		3.94		4.12		3.72		3.90		3.72
Net send out	136,917,344		137,710,432		1,632,932,567		1,649,904,647		1,632,932,567	
Ratio to last year	130,917,344	99.42	137,710,432	105.19	1,032,932,307	98.97	1,049,904,047	101.78	1,032,932,307	98.97
Ratio to last year		99.42		103.19		98.97		101.76		90.97
KWH deliveries:										
Sales to Navy (@34.5kv)	26,042,598		26,815,294		313,440,688		311,742,587		313,440,688	
Ratio to last year		97.12		112.31		100.54		100.77		100.54
GPA-metered	110,874,746		110,895,138		1,319,491,879		1,338,162,060		1,319,491,879	
	110,874,740	00.00	110,895,138		1,319,491,879	20.50	1,338,102,000	100.01	1,319,491,879	00.00
Ratio to last year		99.98		103.60		98.60		102.01		98.60
Power factor adj.	0		0		0		0		0	
Adjusted	110,874,746		110,895,138		1,319,491,879		1,338,162,060		1,319,491,879	
GPA KWH Accountability:										
Sales to civilian customers-										
accrual basis	102,678,868		101,952,511		1,226,718,851		1,243,224,791		1,226,718,851	
Ratio to last year		100.71		104.17		98.67		102.40		98.67
GPA use-KWH	318,519		292,992		3,528,235		3,991,988		3,528,235	
Unaccounted For	7,877,358		8,649,636		89,244,794		90,945,281		89,244,794	
Ratio to deliveries		7.10		7.80		6.76		6.80		6.76
Ratio to Gross Generation		5.53		6.02		5.26		5.30		5.26
Ratio to Net Send Out		5.77		6.29		5.47		5.51		5.48

GPA-317Sep22

Guam Power Authority Fuel Consumption FY 2022

	Septemb	er 2022	YEAR-	TO-DATE	MOVING 1	2 MONTHS
Description	BARRELS	AMOUNT	BARRELS	AMOUNT	BARREL S	AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low/Ultra Sulfur	0	0	0	0	0	0
	0	0	0	0	0	0
GPA:						
High Sulfur	5,080	\$479,108	840,447	\$ 68,270,214	840,447	\$ 68,270,214
Diesel	117,833	\$14,596,767	1,227,850	\$ 159,267,766		
Low/Ultra Sulfur	105,492	\$12,316,883	823,382	\$ 88,117,230	823,382	\$ 88,117,230
Deferred Fuel Costs	0	\$7,559,633	0	\$ (25,373,371)		
Fuel Adjustments	0	\$937,681		\$ 957,210		
Fuel Handling Costs	0	\$2,543,034	0	\$ 24,513,619		
	228,406	\$38,433,106	2,891,678	\$ 315,752,668	2,891,678	\$ 315,752,668
IWPS:						
High Sulfur	5,080	\$479,108				
Diesel	117,833	\$14,596,767				
Low/Ultra Sulfur	105,492	\$12,316,883	823,382			
Deferred Fuel Costs	0	\$7,559,633	0	\$ (25,373,371)		
Fuel Variance	0	\$937,681	0	\$ 957,210		\$ 957,210
Fuel Handling Costs	0	\$2,543,034	0	\$ 24,513,619		
	228,406	\$38,433,106	2,891,678	\$ 315,752,668	2,891,678	\$ 315,752,668
AVERAGE COST/Bbl.						
		\$94.30		\$81.23		\$81.23
High Sulfur Diesel		\$94.30 \$123.88		\$81.23 \$129.71		\$81.23 \$129.71
Low/Ultra Sulfur						\$129.71 \$107.02
AS BURNED		\$116.76		\$107.02	1	\$107.02
		-		-		-
Cabras 1 & 2		450.400	£44.005		644.00	
High Sulfur	5,080	\$ 479,108	644,927	- , - ,	644,927	
Low/Ultra Sulfur	105,492	\$ 12,316,883	431,711		431,711	
Diesel	110.572	\$ -	1,584	\$ 165,528	1,584	
Cabras 3 & 4	110,572	\$ 12,795,991	1,078,222	\$ 99,555,942	1,078,222	\$ 99,555,942
High Sulfur	0	s -	0	s -	0	s -
Low/Ultra Sulfur	0	s -	0	\$ -	-	s -
Diesel	0	\$ -	0	\$ -		\$ -
Diesei	0	\$ -	0	\$ -	0	
MEC (Piti Units 8&9)	Ů	Ψ	Ů	Ψ		J
High Sulfur	0	\$ -	195,520	\$ 15,807,646	195,520	\$ 15,807,646
Low/Ultra Sulfur	0	\$ -	391,670		391,670	
Diesel	56,650	\$ 5,382,215	100,220		100,220	
	56,650		687,410		687,410	
Diesel & CT's - GPA:						
MDI Dsl	74	\$ 8,990	4,253	\$ 444,679	4,253	\$ 444,679
Dededo CT #1	4,668	\$ 710,024	132,030	\$ 17,881,597	132,030	\$ 17,881,597
Dededo CT #2	7,896	\$ 1,200,990	159,468	\$ 21,104,893	159,468	\$ 21,104,893
Macheche CT	656	\$ 101,507	84,122	\$ 10,946,813	84,122	\$ 10,946,813
Yigo CT	13,237	\$ 1,981,705	205,594	\$ 27,029,608	205,594	\$ 27,029,608
Talofofo 10 MW	725	\$ 121,258	9,735	\$ 1,357,734	9,735	\$ 1,357,734
Aggreko	12,669	\$ 1,908,912	112,830	\$ 16,554,151	112,830	\$ 16,554,151
Tenjo	410	\$ 35,699	25,526	\$ 2,240,121	25,526	\$ 2,240,121
TEMES (IPP)	20,816	\$ 3,140,437	391,770	\$ 52,247,900	391,770	\$ 52,247,900
GWA Generators	32		715	\$ 110,952	715	\$ 110,952
	61,184	\$ 9,214,552	1,126,046	\$ 149,918,450	1,126,046	\$ 149,918,450
Deferred Fuel Costs	1	e 7.550.622		\$ (25,373,371)	J	\$ (25,373,371)
	0	3 /.ɔɔy.nii				
Adjustment	0					
Adjustment Fuel Handling Costs	0	\$ 937,681		\$ 957,210 \$ 24,513,619		\$ 957,210 \$ 24,513,619

		Statement of o				
		nparison-Budget v nd year to date e		30, 2022		
		Actual				
	Budget	Actual September-22	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian Non-fuel yield	101,389 \$ 0.111378	•	-1,289 \$ 0.001499	1,211,380 \$ 0.113189	1,226,719 \$ 0.115153	-15,339 \$ (0.001964)
KwH Sales-Navy	\$ 0.111378 26,286	26,043	243	305,835	313,441	-7,605
Non-fuel yield	\$ 0.058179		\$ (0.007455)			
Operating revenue Civilian sales	11,293	11,282	10	137,115	141,261	-4,146
Oil	21,200		-17,233	249,186	312,876	-4,146 -63,690
Navy	1,529	1,709	-180	19,085	19,424	-339
DSM-Rebates	0		-323	0	3,818	-3,818
Other income	180		-30	2,160	2,388	-228
	34,202	51,957	-17,755	407,546	479,767	-72,220
Bad debts expense	102	102	0	1,223	1,223	0
Total operating revenues	34,100	51,855	-17,755	406,324	478,544	-72,220
Operating expenses:						
Production fuel	21,200	38,433	-17,233	249,186	315,753	-66,566
O & M expenses:						
Other production Transmission distribution	2,259 1,100	2,149 242	109 858	21,191 12,682	19,137 13,709	2,054
Administrative expense	4,346		1,440	42,470	32,579	-1,027 9,891
Customer accounting	716		155	5,839	7,087	-1,248
	8,421	5,859	2,562	82,182	72,512	9,670
IPP costs	1,042	786	256	12,810	9,825	2,985
Depreciation	3,355	3,158	196	40,254	35,158	5,096
	34,017	48,236	-14,219	384,432	433,248	-48,816
Operating income	83	3,619	-3,536	21,891	45,296	-23,404
Other revenue (expenses):						.=-
Investment income Interest expense	83 (2,093)	330 (1,902)	-246 (191)	1,000 (25,149)	1,179 (24,992)	-178 (157)
Allowance for funds used during construction	(2,043)	(1,402)	(4)	(23, 149)	123	(123)
Pandemic -COVID19	0		0	0	(251)	251
Losses due to typhoon	0	(/	35	0	(2,233)	2,233
Bond issuance costs/Other expenses	40	(242)	282	475	(2,840)	3,315
Net income before capital contribution	(1,888)	1,774	(3,662)	(1,782)	16,282	(18,065)
Grants from the U.S. Government		23	(23)		994	(994)
Increase (decrease) in net assets	(1,888)	1,797	(3,685)	(1,782)	17,276	(19,059)
Sales Budget versus Actual				Expenses		
		30	0,000	Budget versus Ac	tuai	
300,000		25	0,000			
250,000 8 200,000			0,000			
8 200,000 5 150,000			0,000			
100,000			***			
50,000		(50	Other blog	TAD PAGE	other keets people people	ciation Interest
0 I Civilian sales Oil Nav	y Other income	e	Org.	Creg	defet fects have come people	*
→ YTD budget → YTD Actual				■YTD budget —	—YTD Actual	
TID budget TID Actual				- TID budget -	D Actual	

Guam Power Authority						
Debt service coverage						
September 30, 2022						
						YTD
	Restated	Audited	Audited	Audited	Audited	Unaudited
	2017	2018	2019	2020	2021	2022
Funds Available for Debt Service						
Earnings from Operations	\$36,522	\$38,164	\$39,053	\$27,703	\$33,341	\$45,291
Interest Income	\$122	\$620	\$2,746	836	(245)	(327)
Depreciation Expense	44,292	37,184	36,999	37,645	38,235	35,158
Balance Available for Debt Service	\$80,936	\$75,968	\$78,798	\$66,184	\$71,331	\$80,122
IPP - Capital Costs						
Principal	\$20,796	\$23,210	\$13,470	\$8,399	\$2,217	-
Interest	5,609	3,159	1,068	531	28	0
Total IPP Payments	\$26,405	\$26,369	\$14,538	\$8,930	\$2,245	\$0
Bond Debt Service						
Principal (1993 & 1999 Revenue Bond)	\$0	\$0	\$0	\$0	\$0	\$0
Interest (1993 & 1999 Revenue Bond)	0	0	0	0	0	0
Principal and Interest (2010 Subordinate Bond)	0	0	0	0	0	0
Principal and Interest (2010 Senior TE Bond)	7,999	2,000	0	0	0	0
Principal and Interest (2012 Senior TE Bond)	17,449	17,086	31,467	35,232	35,232	35,005
Principal and Interest (2014 Senior TE Bond)	5,084	5,083	5,084	5,087	5,088	5,086
Principal and Interest (2017 Senior TE Bond)		5,916	7,607	7,418	7,416	7,733
Principal and Interest (2022 Bond)						8,745
Total	\$30,532	\$30,086	\$44,158	\$47,737	\$47,736	\$56,569
Debt Service Coverage (DSC) Calculation						
Existing DSC Methodology (Senior)	1.79 x	1.65 x	1.46 x	1.20 x	1.45 x	1.42
Existing DSC Methodology (Senior+Subordinate)	1.79 x	1.65 x	1.46 x	1.20 x	1.45 x	1.42
Bond Covenant DSC	2.65 x	2.53 x	1.78 x	1.39 x	1.49 x	1.42
Dobt Comitoe Consumo Domitoemento						
Debt Service Coverage Requirements	1 75	1 75	1 75	1 75	1 75	1 75
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75 x	1.75
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30 x	1.30
Minimum Bond Covenant Requirement (Subordinate Bond)	1.20 x	1.20 x	1.20 x	1.20 x	1.20 x	1.20
				BT SERVICE COV FY2022	ERAGE	
Notes:		Existing N	ethodology ——Bor	nd covenant calc -	—Target ——Bono	d requirement
(1) Source: Guam Power Authority, 2017 - 2020 Audited Financial Statemer	nts	2.50				
and 2020-2021 Unaudited Financial Statements		2.00				1.75
(2) Interest income is net of interest earnings in the Construction Fund and						1.30
the amortization of deferred credit		1.50				
(3) Existing DSC Methodology (Rating Agency Method):		1.00				
(Operating Earnings + Depreciation Expense - IPP Principal & Interest Pa	ayments)/	0.50				
(Senior and Subordinate Bond Principal & Interest Payments)		0.00	1 D 01 1 00 = :	20 Mar 22 4 25 3	1 00 Iv 00 I I	A
(4) Bond Covenant DSC Methodology: (Operating Earnings + Depreciation Ex	kpense)/	Oct-21 Nov-2	1 Dec-21 Jan-22 Feb	-22 Mar-22 Apr-22 N	nay-22 Jun-22 Jul-22	Aug-22 Sep-22
(Senior and Subordinate Bond Principal & Interest Payments)						
						ļ
	L					

				REVENUES-A	ACTUAL VS PROJECTIO	NS		
	1	MONTHLY - SE	TEMBER 2022	1	_	YTD THRU 0	9/30/2022	1
		WONTHET - SE	TEMBER 2022			TID HIKO O	13/30/2022	
KWH	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
Residential	44,874,472	44,105,031	(769,442)	-1.71%	561,301,387	547,782,592	(13,518,795)	-2.41%
Residential - Apt & Condo	610,894	846,899	236,005	38.63%	7,380,412	7,775,001	394,589	5.35%
Small General-Non-Demand Small General-Demand	6,425,940 15,392,902	7,303,286 15,651,511	877,347 258,609	13.65% 1.68%	72,851,335 184,880,311	84,942,838 188,201,489	12,091,503 3,321,179	16.60% 1.80%
Large	17,812,109	18,604,465	792,356	4.45%	215,385,354	215,282,029	(103,325)	-0.05%
Independent Power Producers	45,925	104,269	58,344	127.04%	385,225	775,486	390,261	101.31%
Private St. Lites Sub-total	31,562 85,193,805	31,828 86,647,290	265 1,453,485	0.84% 1.71%	383,729 1,042,567,753	380,063 1,045,139,498	(3,667) 2,571,745	-0.96% 0.25%
Government	00,100,000	00,047,200	1,400,400	1.7170	1,042,001,100	1,040,100,400	2,071,740	
Small_Non Demand	887,351	1,953,494	1,066,143	120.15%	10,147,651	15,506,666	5,359,015	52.81%
Small-Demand Large	8,358,667 4,221,755	9,314,898 4,274,663	956,231 52,908	11.44% 1.25%	95,030,467 53,918,577	110,881,888 49,903,338	15,851,421 (4,015,239)	16.68% -7.45%
Public St. Lites	555,207	488,523	(66,684)	-12.01%	6,899,189	5,287,460	(1,611,729)	-23.36%
Sub-total Total-Civilian	14,022,981	16,031,578	2,008,597	14.32%	165,995,884	181,579,352	15,583,468	9.39%
USN	99,216,786 24,428,719	102,678,868 26,042,598	3,462,082 1,613,880	3.49% 6.61%	1,208,563,637 304,861,063	1,226,718,850 313,440,690	18,155,213 8,579,626	1.50% 2.81%
Grand Total	123,645,505	128,721,466	5,075,961	4.11%	1,513,424,700	1,540,159,540	26,734,840	1.77%
Non-Oil Yield								
Residential	0.095521	0.095272	(0.000248)	-0.26%	0.096750	0.099135	0.002385	2.47%
Residential - Apt & Condo	0.095521	0.050262	(0.045259)	-47.38%	0.095521	0.082926	(0.012595)	-13.19%
Small General-Non-Demand Small General-Demand	0.144739 0.121493	0.136504 0.112185	(0.008235) (0.009308)	-5.69% -7.66%	0.144739 0.121493	0.141172 0.115155	(0.003567) (0.006338)	-2.46% -5.22%
Large	0.108878	0.103156	(0.005722)	-5.26%	0.108878	0.106448	(0.002430)	-2.23%
Independent Power Producers	0.122012	0.195331	0.073319	0.00%	0.623726	0.125111	(0.498615)	0.00%
Private St. Lites Sub-total	0.623726 0.107516	0.376154 0.103279	(0.247572) (0.004237)	-39.69% -3.94%	0.122012 0.107192	0.618904 0.107030	0.496892 (0.000161)	407.25% -0.15%
Government					-			
Small_Non Demand	0.164306	0.140997	(0.023309)	-14.19%	0.164306	0.149315	(0.014991)	-9.12% 3.13%
Small-Demand Large	0.134162 0.128286	0.128567 0.114780	(0.005594) (0.013506)	-4.17% -10.53%	0.134162 0.128286	0.129968 0.115036	(0.004194) (0.013249)	-3.13% -10.33%
Public St. Lites	0.583654	0.756753	0.173100	29.66%	0.583654	0.766961	0.183307	31.41%
Sub-total	0.152097	0.145548	(0.006549)	-4.31% 2.46%	0.152778	0.146065	(0.006713)	-4.39%
Total-Civilian USN	0.113817 0.062602	0.109879 0.065634	(0.003938) 0.003032	-3.46% 4.84%	0.164654 0.062602	0.112808 0.061970	(0.051846) (0.000631)	-31.49% -1.01%
Grand Total	0.103698	0.100927	(0.002771)	-2.67%	0.103210	0.102462	(0.000747)	-0.72%
Non-Oil Revenues								
Residential	4,329,306	4,201,990	(127,316)	-2.94%	54,305,747	54,304,398	(1,349)	0.00%
Residential - Apt & Condo	58,353	42,566	(15,787)	-27.05%	704,982	644,749	(60,233)	-8.54%
Small General-Non-Demand Small General-Demand	930,082 1,870,130	996,928 1,755,865	66,847 (114,265)	7.19% -6.11%	10,544,404 22,461,664	11,991,544 21,672,348	1,447,140 (789,316)	13.72% -3.51%
Large	1,939,351	1,919,167	(20,184)	-1.04%	23,450,781	22,916,334	(534,447)	-2.28%
Independent Power Producers	28,645	20,367	(8,278)	-28.90%	240,275	97,022	(143,253)	-59.62%
Private St. Lites Sub-total	3,851 9,159,718	11,972 8,948,857	8,121 (210,861)	210.88% -2.30%	46,819 111,754,672	235,222 111,861,617	188,403 106,945	402.40% 0.10%
Government	-,,	-,,			,	,,	,	
Small_Non Demand	145,797	275,437	129,640	88.92%	1,667,321	2,315,379	648,058	38.87%
Small-Demand Large	1,121,412 541,591	1,197,592 490,645	76,179 (50,946)	6.79% -9.41%	12,749,440 6,916,979	14,411,058 5,740,700	1,661,617 (1,176,280)	13.03% -17.01%
Public St. Lites	324,049	369,692	45,643	14.09%	4,026,738	4,055,274	28,536	0.71%
Sub-total	2,132,849	2,333,365	200,516	9.40%	25,360,479	26,522,410	1,161,931	4.58%
Total-Civilian USN	11,292,567 1,529,282	11,282,222 1,709,281	(10,345) 179,999	-0.09% 11.77%	137,115,151 19,084,849	138,384,027 19,424,025	1,268,876 339,176	0.93% 1.78%
Grand Total	12,821,848	12,991,503	169,655	1.32%	156,200,000	157,808,052	1,608,052	1.03%
% of Total Revenues Oil Revenues	37.69%	25.26%			38.53%	33.32%		
Residential	7,694,087	13,879,376	6,185,289	80.39%	92,432,725	111,042,788	18,610,063	20.13%
Residential - Apt & Condo Small General-Non-Demand	104,743 1,101,779	248,954	144,212	109.04%	1,213,894	1,571,968	358,074	29.50% 44.58%
Small General-Non-Demand Small General-Demand	1,101,779 2,639,236	2,303,162 4,854,853	1,201,383 2,215,617	109.04% 83.95%	12,029,718 30,485,692	17,392,776 38,143,252	5,363,058 7,657,560	44.58% 25.12%
Large	3,054,029	5,526,102	2,472,073	80.94%	35,407,148	43,205,750	7,798,602	22.03%
Independent Power Producers Private St. Lites	7,874 5,412	29,453	21,579 3,912	274.04% 72.28%	63,438	164,453 75,719	101,015 12,593	159.23% 19.95%
Sub-total	14,607,159	9,323 26,851,224	12,244,064	83.82%	63,126 171,695,741	211,596,707	39,900,966	23.24%
Government								
Small_Non Demand Small-Demand	152,144 1,433,160	572,245 2,728,650	420,101 1,295,490	276.12% 90.39%	1,672,126 15,659,266	3,260,720 22,128,911	1,588,594 6,469,645	95.00% 41.32%
Large	723,854	1,231,809	507,955	70.17%	8,834,693	9,834,988	1,000,295	11.32%
Public St. Lites	95,195	143,105	47,910	50.33%	1,133,599	1,055,034	(78,564)	-6.93%
Sub-total Total-Civilian	2,404,352 17,011,512	4,675,809 31,527,033	2,271,457 14,515,521	94.47% 85.33%	27,299,683 198,995,424	36,279,652 247,876,359	8,979,969 48,880,935	32.89% 24.56%
USN	4,188,499	6,906,073	2,717,574	64.88%	50,190,844	67,876,308	17,685,464	35.24%
Grand Total	21,200,011	38,433,106	17,233,095	81.29%	249,186,268	315,752,667	66,566,399	26.71%
	62.31%	74.74%			61.47%	66.68%		
Count Total								
Grand Total Residential	12,023,393	18,081,366	6,057,973	50.38%	146,738,472	165,347,186	18,608,714	12.68%
Residential - Apt & Condo	163,096	291,521	128,425	44.05%	1,918,876	2,216,717	297,841	15.52%
Small General-Non-Demand	2,031,861	3,300,091	1,268,230	62.42%	22,574,122	29,384,320	6,810,198	30.17%
Small General-Demand Large	4,509,366 4,993,380	6,610,718 7,445,269	2,101,352 2,451,890	46.60% 49.10%	52,947,356 58,857,928	59,815,601 66,122,084	6,868,245 7,264,156	12.97% 12.34%
Independent Power Producers	36,519	49,820	13,301	36.42%	303,713	261,475	(42,238)	-13.91%
Private St. Lites	9,263	21,295	12,033	129.91%	109,946	310,941	200,995	182.81%
Sub-total Government	23,766,877	35,800,080	12,033,203	50.63%	283,450,413	323,458,323	40,007,910	14.11%
Small_Non Demand	297,941	847,682	549,741	184.51%	3,339,447	5,576,098	2,236,652	66.98%
Small-Demand	2,554,573	3,926,242	1,371,669	53.69%	28,408,706	36,539,968	8,131,262	28.62%
Large Public St. Lites	1,265,444	1,722,454	457,010	36.11%	15,751,672	15,575,687	(175,985)	-1.12%
Public St. Lites Sub-total	419,244 4,537,201	512,797 7,009,174	93,553 2,471,973	22.31% 54.48%	5,160,337 52,660,162	5,110,309 62,802,063	(50,028) 10,141,901	-0.97% 19.26%
Total-Civilian	28,304,078	42,809,255	14,505,176	51.25%	336,110,575	386,260,386	50,149,811	14.92%
USN Grand Total	5,717,781	8,615,354	2,897,574	50.68%	69,275,693	87,300,333 473,560,719	18,024,640	26.02%
Grand Total	34,021,859	51,424,609	17,402,750	51.15%	405,386,268	473,560,719	68,174,451	16.82%

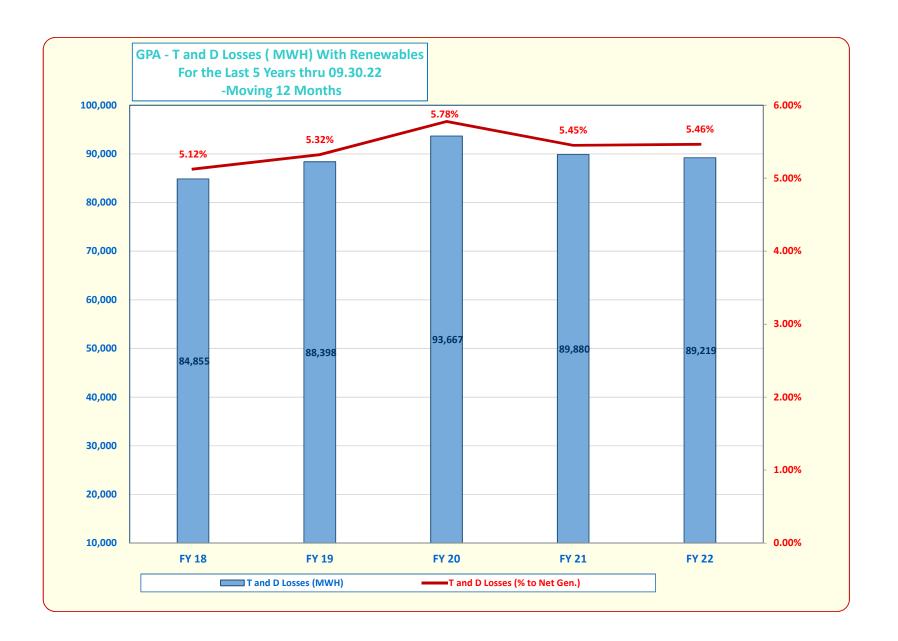
YTD REVENUES - CURRENT YEAR VS PRIOR YEAR

MTD REVENUES - CURRENT YEAR VS PRIOR YEAR

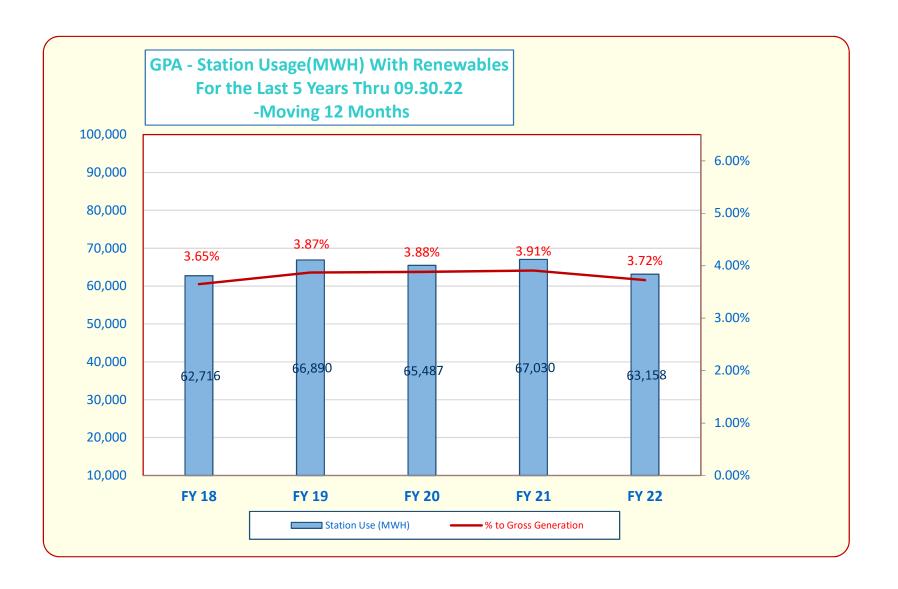
ACTUALS - 12 MONTHS ENDED SEPTEMBER 2022

ACTUALS - MONTH ENDED SEPTEMBER 2022

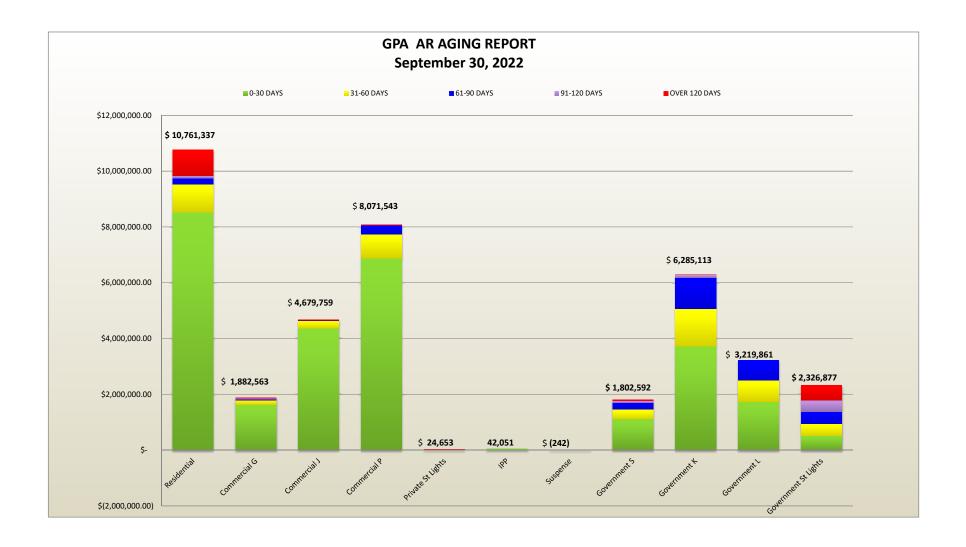
	2022	2021	VARIANCE	% VARIANCE	2022	2021	VARIANCE	% VARIANCE
KWH Residential	547,782,592	581,188,097	(33,405,505)	-5.75%	44,105,031	47,028,402	(2,923,371)	-6.22%
Residential - Apt & Condo	7,775,001	3,156,166	4,618,836	-5.75%	846,899	637,015	209,885	32.95%
Small General-Non-Demand	84,942,838	75,195,708	9,747,130	12.96%	7,303,286	6,593,068	710,218	10.77%
Small General-Demand	188,201,489	189,083,948	(882,458)	-0.47%	15,651,511	15,455,731	195,780	1.27%
Large Independent Power Producers	215,282,029 775,486	219,164,510 420,386	(3,882,482) 355,101	-1.77% 84.47%	18,604,465 104,269	17,704,888 27,693	899,577 76,577	5.08% 276.52%
Private St. Lites	380,063	393,545	(13,483)	-3.43%	31,828	33,440	(1,612)	-4.82%
Sub-total	1,045,139,498	1,068,602,360	(23,462,861)	-2.20%	86,647,290	87,480,236	(832,946)	-0.95%
Government Small Non Demand	15,506,666	10,705,715	4,800,950	44.84%	1,953,494	973,499	979,995	100.67%
Small-Demand	110,881,888	102,547,445	8,334,444	8.13%	9,314,898	8,781,057	533,841	6.08%
Large	49,903,338	54,291,111	(4,387,773)	-8.08%	4,274,663	4,083,142	191,521	4.69%
Public St. Lites	5,287,460	7,078,160	(1,790,700)	-25.30%	488,523	634,577	(146,054)	-23.02%
Sub-total Total-Civilian	181,579,352 1,226,718,850	174,622,431 1,243,224,791	6,956,921 (16,505,940)	3.98% -1.33%	16,031,578 102,678,868	14,472,274 101,952,511	1,559,304 726,357	10.77% 0.71%
USN	313,440,690	311,742,587	1,698,103	0.54%	26,042,598	26,815,294	(772,695)	-2.88%
Grand Total	1,540,159,540	1,554,967,377	(14,807,837)	-0.95%	128,721,466	128,767,804	(46,338)	-0.04%
Non-Oil Yield								
Residential	0.099135	0.096931	0.002204	2.27%	0.095272	0.095604	-0.000331	-0.35%
Residential - Apt & Condo	0.082926	0.000000	0.000000	0.00%	0.050262	0.000000	0.050262	
Small General-Non-Demand Small General-Demand	0.141172 0.115155	0.142310 0.115858	-0.001138 -0.000703	-0.80% -0.61%	0.136504 0.112185	0.138895 0.111782	-0.002391 0.000403	-1.72% 0.36%
Large	0.106448	0.106905	-0.000763	-0.43%	0.103156	0.104178	-0.001022	-0.98%
Independent Power Producers	0.125111	0.112407	0.012703	11.30%	0.195331	0.115821	0.079510	68.65%
Private St. Lites	0.618904	0.626748	-0.007845	-1.25%	0.376154	0.608645	-0.232491	-38.20%
Sub-total Government	0.107030	0.105691	0.001339	1.27%	0.103279	0.103595	-0.000316	-0.31%
Small_Non Demand	0.149315	0.159391	-0.010076	-6.32%	0.140997	0.155886	-0.014889	-9.55%
Small-Demand	0.129968	0.131951	-0.001984	-1.50%	0.128567	0.130693	-0.002126	-1.63%
Large Public St. Lites	0.115036 0.766961	0.120858 0.581168	-0.005822 0.185793	-4.82% 31.97%	0.114780 0.756753	0.116364 0.543847	-0.001584 0.212907	-1.36% 39.15%
Sub-total	0.146065	0.148393	-0.002328	-1.57%	0.145548	0.146461	-0.000913	-0.62%
Total-Civilian	0.112808	0.111689	0.001120	1.00%	0.109879	0.109680	0.000199	0.18%
USN Grand Total	0.061970 0.102462	0.062785 0.101884	-0.000814 0.000578	-1.30% 0.57%	0.065634 0.100927	0.061267 0.099598	0.004367 0.001329	7.13% 1.33%
Grand Total	0.102462	0.101664	0.000576	0.57%	0.100927	0.099596	0.001329	1.33%
Non-Oil Revenues								
Residential	54,304,398	56,335,106	(2,030,708)	-3.60%	4,201,990	4,496,086	(294,096)	-6.54%
Residential - Apt & Condo Small General-Non-Demand	644,749 11,991,544	274,689 10,701,095	370,060 1,290,448	0.00% 12.06%	42,566 996,928	55,021 915,743	(12,455) 81,186	-22.64% 8.87%
Small General-Demand	21,672,348	21,906,858	(234,510)	-1.07%	1,755,865	1,727,673	28,192	1.63%
Large	22,916,334	23,429,816	(513,482)	-2.19%	1,919,167	1,844,457	74,711	4.05%
Independent Power Producers Private St. Lites	97,022 235,222	47,254	49,767	105.32% -4.63%	20,367 11,972	3,207 20,353	17,160	535.00% -41.18%
Sub-total	111,861,617	246,654 112,941,473	(11,432) (1,079,856)	-0.96%	8,948,857	9,062,541	(8,381) (113,684)	-1.25%
Government								
Small_Non Demand	2,315,379	1,706,395	608,984	35.69%	275,437	151,755	123,682	81.50%
Small-Demand Large	14,411,058 5,740,700	13,531,259 6,561,519	879,799 (820,819)	6.50% -12.51%	1,197,592 490,645	1,147,625 475,131	49,967 15,514	4.35% 3.27%
Public St. Lites	4,055,274	4,113,596	(58,322)	-1.42%	369,692	345,113	24,579	7.12%
Sub-total	26,522,410	25,912,769	609,641	2.35%	2,333,365	2,119,624	213,741	10.08%
Total-Civilian USN	138,384,027 19,424,025	138,854,242 19,572,662	(470,214) (148,637)	-0.34% -0.76%	11,282,222 1,709,281	11,182,165 1,642,895	100,057 66,386	0.89% 4.04%
Grand Total	157,808,052	158,426,903	(618,851)	-0.39%	12,991,503	12,825,060	166,443	1.30%
% of Total Revenues								
Oil Revenues Residential	111,042,788	59,617,576	51,425,212	86.26%	13,879,376	5,986,292	7,893,084	131.85%
Residential - Apt & Condo	1,571,968	362,405	1,209,563	00.2070	248,954	81,086	167,868	207.02%
Small General-Non-Demand	17,392,776	7,782,402	9,610,374	123.49%	2,303,162	839,238	1,463,924	174.43%
Small General-Demand Large	38,143,252 43,205,750	19,432,725 22.334.687	18,710,527 20,871,063	96.28% 93.45%	4,854,853 5,526,102	1,966,567 2,238,816	2,888,286 3,287,286	146.87% 146.83%
Independent Power Producers	164,453	41,026	123,427	300.85%	29,453	3,402	26,051	765.72%
Private St. Lites	75,719	40,325	35,394	87.77%	9,323	4,257	5,067	119.04%
Sub-total	211,596,707	109,611,145	101,985,561	93.04%	26,851,224	11,119,659	15,731,565	141.48%
Government Small Non Demand	3,260,720	1,110,037	2,150,683	193.75%	572,245	123,918	448,327	361.79%
Small-Demand	22,128,911	10,588,167	11,540,743	109.00%	2,728,650	1,117,749	1,610,901	144.12%
Large	9,834,988	5,466,549	4,368,439	79.91%	1,231,809	511,918	719,891	140.63%
Public St. Lites Sub-total	1,055,034 36,279,652	725,613 17,890,366	329,422 18,389,287	45.40% 102.79%	143,105 4,675,809	80,776 1,834,361	62,329 2,841,448	77.16% 154.90%
Total-Civilian	247,876,359	127,501,511	120,374,848	94.41%	31,527,033	12,954,020	18,573,013	143.38%
USN	67,876,308	38,305,951	29,570,357	77.20%	6,906,073	4,126,369	2,779,704	67.36%
Grand Total	315,752,667	165,807,462	149,945,205	90.43%	38,433,106	17,080,389	21,352,718	125.01%
Own d Total								
Grand Total Residential	165,347,186	115,952,682	49,394,504	42.60%	18,081,366	10,482,378	7,598,988	72.49%
Residential - Apt & Condo	2,216,717	637,094	1,579,623	72.0070	291,521	136,108	155,413	114.18%
Small General-Non-Demand	29,384,320	18,483,497	10,900,823	58.98%	3,300,091	1,754,981	1,545,109	88.04%
Small General-Demand Large	59,815,601 66,122,084	41,339,583 45,764,502	18,476,017 20,357,581	44.69% 44.48%	6,610,718 7,445,269	3,694,240 4,083,273	2,916,478 3,361,996	78.95% 82.34%
Independent Power Producers	261,475	45,764,502 88,280	173,195	196.19%	49,820	4,063,273 6,610	43,210	653.76%
Private St. Lites	310,941	286,979	23,962	8.35%	21,295	24,609	(3,314)	-13.47%
Sub-total .	323,458,323	222,552,618	100,905,705	45.34%	35,800,080	20,182,200	15,617,881	77.38%
Government Small Non Demand	5,576,098	2,816,432	2,759,667	97.98%	847,682	275,673	572,009	207.50%
Small-Demand	36,539,968	24,119,426	12,420,542	51.50%	3,926,242	2,265,374	1,660,868	73.32%
Large	15,575,687	12,028,068	3,547,619	29.49%	1,722,454	987,049	735,405	74.51%
Public St. Lites Sub-total	5,110,309 62,802,063	4,839,209 43,803,135	271,100 18,998,928	5.60% 43.37%	512,797 7,009,174	425,889 3,953,985	86,908 3,055,189	20.41% 77.27%
Sub-total Total-Civilian	386,260,386	43,803,135 266,355,753	18,998,928	43.37% 45.02%	7,009,174 42,809,255	3,953,985 24,136,184	3,055,189 18,673,070	77.37%
USN	87,300,333	57,878,612	29,421,720	50.83%	8,615,354	5,769,264	2,846,090	49.33%
Grand Total	473,560,719	324,234,365	149,326,354	46.06%	51,424,609	29,905,448	21,519,161	71.96%
	-	-				-		











ACCOUNTS RECEIVABLE BY RATE - ACTIVE AR AGING REPORT AS OF September 30, 2022

GL ACCOUNT	RATE		TOTAL DUE		0-30 DAYS		31-60 DAYS		61-90 DAYS	9	1-120 DAYS	0	VER 120 DAYS
1000.142000.10	Residential - R	\$	9,750,392.88		8,314,642.10		1,000,046.20		218,437.59		89,534.39		127,732.60
1000.142000.11	Residential - PP	\$	793,248.60		(27.64)		=		=		=		793,276.24
1000.142000.17	Residential - D	\$	217,695.61		217,695.61								
1000.142000.12	Commercial G	\$	1,882,562.63		1,629,978.45		162,294.17		36,000.31		22,497.03		31,792.67
1000.142000.13	Commercial J	\$	4,679,758.54		4,366,568.38		275,246.00		18,756.52		1,178.83		18,008.81
1000.142000.14	Commercial P	\$	8,071,543.22		6,883,461.79		855,579.00		310,583.24		-		21,919.19
1000.142000.15	Private St Lights	\$	24,652.66		18,679.75		2,001.90		922.01		549.38		2,499.62
1000.142000.16	IPP	\$	42,051.44		42,051.44								
1000.142000.98	Suspense	\$	(241.84)		(241.84)								
	TOTAL PRIVATE	\$	25,461,663.74	\$	21,472,808.04	\$	2,295,167.27	\$	584,699.67	\$	113,759.63	\$	995,229.13
1000.142000.19	Government S	\$	1,802,591.63	\$	1,120,642.18	\$	337,457.43	\$	242,994.03	\$	64,786.73	\$	36,711.26
1000.142000.20	Government K	\$	6,285,112.87	\$	3,719,869.49	\$	1,350,373.49	\$	1,109,974.56	\$	98,597.28	\$	6,298.05
1000.142000.21	Government L	\$	3,219,860.61	\$	1,733,548.73	\$	763,835.06	\$	722,476.82	\$	-	\$	-
1000.142000.22	Government St Lights	\$	2,326,876.09	\$	515,732.30	\$	435,522.92	\$	420,760.63	\$	420,732.63	\$	534,127.61
	TOTAL GOVERNMENT	\$	13,634,441.20	\$	7,089,792.70	\$	2,887,188.90	\$	2,496,206.04	\$	584,116.64	\$	577,136.92
	GRAND TOTAL	•	39,096,104.94	\$	28,562,600.74	\$	5,182,356.17	\$	3,080,905.71	\$	697,876.27	\$	1,572,366.05
	GRAND TOTAL	-	39,090,104.94	Ψ	20,302,000.74	Ψ	5,162,356.17	<u> </u>		Ψ	097,070.27	φ	1,572,366.05
								Ф	36,825,862.62				
	Total Posidential	¢	10 761 227 00	¢	0 522 240 07	c	1 000 046 20	c	240 427 50	ď	90 534 30	ď	024 009 04
	Total Residential	Ф	10,761,337.09	\$	8,532,310.07	\$	1,000,046.20	\$	218,437.59	\$	89,534.39	\$	921,008.84

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
Billing up to September 30, 2022 and payments as of 10/12/2022

Current (09/30/2022 Billing due 10/30/2022)
31 days Arrears 08/31/2022 due 10/01/2022)
61 days and over Arrears (07/31/22 billing due 08/31/2022)

						_	AGING					
CC&B New Acct Numer	DEPARTMENT	CC&B BALANCE 08/31/2022	CANCEL/REBILL/ SPEC CHARGE 10/12/2022	BILLING 09/30/2022	PAYMENT UP TO 10/12/2022	CC&B BALANCE 10/12/2022	0-30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Total
	Line Agencies											
3404311949	Guam Environmental Protect	27,873.30	-	9,693.21	(8,960.89)	28,605.62	9,693.21	9,322.91	9,589.50	-	-	28,605.62
4554808900	Nieves Flores Library	29,480.29		16,249.07	(14,568.75)	31,160.61	16,249.07	14,911.54	-	-	-	31,160.61
6069461950	Dept of Youth Affairs (Federal)	1,332.56	-	895.40	-	2,227.96	895.40	679.66	652.90	-	-	2,227.96
6293410000	Office of the Governor	61,105.58	-	33,745.29	(30,447.46)	64,403.41	33,745.29	30,658.12	-	-	-	64,403.41
6841080463	Guam Behavioral Health & Wellness	17,049.37	-	6,609.50	(5,412.38)	18,246.49	6,609.50	5,797.74	5,805.25	34.00	-	18,246.49
7928924534	Guam Visitors Bureau Mental Health/Subst.	6,419.90	11,677.92	7,165.47	(6,419.90)	18,843.39	18,843.39	70.040.00	72,153.68	-	-	18,843.39 220,208.85
3227759982 7813165805	Pacific Energy Resource Center	209,407.62 1,460.16	-	77,105.37 817.07	(66,304.14) (1,460.16)	220,208.85 817.07	77,105.37 817.07	70,949.80	/2,153.68	-	-	220,208.85 817.07
2913461537	Dept. of Youth Affair* (Local)	39,944.02	-	22,005.15	(1,400.10)	61,949.17	22,005.15	20,819.26	19,124.76	-		61,949.17
1073430238	Dept. of Corrections	211,636.96	-	114,374.00		326,010.96	114,374.00	105,504.84	106,132.12	-	-	326,010.96
3558733700	Dept of Chamorro Affairs/Chamorro Village (NET M	28.32	-	14.16	(14.16)	28.32	14.16	14.16	-	-	-	28.32
1099514147	Dept of Chamorro Affairs/Repository	761.46	-	366.63	(472.35)	655.74	366.63	289.11	-	-	-	655.74
9541109130	General Services Agency	595.13	-	324.52	(1,923.03)	(1,003.38)	(1,003.38)	-	-	-	-	(1,003.38)
7663706771	Yona Senior Citizen Center	2,017.44	-	1,160.33	-	3,177.77	1,160.33	980.73	1,036.71	-	-	3,177.77
8564647941	DOA Supply Mgmt (NET METERED)	2,579.11	-	1,534.24	(1,251.21)	2,862.14	1,534.24	1,327.90	-	-	-	2,862.14
0070861777	Veteran Affairs	8,523.56	-	3,402.06	(2,690.77)	9,234.85	3,402.06	2,841.06	2,991.73	-	-	9,234.85
5247210000	Mayors Council	21,514.03	264.94	4,474.07		26,253.04	4,739.01	3,897.66	3,610.13	3,825.01	10,181.23	26,253.04
4129948191 4211873236	Dept of Chamorro Affairs/Chamorro Village Dept. of Administration	8,142.61 32,416.80	-	4,141.48 17,231.29	(4,284.03) (29,305.45)	8,000.06 20,342.64	4,141.48 17,231.29	3,858.58 3,111.35	-	-	-	8,000.06 20,342.64
1621790133	DOA-Data Processing	27,237.26	-	17,231.29	(13,608.93)	29,067.41	17,231.29	13,628.33	-	-		29,067.41
1595188609	Dept. of Agriculture	40.583.74	-	18,522.97	(13,008.93)	59,106.71	18,522.97	17,062.08	16,385.04	7,136.62	-	59,106.71
8300435373	Civil Defense (Military Affairs)	15,841.50	-	13,443.87	-	29,285.37	13,443.87	15,841.50	10,383.04	7,130.02		29,285.37
0453170939	Guam Fire Department	43,723,90	-	23.126.64		66.850.54	23,126,64	21,908.35	21.815.55	-	-	66,850,54
8555858369	Dept of Chamorro Affairs (Guam Museum)	112,673.62	-	41,283.82	(33,559.19)	120,398.25	41,283.82	37,984.82	41,129.61	-	-	120,398.25
1896187753	Dept. of PH&SS	172,178.41	-	55,141.94	(24,739.62)	202,580.73	55,141.94	53,294.01	53,029.40	41,115.38	-	202,580.73
0040515913	Dept. of Parks & Rec.	31,291.61	-	16,517.28	(15,001.03)	32,807.86	16,517.28	16,290.58	-	-	-	32,807.86
2535590089	DPW-FAC Adm Account	78,165.22	140.27	14,466.61	-	92,772.10	14,606.88	23,110.08	23,024.70	21,550.88	10,479.56	92,772.10
6504086567	DPW-FAC Adm Account (NET METERED)	44,533.11	-	16,187.87	-	60,720.98	16,187.87	15,075.45	15,664.18	13,793.48	-	60,720.98
7252821074	Dept. of Education	2,639,428.43	144.34	1,562,086.16	-	4,201,658.93	1,562,230.50	1,371,202.36	1,220,074.92	48,151.15	-	4,201,658.93
0266069082	Guam Police Department Sub-total	159,771.29	-	67,469.19	(119,334.99)	107,905.49	67,469.19	40,436.30	-	-		107,905.49
							0.455.000.04	4 000 200 00	4 640 000 40	100 505 00	20 660 80	
	Sub-total	4,047,716.31	12,227.47	2,164,993.74	(379,758.44)	5,845,179.08	2,175,893.31	1,900,798.28	1,612,220.18	135,606.52	20,660.79	5,845,179.08
		4,047,716.31	12,227.47	2,164,993.74	(379,758.44)	5,845,179.08	2,175,893.31	1,900,798.28	1,612,220.18	135,606.52	20,660.79	5,845,179.08
6393530237	Mayors	1,727.82	12,227.47	2,164,993.74 861.18	(379,758.44)	5,845,179.08 2,589.00	2,175,893.31 861.18	1,900,798.28	1,612,220.18 978.28	135,606.52	20,660.79	5,845,179.08 2,589.00
6393530237 4469579998			12,227.47		(379,758.44)					135,606.52	20,660.79	
	Mayors Hagatna Mayor	1,727.82	12,227.47	861.18		2,589.00	861.18	749.54 1,635.80 1,870.81	978.28		- - - -	2,589.00 5,307.77 5,880.39
4469579998 1880297633 0492244686	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor	1,727.82 3,264.02 3,759.47 3,769.61		861.18 2,043.75 2,120.92 1,945.69		2,589.00 5,307.77 5,880.39 5,715.30	861.18 2,043.75 2,120.92 1,945.69	749.54 1,635.80 1,870.81 1,747.57	978.28 1,628.22 1,888.66 2,021.94			2,589.00 5,307.77 5,880.39 5,715.30
4469579998 1880297633 0492244686 3293808984	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19		861.18 2,043.75 2,120.92 1,945.69 1,734.63		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82	861.18 2,043.75 2,120.92 1,945.69 1,734.63	749.54 1,635.80 1,870.81 1,747.57 1,675.12	978.28 1,628.22 1,888.66 2,021.94 1,892.07			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82
4469579998 1880297633 0492244686 3293808984 7202265287	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565	Mayors Hagatna Mayor Merizo Mayor Taiofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Umatac Mayor Vona Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66	0.10		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Vona Mayor Barrigada Mayors Office	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36	0.10	-	2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sangada Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23	0.10		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341	Mayors Hagatna Mayor Merizo Mayor Taiofoto Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Umatac Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24	-	2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36	0.10	-	2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sangada Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,7943.01 9,619.41 3,082.72 10,587.39	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37	-	2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86	0.10	-	2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor	1,727.82 3,26.402 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,245.6	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73	-	2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39	0.10	-	2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.3 13,965.07 4,632.09 16,018.63 18,509.29
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996	Mayors Hagatna Mayor Merizo Mayor Talofoto Mayor Talofoto Mayor Piti Mayor Umatac Mayor Yona Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Sinajana Mayor Agana Hts. Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,824.56 7,922.83 9,560.49 6,352.85	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50	-	2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.63 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89	749,54 1,635,80 1,870,81 1,747,57 1,675,12 1,104,46 3,755,35 4,678,05 1,601,49 5,348,53 5,969,17 3,660,69 4,734,58 3,178,61	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24	0.10	-	2,589.00 5,307.77 5,880.37 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3832327736 8041715847	Mayors Hagatna Mayor Merizo Mayor Taiofofo Mayor Taiofofo Mayor Piti Mayor Umatac Mayor Umatac Mayor Umatac Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Sinajana Mayor Santa Rita Mayor Mangilao Mayor Dededo Mayor Dededo Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,824.56 7,722.83 9,560.49 6,352.82	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.33 27,489.07
4469579998 1880297633 480224686 3293808984 7202265287 1837525565 763167341 8715052935 7037924246 843959204 8472200165 3832327736 3631627996 3641715847 6957205325	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Dededo Mayor Tamuning Mayor	1,727.82 3,26.402 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,284.56 7,922.83 9,560.49 6,352.85 15,105.23	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.65	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,885.39 4,262.14 4,825.91 3,174.24 7,476.70	- - 0.10 - - - - - - - - - - - - - - - - - - -		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45
4469579998 1880297633 0492244866 3293808984 7202265287 873575565 5763167341 8715052935 7037924246 8433959204 8472200165 3833237736 3631627996 8041715847 6957205325 6078244037	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Yona Mayor Yona Mayor Yona Mayor Sinajana Mayor Sinajana Mayor Agana Hits. Mayor Santa Rita Mayor Mangilao Mayor Dededo Mayor Imaning Mayor Inarajan Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,824.56 7,922.83 9,560.49 6,352.85 15,105.23 14,491.19 7,393.89	12,227.47	861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,653,45 12,088,03	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95	978.28 1,628.22 1,888.66 2,021.94 1,882.07 1,337.61 4,187.66 4,941.36 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24			2,589.00 5,307.77 5,880.37 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,858.03
4469579998 1880297633 0492244686 3293808984 7202265287 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 36041715847 6957205325 60572244037 7247791682	Mayors Hagatna Mayor Merizo Mayor Taiofoto Mayor Taiofoto Mayor Piti Mayor Piti Mayor Umatac Mayor Umatac Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Santa Rita Mayor Mangilao Mayor Santa Rita Mayor Mangilao Mayor Tamuning Mayor Tamuning Mayor Inarajan Mayor Inarajan Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,743.01 9,619.41 3,082.72 10,587.39 12,824.56 7,722.83 9,560.49 6,532.85 15,105.23 14,491.19 7,930.89 7,629.06		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.16		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,05 11,762,72	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,775.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,933.95 3,995.47 3,808.78	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,820.28			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,579.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.3 11,762.72
4469579998 1880297633 0492244866 3293808984 7202265287 873575565 5763167341 8715052935 7037924246 8433959204 8472200165 3833237736 3631627996 8041715847 6957205325 6078244037	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Mangilao Mayor Dededo Mayor Tamuning Mayor Inarajan Mayor Jagat Mayor Jagat Mayor Jordot/Chala Pago Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,2824.56 7,922.83 9,5604.99 15,105.23 14,491.19 7,930.89 7,029.08		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,135.66 1,586.08		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,35 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.66 4,157.14 4,133.66 1,720.56	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 3,995.47 3,808.78	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,920.28 909.78			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.77 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91
4469579998 1880297633 0492244686 3293808984 7202265287 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 36041715847 6957205325 60572244037 7247791682	Mayors Hagatna Mayor Merizo Mayor Taiofoto Mayor Taiofoto Mayor Piti Mayor Piti Mayor Umatac Mayor Umatac Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Santa Rita Mayor Mangilao Mayor Santa Rita Mayor Mangilao Mayor Tamuning Mayor Tamuning Mayor Inarajan Mayor Inarajan Mayor	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,743.01 9,619.41 3,082.72 10,587.39 12,824.56 7,722.83 9,560.49 6,532.85 15,105.23 14,491.19 7,930.89 7,629.06		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.16		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,05 11,762,72	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,775.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,933.95 3,995.47 3,808.78	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,820.28			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.42 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.30 11,762.72
4469579998 1880297633 0492244686 3293808984 7202265287 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 36041715847 6957205325 60572244037 7247791682	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Dededo Mayor Tamuning Mayor Inarajan Mayor Ordot/Chalan Pago Mayor Sub-total	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,2824.56 7,922.83 9,5604.99 15,105.23 14,491.19 7,930.89 7,029.08		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,135.66 1,586.08		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,35 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.66 4,157.14 4,133.66 1,720.56	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 3,995.47 3,808.78	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,920.28 909.78			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8433959204 8332327736 8041715847 9657205325 6078244037 7247791682 9351070242	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Mangilao Mayor Dededo Mayor Tamuning Mayor Inarajan Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jordo/Chalan Pago Mayor Sub-total	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,284.56 7,922.83 9,560.49 6,532.85 15,105.23 14,491.19 7,930.89 7,620.02 2,797.83		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,5684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,135.60 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.66 4,157.14 4,133.66 1,720.56 73,301.44	749,54 1,635,80 1,870,81 1,747,57 1,675,12 1,104,46 3,755,35 4,678,05 1,601,49 5,348,53 5,969,17 3,660,69 4,734,58 3,178,61 7,628,53 6,993,95 3,995,47 3,808,78 1,290,24	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,820.28 999.78	0.10 		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.77 4,652.09 16,018.63 18,509.29 12,572.55 14,513.83 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60
4469579998 1880297633 0492244686 3293808984 7202265287 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 36041715847 6957205325 60572244037 7247791682	Mayors Hagatna Mayor Merizo Mayor Talofoto Mayor Talofoto Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Sinajana Mayor Santa Rita Mayor Santa Rita Mayor Magilao Mayor Dededo Mayor Tamuning Mayor Jamayor Agat Mayor Ordot/Chalan Pago Mayor Ordot/Chalan Pago Mayor Sub-total DPW Accounts	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,2824.56 7,922.83 9,5604.99 15,105.23 14,491.19 7,930.89 7,029.08		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,135.66 1,586.08		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.66 4,157.14 4,133.66 1,720.56	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 3,995.47 3,808.78	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,920.28 909.78			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.77 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 8041715847 6957205325 6078244037 7247791682 9351070242	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Barrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Mangilao Mayor Dededo Mayor Tamuning Mayor Inarajan Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jamana Mayor Jordo/Chalan Pago Mayor Sub-total	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,824.56 7,922.83 9,560.49 6,352.85 15,105.23 14,491.19 7,393.89 7,629.06 2,797.83 134,377.64		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,695.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,720.56 73,301.44	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 1,290.24 65,426.74	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,820.28 909.78 68,352.99	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10		2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60
4469579998 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 803275736 8041715847 9057205325 607824037 9351070242	Mayors Hagatna Mayor Merizo Mayor Jalofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Agana Hts. Mayor Mangilao Mayor Mangilao Mayor Dededo Mayor Jamuning Mayor Inarajan Mayor Jordot/Chalan Pago Mayor Sub-total DPW Accounts DPW Signal Lights DPW Signal Lights	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,284.56 7,922.83 9,560.49 6,352.85 15,105.23 14,491.19 7,930.89 7,629.06 2,797.83 134,377.64		861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 4,5684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.63 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.66 4,157.14 4,133.66 1,720.56 73,301.44	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 3,195.47 3,808.78 1,290.24 65,426.74	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 1,481.23 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,830.28 909.78 68,352.99			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,662.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60
4469579998 1880297633 0492244886 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 8041715847 9957205325 6078244037 7247791682 9351070242	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Yona Mayor Yona Mayor Yona Mayor Sarrigada Mayors Office Mongmong/Toto/Maite Mayor Yigo Mayor Sinajana Mayor Agana Hts. Mayor Santa Rita Mayor Mangilao Mayor Dededo Mayor Iramuning Mayor Inarajan Mayor Agat Mayor Ordot/Chalan Pago Mayor Sub-total DPW-Signal Lights DPW-Village St. Lights	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,151.41 3,082.72 10,587.39 12,284.56 7,922.83 9,560.49 6,352.85 15,105.23 14,491.19 7,930.89 7,629.06 2,797.83 134,377.64		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 4,5684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,720.56 73,301.44	749,54 1,635,80 1,870,81 1,747,57 1,675,12 1,104,46 3,755,35 4,678,05 1,601,49 5,348,53 5,969,17 3,660,69 4,734,58 3,178,61 7,628,53 3,995,47 3,808,78 1,290,24 65,426,74	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 5,238.86 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,935.42 3,820.28 909.78 68,352.99			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60
4469579998 1880297633 0492244886 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 8041715847 9957205325 6078244037 7247791682 9351070242	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Talofofo Mayor Piti Mayor Umatac Mayor Umatac Mayor Pona Mayor Pona Mayor Yona Mayor Jong Mayor Sinajana Mayor Sinajana Mayor Sinajana Mayor Santa Rita Mayor Magilao Mayor Dededo Mayor Tamuning Mayor Dededo Mayor Tamuning Mayor Ordot/Chalan Pago Mayor Ordot/Chalan Pago Mayor Dew Sub-total DPW Accounts DPW-Signal Lights DPW-Firmary St. Lights DPW-Firmary St. Lights DPW-Sec/Coll St. Lights DPW-Sec/Coll St. Lights DPW-Sec/Coll St. Lights	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,242.56 7,722.83 9,560.49 6,352.85 15,105.23 14,491.19 7,930.89 7,629.06 2,797.83 134,377.64		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,720.56 73,301.44	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 1,290.24 65,426.74	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,830.28 909.78 68,352.99			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.21 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60
4469579998 1880297633 1880297633 0492244686 3293808984 7202265287 1837525565 5763167341 8715052935 7037924246 8433959204 8472200165 3832327736 3631627996 8041715847 6957205325 6078244037 7247791682 9351070242 0832698062 0930959866 0930959866 0930959866 0930959866 30454333600 3088040552	Mayors Hagatna Mayor Merizo Mayor Talofofo Mayor Asan/Maina/Adelup Mayor Piti Mayor Umatac Mayor Yona Mayor Sinajana Mayor Agana Hts. Mayor Santa Rita Mayor Mangilao Mayor Dededo Mayor Inarajan Mayor Inarajan Mayor Agat Mayor Ordo/Chalan Pago Mayor Sub-total DPW-Signal Lights DPW-Signal Lights DPW-Finary St. Lights DPW-Sec/Coll St. Lights DPW-Sec/Coll St. Lights Sub-total	1,727.82 3,264.02 3,759.47 3,769.61 3,567.19 2,442.07 7,943.01 9,619.41 3,082.72 10,587.39 12,242.56 7,722.83 9,560.49 6,352.85 15,105.23 14,491.19 7,930.89 7,629.06 2,797.83 134,377.64		861.18 2,043.75 2,120.92 1,945.69 1,734.63 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,586.08 73,166.96		2,589,00 5,307,77 5,880,39 5,715,30 5,301,82 3,679,45 11,233,33 13,965,07 4,632,09 16,018,63 18,509,29 12,572,55 14,513,38 10,049,35 27,489,07 21,853,45 12,088,03 11,762,72 4,379,91 207,540,60	861.18 2,043.75 2,120.92 1,945.69 1,734.63 1,237.38 3,290.32 4,345.66 1,549.37 5,431.24 5,684.73 4,649.72 4,952.89 3,696.50 12,383.84 7,362.26 4,157.14 4,133.66 1,720.56 73,301.44	749.54 1,635.80 1,870.81 1,747.57 1,675.12 1,104.46 3,755.35 4,678.05 1,601.49 5,348.53 5,969.17 3,660.69 4,734.58 3,178.61 7,628.53 6,993.95 1,290.24 65,426.74	978.28 1,628.22 1,888.66 2,021.94 1,892.07 1,337.61 4,187.66 4,941.36 6,855.39 4,262.14 4,825.91 3,174.24 7,476.70 7,497.24 3,830.28 909.78 68,352.99			2,589.00 5,307.77 5,880.39 5,715.30 5,301.82 3,679.45 11,233.33 13,965.07 4,632.09 16,018.63 18,509.29 12,572.55 14,513.38 10,049.35 27,489.07 21,853.45 12,088.03 11,762.72 4,379.91 207,540.60

GOVERNMENT ACCOUNTS RECEIVABLE
Billing up to September 30, 2022 and payments as of 10/12/2022

31 days Arrears 08/31/2022 due 10/01/2022) 61 days and over Arrears (07/31/22 billing due 08/31/2022)

								AGING					
CC&B New Acct Numer	DEPARTMENT	CC&B BALANCE 08/31/2022	CANCEL/REBILL/ SPEC CHARGE 10/12/2022	BILLING 09/30/2022	PAYMENT UP TO 10/12/2022	CC&B BALANCE 10/12/2022		0-30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Total
							_						
	Retirement Fund	7,527.37	-	8,156.38	(7,527.37)	8,156.38		8,156.38	-	-	-	-	8,156.38
4075914809	GPA	-	(135,422.34)	135,422.34	-	-		-	-	-	-	-	-
5357510000	University of Guam (NET METERED)	101,641.43		110,530.16	(101,641.43)	110,530.16		110,530.16	-	-	-	-	110,530.16
6518220019	Guam Community College	53,719.52	-	62,826.15	(53,719.52)	62,826.15		62,826.15	-	-	-	-	62,826.15
7736362694	Guam Airport Authority	579,057.47	(14,566.70)	761,397.04	(579,057.47)	746,830.34		746,830.34	-	-	-	-	746,830.34
8302337726	Guam Memorial Hospital	129,872.90	-	49,294.53	(39,043.54)	140,123.89		49,294.53	44,900.81	45,928.55	-	-	140,123.89
8426836906	Guam Memorial Hospital (NET METERED)	669,592.77		260,868.85	(199,190.58)	731,271.04		260,868.85	239,473.05	230,929.14		-	731,271.04
9157510000	Guam Community College (NET METERED)	55,508.69	-	63,754.96	(55,508.69)	63,754.96		63,754.96	-	-	-	-	63,754.96
0563872892	Guam Housing Corp Rental Division	1,550.14	25.00	1,606.40	(1,550.14)	1,631.40		1,631.40	-	-	-	-	1,631.40
9173210000	Guam Solid Waste Authority	10,544.84	-	12,602.78	(10,544.84)	12,602.78		12,602.78	-	-	-	-	12,602.78
5434075703	University of Guam	242,981.21	-	272,465.35	(242,981.21)	272,465.35		272,465.35	-	-	-	-	272,465.35
1699407298	GHURA	53,830.77	(4,218.13)	37,330.39	(53,830.77)	33,112.26		33,112.26	-	-	-	-	33,112.26
4474308144	Port Authority of Guam	120,377.19	(1,244.90)	150,458.04	(120,377.19)	149,213.14		149,213.14	-	-	-	-	149,213.14
	Sub-total Sub-total	5,694,416.04	(155,321.89)	4,143,533.43	(5,133,184.49)	4,549,443.09		3,988,211.54	284,373.86	276,857.69		-	4,549,443.09
	Others												
2200452042		50.350.55		50 405 57	(22.075.40)	05 070 75		50 405 57	27 402 40				05.070.75
	Dept. of Military Affairs (NET METERED)	50,368.66		68,485.57	(22,875.48)	95,978.75	I -	68,485.57	27,493.18	-	-	-	95,978.75
	U.S. Post Office	57,416.94	-	66,336.17	(57,416.94)	66,336.17	-	66,336.17	-			-	66,336.17
6000770566	KGTF	21,916.93	-	5,821.11	-	27,738.04	-	5,821.11	5,162.07	6,923.58	9,831.28	-	27,738.04
6602566745	Tamuning Post Office	8,058.92		8,648.27	(8,058.92)	8,648.27	I L	8,648.27		-	-	-	8,648.27
	Guam Legislature	443.32		462.14	(443.32)	462.14	I L	462.14		-	-	-	462.14
8108458168	Guam Post Office (Agana)	8,240.99	-	9,097.51	(8,240.99)	9,097.51	L	9,097.51	-	-	-	-	9,097.51
	Superior Court of Guam	76,028.22	-	84,014.03	(76,028.22)	84,014.03	L	84,014.03	-	-	-	-	84,014.03
8607446612	Dept. of Military Affairs	211,246.21	-	82,310.25	(52,862.43)	240,694.03		82,310.25	108,571.15	49,812.63	-	-	240,694.03
8972267005	Customs & Quarantine Agency	4,009.98	-	905.41	-	4,915.39		905.41	847.64	850.65	796.23	1,515.46	4,915.39
7871864047	CUSTOMS & QUARANTINE AGENCY	-	50.00	161.87	-	211.87		211.87	-	-	-	-	211.87
9503154359	Guam Legislature (NET METERED)	11,424.11	-	12,251.25	(11,424.11)	12,251.25		12,251.25	-	-	-	-	12,251.25
<u> </u>	Sub-total Sub-total	449,154.28	50.00	338,493.58	(237,350.41)	550,347.45	_	338,543.58	142,074.04	57,586.86	10,627.51	1,515.46	550,347.45
Grand Total		12.205.357.50	(41.433.25)	7.241.051.64	(5.750.431.82)	13.654.544.07		7.166.246.08	2.874.386.04	2.452.658.39	584.116.64	577.136.92	13.654.544.07



GUAM POWER AUTHORITY ATURIDÅT ILEKTRESEDÅT GUAHAN P.O. BOX 2977, HÅGATÑA, GUAM 96932-2977

Issues for Decision

Resolution No.: FY2023-01

Relative to: Relative to the Approval of Engineering, Procurement and Construction

Management Contract

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

To initially provide consulting and technical support as Owner's Engineer for the execution of the ECA for the Ukudu Power Plant to include contract management, design document reviews, construction monitoring, support for the new Ukudu Power Plant

GPA requires more time to refine scope for LNG fuel supply and will seek approval for this task at a later time.

Where is the location?

The Ukudu Power Plant is located in Ukudu, Harmon. LNG storage and regasification will be located within the Apra Harbor.

How much will it cost?

Consulting and technical support for the Ukudu Power Plant construction, commissioning and post commissioning support is estimated at \$ 6,241,727 from December 2022 to February 2025

When will it be completed?

The new power plant is targeted for completion by April 2024 but may likely be by October 2024.

A budget for an LNG study is to be requested in 2023 and is not included in this budget request. An LNG infrastructure, if approved by CCU and PUC, could be completed approximately 2027.

What is its funding source?

Revenue Funds

The RFP/BID responses:

This was the result of Re-solicitation GPA RFP-21-010.



CONSOLIDATED COMMISSION ON UTILITIES

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

RESOLUTION NO. FY 2023-01

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RELATIVE TO THE APPROVAL OF ENGINEERING, PROCUREMENT AND **CONSTRUCTION CONTRACT**

WHEREAS, CCU Resolution 21-14, adopted in May 2021, authorized GPA to petition the Public Utilities Commission (PUC) for approval of procurement documents to solicit an Engineering, Procurement and Construction Management (EPCM) contract to support the construction and commissioning of the Ukudu Power Plant and to support development and procurement of liquefied natural gas infrastructure to supply natural gas to the new power plant; and

WHEREAS, the new contract would replace the existing EPCM contract with Stanley Consultants, Inc., which has reached its contract term; and

WHEREAS, PUC Docket 21-13 dated July 29, 2021 approved GPA's petition in September 2021 GPA announced RFP-21-010 for a new EPCM contract, however this solicitation was cancelled in November 2021 due to lack of open competition. The RFP was reissued in March 2022;

WHEREAS, Stanley Consultants, Inc. has been selected as the most qualified proponent;

WHEREAS, GPA scope for the EPCM is provided in Attachment 1; and

WHEREAS, Stanley Consultants has proposed \$6,241,727 through the construction and commissioning of the Ukudu Power Plant by October 2024 plus an additional 4 months of post commissioning support on a time and material basis with projected annual budgets as shown below:

FY 2023	FY 2024	FY 2025	Total
(12/1/22 – 9/30/23)	(10/1/23 – 9/30/24)	(10/1/24 - 2/28/25)	
\$ 2,198,121	\$ 2,848,030	\$ 1,095,576	\$ 6,241,727

; and

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WHEREAS, GPA is deferring the LNG task to allow more time to refine and negotiate scope; NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following: 1. The CCU authorizes the GPA General Manager to petition the PUC for approval of the EPCM contract to Stanley Consultants, Inc. for the initial task of construction and commissioning support of the Ukudu Power Plant for \$ 6,241,727 based on estimated hours and labor support from December 2022 through February 2025. RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution. **DULY AND REGULARLY ADOPTED**, this day of 2022. Certified by: Attested by: **JOSEPH T. DUENAS** PEDRO ROY MARTINEZ Chairperson Secretary I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows: The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows: **AYES:** NAYS:

2



1	CCU Guam	ISOLIDATED COMMISSION ON UTILITIES Power Authority Guam Waterworks Authority Box 2977 Hagatna, Guam 96932 (671) 648-3002 guamccu.org
2	ABSTENTIONS:	
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4	ABSENT:	
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EPCM

Scope of Work for Cost Proposal

Initial scope of work will be for the following. Contractor shall provide fiscal year budgets based on projected hours and proposed hourly wages for the following tasks.

- 1. New Generation Contract & Owner's Engineer Support
 - a. New Generation Contract Execution As the Owner's Engineer, GPA requires on-island support. EPCM shall have an on-island presence to witness construction progress and lead/attend meetings in person as required. Contractor representative should have contracting, construction and commissioning experience for similar projects.

Deliverable: Meeting attendance, monthly reports

- b. Owner's Engineer for Construction Phase
 - Drawing / Document Review Provide technical review of power plant and pipeline documents including but not limited to construction drawings, equipment and technical specifications, design criteria, and construction plans.

Deliverable: Response/comments to drawing review requests. This can be based on expected drawing reviews from Master Document listing. Note that this listing is not final nor only reference for document reviews.

- ii. Construction Monitoring -
 - Ukudu Site Inspections As the Ukudu site will be owned and operated by GUP/KEPCO, GPA does not expect the EPCM to be overseeing or managing the power plant, however as GPA's Owner's Engineer regular site inspections to confirm project progress and fulfillment of contract obligations, assess areas of concern and/or respond to any incidents are required.

Deliverable: Update on weekly/regular meetings, monthly report, incident reports.

 Pipeline Construction Monitoring Support – As the pipeline will be turned over to GPA upon the Ukudu Power Plant commissioning, construction oversight, including installation inspection and witnessing of testing. Due to the length of this pipeline, its extended schedule, expanded work areas as well as Navy requirements for onsite representation near their fuel lines, GPA will require assistance from EPCM for initially 80-120 man-hours per month (4-6 hours per day)

Deliverable: Update on weekly/regular meetings, monthly report, incident reports.

 Transmission Construction Support – At this time, GPA Engineering will be leading the construction oversight for the transmission interconnection which will be turned over to GPA upon the Ukudu Power Plant Commissioning. However, GPA may request for technical assistance or additional support if required.

Deliverable: None at this time.

- c. Project Management
 - i. Meetings Contractor shall organize, lead/attend, and document meetings for the power plant project. The following are a list of current meetings but other meetings maybe required for internal discussions or address other matters as they arise.
 - 1. Weekly Update Meetings
 - 2. Weekly Construction Meetings
 - 3. Monthly Progress Meeting (ECA requirement)
 - 4. Other meetings as required this includes other agency meetings on the power plant and pipeline project requiring GPA representation (i.e. GEPA, DPW, GHPO)

Deliverable: Meeting minutes, Summary of issues under review, documentation of recommendations made.

ii. Project Schedule Review – Review of project progress and project schedule to ensure project is moving as scheduled and identify/anticipate concerns.

Deliverable: Schedule review comments

iii. Monthly Reports – Review of GUP monthly reports as required by ECA for completeness and provide edits/updates as necessary.

Deliverable: Monthly Report review comments

iv. Invoicing & Budget Management – Monitor and manage EPCM costs and budget.

Deliverable: Monthly Invoicing

- d. Post-Construction and Commissioning Support
 - i. Develop / Review performance evaluation procedure
 - ii. Follow up on any punch list or warranty items/issues as required
 - iii. Evaluate/update any SOPs
- e. Regulatory and Stakeholder Outreach Support

2. LNG Pre-Development

- a. Business Model Development
- b. Industry Outreach
- c. Preliminary Conceptual Site Selections and LNG Receiving Terminal, LNG Storage, and Regasification Facility Functional Designs
- d. Environmental, Cultural and Construction Permits Survey
- e. Project Execution Plan and Work Breakdown Structure Development
- f. Regulatory Support for PUC
- g. Regulatory and Stakeholder Outreach Support

LNG Development Scope must be guided by the PUC Reference: Docket 13-02 (dated 7/30/13) and LUMMUS Report on 2013 IRP (dated 7/23/13).



Issues for Decision

Resolution No. FY2023-02:

Relative to Authorizing the Management of Guam Power Authority to Award Property Insurance

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

Guam Power Authority's Bond Indenture agreement requires GPA to "secure and maintain property insurance on all facilities constituting the system against risks of loss or damage to the extent that such insurance is obtainable at reasonable cost." The indenture further requires GPA to carry insurance "of a scope and nature as that usually carried in the industry."

GPA's current Property Insurance policy was awarded in 2018 with a term of a three (3) year period with two (2) options to renew for an additional one (1) year period. GPA's current Property Insurance policy's first one-year option to renew is set to expire on November 1, 2022, and GPA would like to exercise the second one-year option to renew.

Where is the location?

The coverage will be for all GPA assets.

How much will it cost?

The annual premium will be billed at cost of \$7.1 million (\$5.8 million + 22%) which reflects the challenging insurance market conditions.

When will it be completed?

The current policy will be in place until November 1, 2023.

What is its funding source?

Revenue funded



practical; and

CONSOLIDATED COMMISSION ON UTILITIES

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

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RESOLUTION NO.: FY2023-02

RELATIVE TO AUTHORIZATION OF THE GUAM POWER AUTHORITY TO

AWARD PROPERTY INSURANCE

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

WHEREAS, the Guam Power Authority's Bond Indenture agreement requires GPA to "secure and maintain property insurance on all facilities constituting the system against risks of

loss or damage to the extent that such insurance is obtainable at reasonable cost"; and

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

WHEREAS, GPA's current Property Insurance policy was awarded in 2018 with a term of a three (3) year period with two (2) options to renew for an additional one (1) year period; and

WHEREAS, GPA's current Property Insurance policy's first one-year option to renew is set to expire on November 1, 2022, and GPA would like to exercise the second one-year option to renew; and

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

	WWW.DDDAG d t d d d d d d d d d d d d d d d d d
1	WHEREAS, the insurance broking team has configured, with the goal in mind of
2	improving, to the greatest extent possible, the terms and conditions of GPA's property insurance
3	policy for the year; and
4	
5	WHEREAS, that GPA is now able to confirm agreement for this year, and accordingly
6	will commit to keeping the current policy in place until November 1, 2023, the underwriters are
7	prepared to offer the following:
8	
9	1. The annual premium will be billed at cost of \$7.1 million (\$5.8 million + 22%)
10	which reflects the challenging insurance market conditions.
11	
12	WHEREAS, GPA now brings these matters before the Consolidated Commission on
13	Utilities.
14	
15	NOW, THEREFORE BE IT RESOLVED, by the Consolidated Commission on
16	Utilities, as the governing body of the Guam Power Authority, subject to the approval of the Guam
17	Public Utilities Commission, as follows:
18	
19	1. The GPA General Manager is authorized to accept the terms of the annual renewal
20	premium offered by the insurance underwriters at a cost of \$7,062,144 (\$5,788,643 +
21	22%) for the policy period covered between November 2, 2022 and November 1, 2023.
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24	RESOLVED, that the Chairman certifies and the Board Secretary attests to the adoption of
25	this Resolution.
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2	DULY AND REGULARLY AD	OPTED AND APPROVED THIS 25TH DAY OF
3	OCTOBER, 2022.	
4		
5	Certified by:	Attested by:
6		
7		
8	JOSEPH T. DUENAS	PEDRO ROY MARTINEZ
9	Chairperson	Secretary
10	Consolidated Commission on Utilities	Consolidated Commission on Utilities
11		
12	I, Pedro Roy Martinez, B	soard Secretary of the Consolidated Commission on
13	Utilities (CCU), as evidenced by my	signature above, do hereby certify as follows:
14		
15	The foregoing is a full, true	and correct copy of the resolution duly adopted at a
16	regular meeting by the members of the	ne Guam CCU, duly and legally held at a place properly
17	noticed and advertised at which mee	ting a quorum was present and the members who were
18	present voted as follows:	
19		
20	Ayes:	_
21	Nays:	_
22	Absent:	_
23	Abstain:	_
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Management Report GPWA CCU Board Meeting October 25, 2022



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Workforce Availability Update

GWA Workforce availability as of October 14, 2022

Healthy	356	96.7%
Sick, not COVID-19 related	9	2.4%
Military Leave	2	0.5%
LTD	1	0.3%
	368	100%

	Total	
Healthy/Reporting for duty at worksite	323	87.8%
Healthy/Reporting for duty - Part Teleworking and Part Reporting		
for duty at worksite	14	3.8%
Healthy/Reporting for duty - Teleworking	5	1.4%
Healthy on annual leave	14	3.8%
Employee sick - symptoms unrelated to COVID-19	9	2.4%
Military Leave	2	0.5%
LTD/Workers Comp	1	0.3%
	368	100.00%

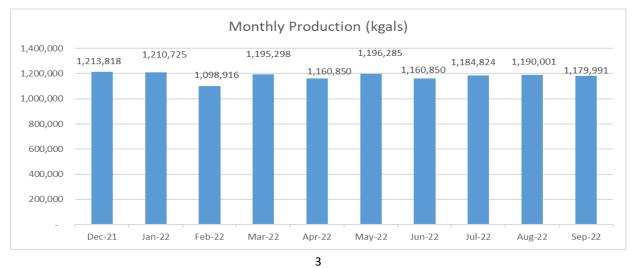
GWA Workforce Vaccine Status as of October 14, 2022

Fully Vaccinated	346	94%
Did Not Receive Shot	22	6%
	368	100%

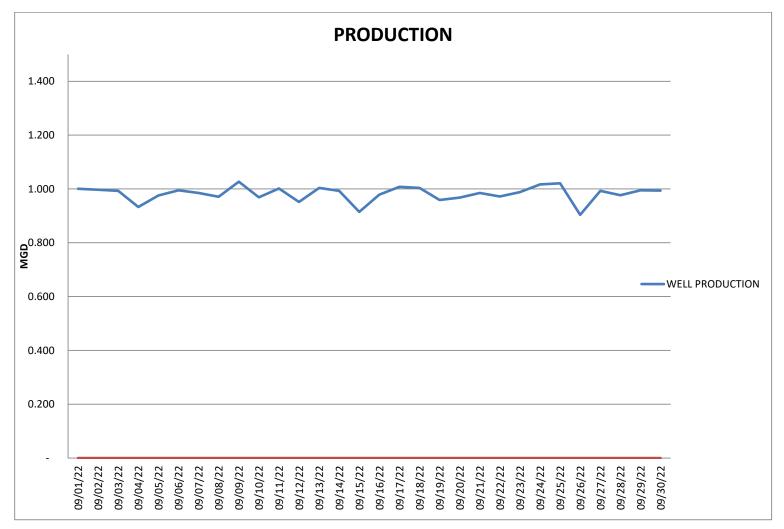
Operations Update

Production (September 2022)

Monthly Productio	n Summary - September	2022	DW Status,	Sept. 2022	
Deep Wells	<u> </u>	35.9 MGD	Active	95	
Active wells = Avg days in operation = Total Production =	95 of 120 30 days 1,076,505 Kgals		Grounded Motors	14	A26-D01- D03-D06- D10-D14-F02- F10-F13- G501-M06-
Springs Avg days in operation =	30 days	0.25 MGD			M12-Y16- Y19
Total Production =	7,396 Kgals		_		A02-A07- A28-A29-
Ugum Surface Water Plant Avg days in operation =	30 days	2.2 MGD	Out of Commission	9	D05-D13- M14-MJ01- MJ05
Total Production = Tumon Maui Well	66,613 Kgals	0.98 MGD	Secured -	2	A23-A25
Avg days in operation = Total Production =	30 days 29,477 Kgals		PFO TOTAL	120	
	1,179,991 Kgals	39.3 MGD			



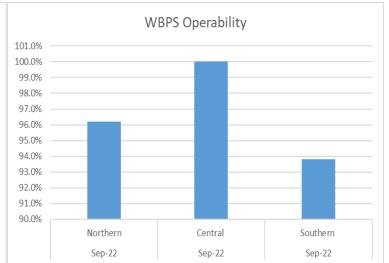
Tumon Maui Well Production (September 2022)



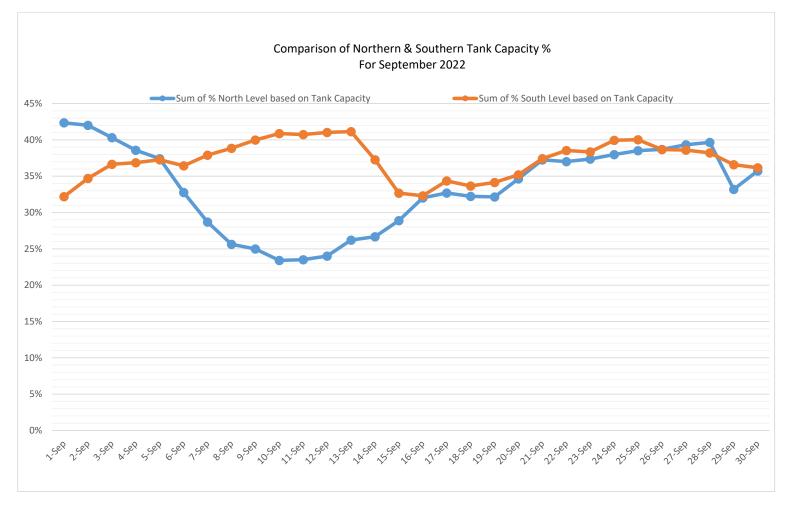
Distribution (September 2022)

Monthly Distribution Summary - September 2022								
Water B	Water Booster Pump Stations							
	District No. of Total Pumps % Stations Pumps Operating Operational							
	Northern	13	27	26	96.3%			
	Central	7	15	15	100.0%			
	Southern	7	16	15	93.8%			
		27	58	56	96.6%			



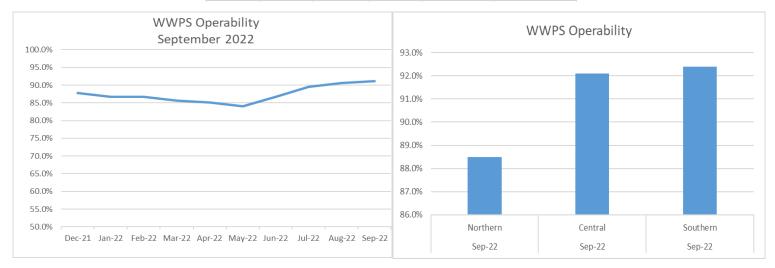


Distribution – Tank Levels (September 2022)

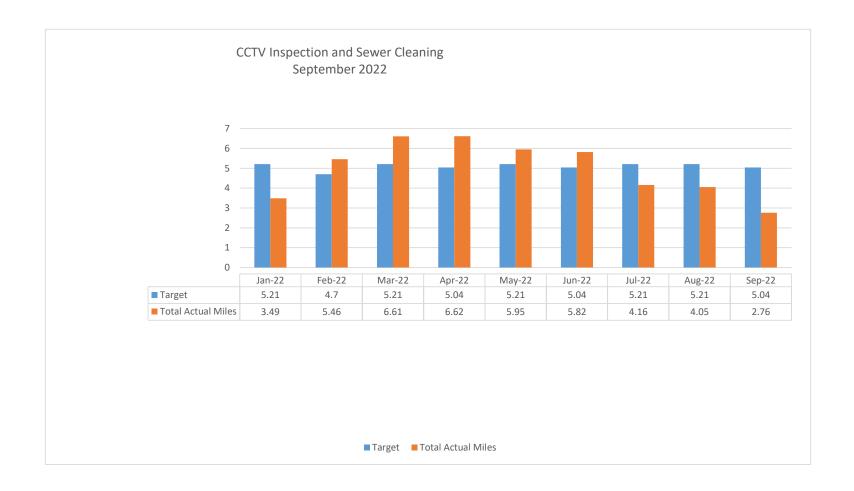


Wastewater Collections (September 2022)

	Monthly Collections Summary - September 2022								
Wastewa	Wastewater Pump Stations								
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational				
	Northern	22	52	46	88.5%				
	Central	29	63	58	92.1%				
	Southern	31	66	61	92.4%				
		82	181	165	91.2%				

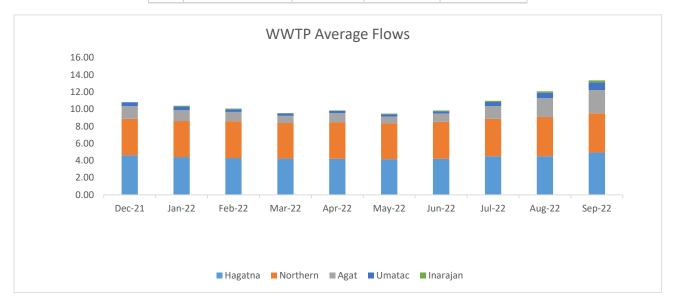


Wastewater Collections - CCTV (September 2022)



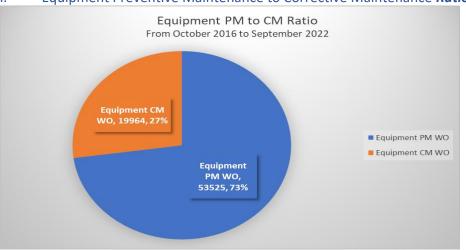
Wastewater Treatment (September 2022)

N	Monthly Wastewater Treatment Summary - September 2022									
WW T	WW Treatment Plants - Flows									
	Facility	Avg. Daily Flows	Sludge (lbs)	Sluc	lge Disp. (\$)					
	Hagatna	4.95	132,260	\$	11,903					
	Northern	4.56	93,680	\$	8,431					
	Agat	2.72	60,180	\$	5,416					
	Umatac	0.89								
	Inarajan	0.23								
		13.35	286,120	\$	25,750					



Asset Management (through September 2022)

. Equipment Preventive Maintenance to Corrective Maintenance *Ratio*

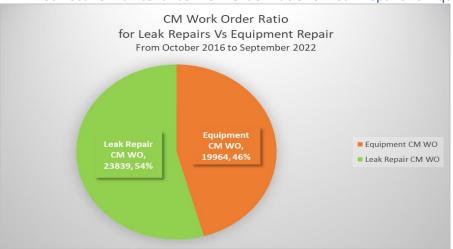


II. Equipment Preventive Maintenance to Corrective Maintenance Work Order Completion



Asset Management (through September 2022)

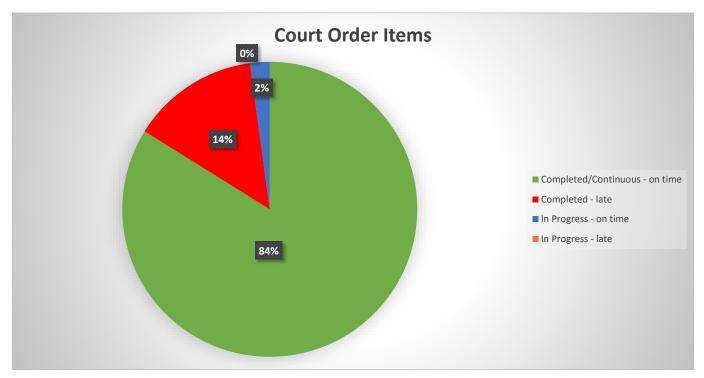
III. Corrective Maintenance Work Order *Ratio* for Leak Repairs vs. Equipment Repair



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



Court Order Summary (September 2022 – no changes)



Court Order Summary

	Court Order Items	%	Performance % Completed	Performance (on-time or
Completed/Continuous - on				completed)
time	78	84%		
Completed - late	13	14%		
In Progress - on time	2	2%		
In Progress - late	0	0%	97.8%	100.0%
Totals	93	100%	97.8%	

Court Order – Status Information (September 2022)

No CO delays due to approval of CO extension.

- o Final Date to complete CO 29(b) is June 30, 2023.
- Overflow or Bypass events reported to USEPA (through October 3, 2022):
 - o Sept. 12, 2022, SSO#688, Mamajanao Pump Station, Route 1 Pump Station Failure
 - o Sept. 13, 2022, SSO#689, Mamajanao Pump Station, Route 1 Pump Station Failure
 - o Sept. 14, 2022, SSO#690, Dero Pump Station, Chalan Pago-Ordot Pump Station Failure
 - o Sept. 14, 2022, SSO#691, Serenu Avenue, Tamuning, Hydraulic Capacity Heavy Rain
 - Sept. 14, 2022, SSO#692, Serenu Avenue, Tamuning, Hydraulic Capacity Heavy Rain (another manhole overflowed on same street)
 - o Sept. 22, 2022, SSO#696, Dero Pump Station, Chalan Pago-Ordot Pump Station Failure
 - o Sept. 23, 2022, SSO#697, Mamajanao Pump Station, Route 1 Pump Station Failure—Debris
 - o Sept. 23, 2022, SSO#698, Binado Street, Dededo FOG
 - o Sept. 29, 2022, SSO#699, Dero Pump Station, Chalan Pago-Ordot Rags
 - o Sept. 29, 2022, SSO#700, Lower East Sunset, Tiyan Debris
 - o Oct. 02, 2022, SSO#701, Sara Street, Mongmong-Toto-Maite FOG
 - o Oct. 03, 2022, SSO#702, Chalan Cuscaho, Tamuning FOG

Land Acquisition Summary (through September 2022)

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. AG pending court filing 06/30/2021. Follow up status sent to DLM on 09/02/2021, 10/06/2021, 11/03/2021, 01/27/2022, 03/04/2022, 05/12/2022, 07/07/2022 and 09/12/2022. DLM response 09/26/2022 still pending with DLM legal counsel.		
	Piti	Private	Received final comments from DoAg. Waiting on the archaeological report before we can submit 299 form. Waiting for permission from NPS to access the lot and perforn the Archeological survey.		
Deep Wells Deep Wells Dept. of Agriculture / Comments on Augus information sent to a comment of the comment o		Agriculture / Manhita	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. DCA submitted parceling map to DLM for review and comments on August 18, 2021, waiting for their review comments. ROE Agreement information sent to GWA legal counsel for further review and processing 01/28/2022; Follow up status sent to DCA 03/04/2022 and 07/08/2022.		
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inalahan 11/07/19. Letter of Decision received by CLTC 06/09/2021. CLTC has responded for in-kind service letter 10/08/2021. 1st Appraisal Report submitted to GWA on 05/11/2022. 2nd appraisal submittal to GWA 09/20/2022. Appraisal report sent to GM/legal counsel for review, approval and response 09/22/2022.		

(Continued on next page)

Land Acquisition Summary (through September 2022 – continuation)

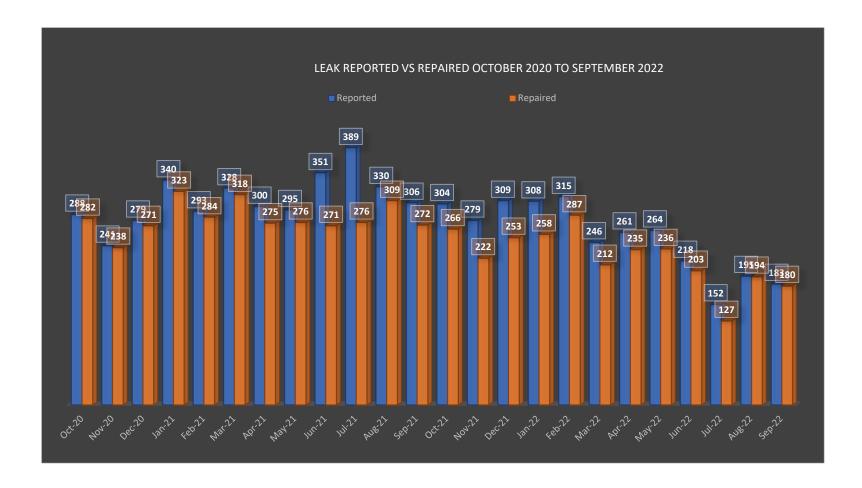
GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	In order for NPS to issue a land ROW agreement with GWA, NPS has to complete NEPA first. GWA has HDR under contract to perform this work and an Environmental Assessment (EA) will be developed. The permit for the biological survey was submitted on 6/12/2020 and was signed by NPS on 1/22/2021. Further coordination between NPS and SHPO is pending to determine necessary approach for an archaeological survey. New Chief of Resources for War in the Pacific National Historical Park, Timothy Clark, hired. Replacing Tahzay Jones, who was previously working with us. HDR working with Tim Clark on coordinating things with NPS. Biological Survey: Fieldwork completed, 2/10/2021. Based on a preliminary finding by HDR's biologist they have found snails close to the site, and within NPS proposed ROW, and outside the proposed ROW. Draft report submitted to NPS, 4/1/2021. Comments received from NPS, 6/4/2021. Final Report submitted to NPS, 6/4/2021. NPS submitted Biological Survey to USFWS, 9/28/2021. met with NPS, USFWS, DOAG on 10/22/2021 to discuss survey and possible Biological Assessment (BA). HDR working with NPS to develop formal BA pending template of BA from USFWS; HDR completed draft Public Scoping Document for NPS review for NEPA process, 11/05/2021. Still waiting on NPS for edits/comments on Scoping documents/BA for NEPA. DOAG Environmental Consultation Letter: HDR sent Request letter sent to DOAG (Dep of Ag) on 3/15/2021. GWA followed up with DOAG on 6/25/2021. DOAG responded on 7/1/2021, but did not reach GWA Eng. until 8/4/2021; HDR review response letter and will respond soon. Pending response from HDR if they had previously sent over their Biological Survey SHPO Letter: Pending archaeological survey requirements from SHPO. SHPO Letter sent to NPS for review, 5/29/2021; rec'd. first comments on 7/1/2021. Submitted revised letter on 7/12/2021; rec'd. comments on 8/9/2021. Resubmitted letter to NPS on 9/15/2021.

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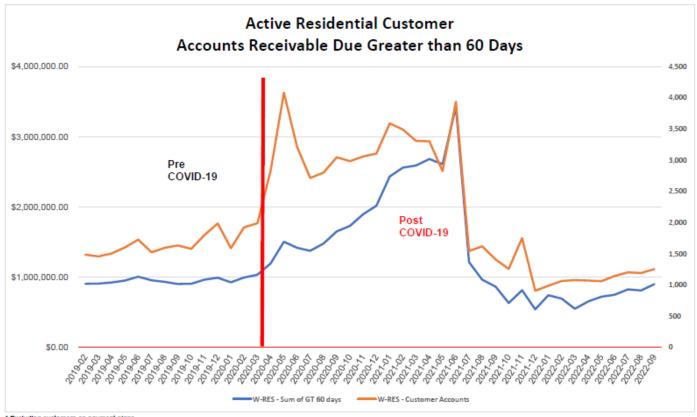
Land Acquisition Summary (through September 2022 – continuation)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Asan Springs	Asan	Federal	Asan Springs – Public Meeting: Public engagement meeting was held at the Asan Mayor's office on 4/19/2022. The purpose of the public meeting was to inform the public about the rehabilitation of Asan Spring project and its unique property condition being on NPS and GWA land. As of 6/24/2022, NPS has not received any public comments. Biological Assessment Report:
			 A draft report reviewed by USFW was given to HDR and was issued to GWA and NPS for further input on 5/24/2022. The Final Report is pending comments from NPS; HDR to make revisions based on NPS and GWA comments to the report before sending it to USFW for review and acceptance.
			 Environmental Assessment: HDR is in the beginning process of getting a draft to NPS for review. The EA will include the NEPA process and follow all necessary requirements for compliance to obtain a ROW agreement with NPS.

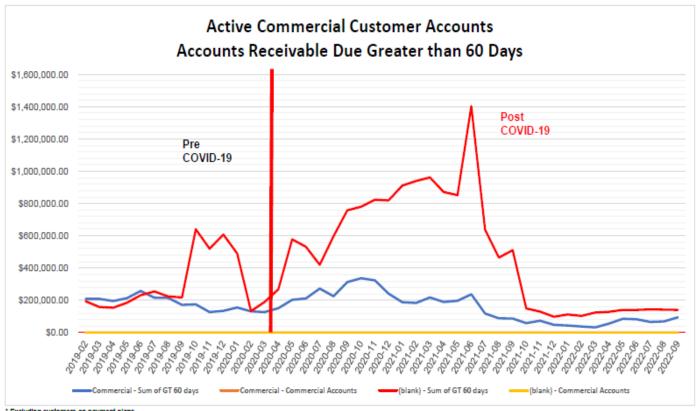
Comparison of Leaks Reported vs. Leaks Repaired (through September 2022)



Accounts Receivables – Active Residential Customers (through September 2022)



Accounts Receivables – Active Commercial Customers (through September 2022)



^{*} Excluding customers on payment plans



GWA Financial Overview

SEPTEMBER 2022



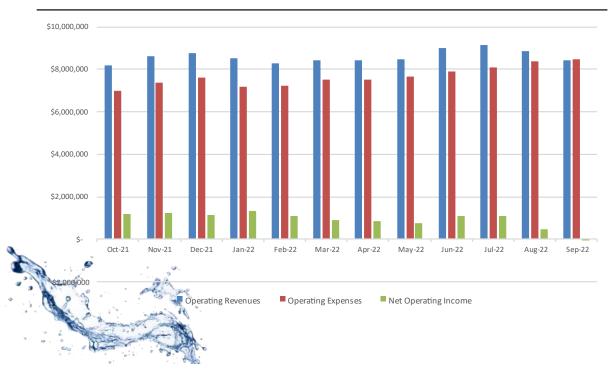


Key Financial Indicators

Indicator	Target	Jul-22	Aug-22	Sep-22
DSC YTD				
- Per Section 6.12 of Indenture	1.25	1.29	1.30	1.30
- Per PUC / CCU	1.40	1.29	1.30	1.30
Days - Cash on Hand	120 days	275 days	279 days	264 days
Collection Ratio				
- Month to Date	99%	82%	111%	95%
· Year to Date	99%	97%	98%	98%
Days Billed	30 days	32 days	30 days	31 days
Account Receivable Days	30 days	41days	39 days	39 days
Account Payable Days	45 days	32 days	36 days	31 days
Employee Count	400 FTE	360 FTE	359 FTE	366 FTE
Water Demand				
· Month to Date	478,754	461,729	437,959	436,253
· Year to Date	5,745,050	4,403,952	4,841,911	5,278,164
Wastewater Flow				
· Month to Date	356,472	328,482	317,636	316,863
· Year to Date	4,277,668	3,194,038	3,511,674	3,828,538
Water Customers	42,839	43,420	43,407	43,446
Wastewater Customers	29,805	30,745	30,597	30,651

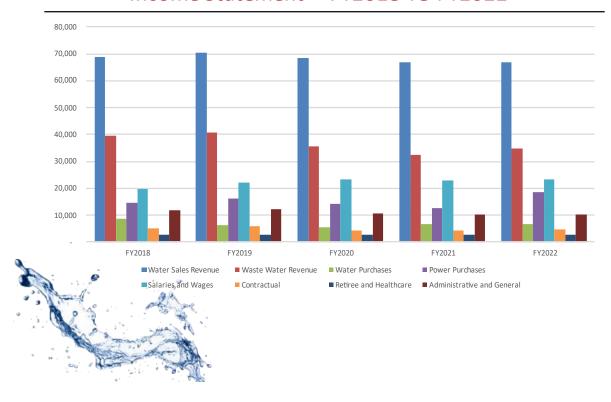


Income Statement



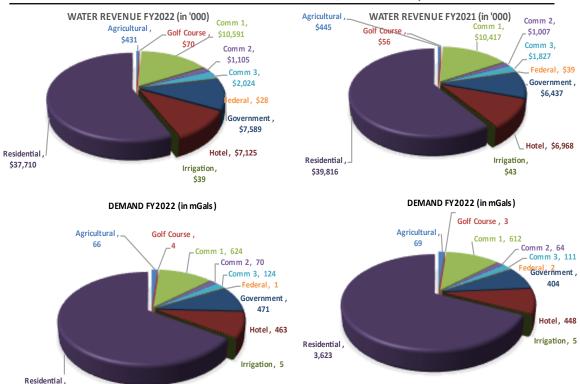


Income Statement – FY2018 TO FY2022





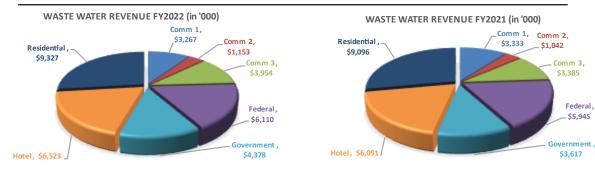
SEPTEMBER 2022 YTD Water Revenue/Demand by Rate Class

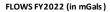


3,451



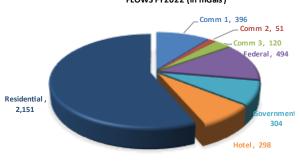
SEPTEMBER 2022 YTD Waste Water Revenue/FLOW by Rate Class





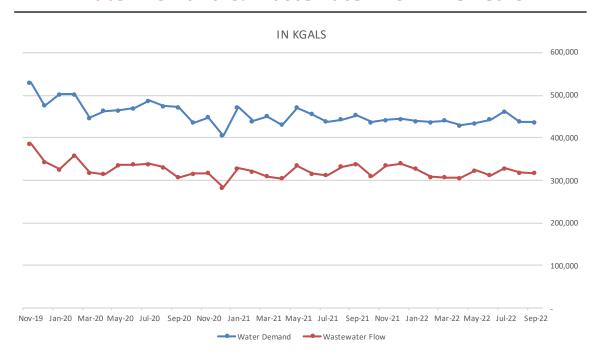
Residential , 2,051 Recidential , 2,051 Comm 1, 388 Comm 2, 56 Comm 3, 141 Federal , 508 Hotel , 318

FLOWS FY2022 (in mGals)



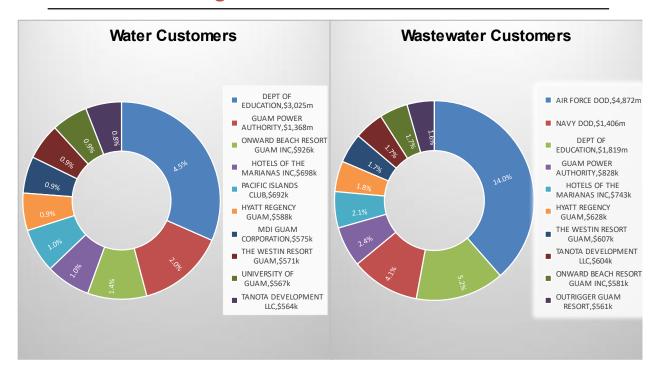


Water Demand & Wastewater Flow – 3 Years





FY2022 10 Largest Water & Wastewater Customers





SEPTEMBER 2022 YTD Expenses by Categories

FY2022 (IN '000)

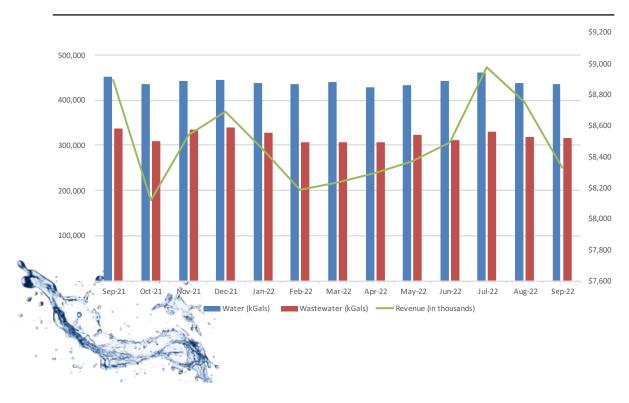
N '000) FY2021 (IN '000)





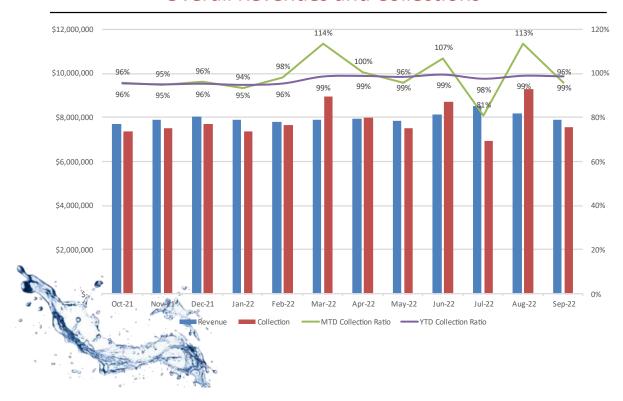


Overall Revenues and Demand



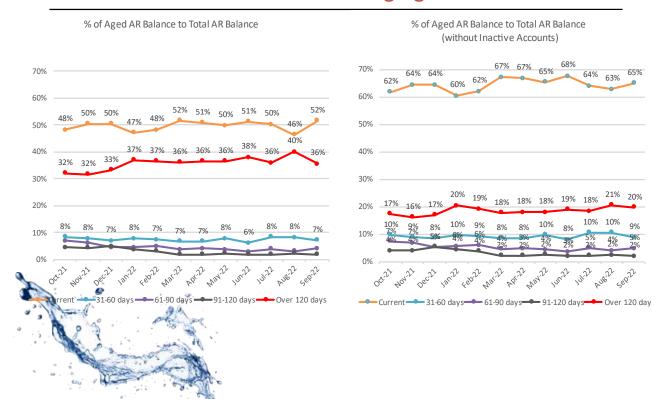


Overall Revenues and Collections





Overall – AR Aging



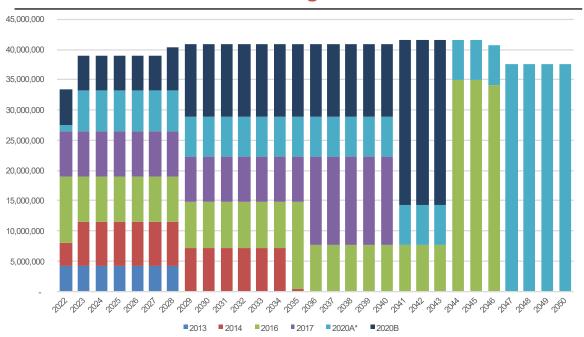


Debt Service as a Percentage of Operating Revenues





GWA Outstanding Debt Service





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Financial Statement Overview September 2022

Key Financial Indicators

Indicator	Target	Jul 22	Aug 22	Sept 22
DSC YTD				
Per Section 6.12 of Indenture	1.25	1.29	1.30	1.30
Per PUC / CCU	1.40	1.29	1.30	1.30
Days - Cash on Hand	120 days	275 days	279 days	264 days
Collection Ratio				
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Year to Date	5,745,050	4,403,952	4,841,911	5,278,164
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Month to Date	356,472	328,482	317,636	316,863
Year to Date	4,277,668	3,194,038	3,511,674	3,828,538
Water Customers	42,839	43,420	43,407	43,446
Wastewater Customers	29,805	30,745	30,597	30,651

Water and Wastewater Consumption

Water consumption is 4% less and wastewater flow is 6% less for the month of September compared to prior year. While Hotel, Government, and Agricultural water consumption were up 16%, 22%, and 142%, it was not enough to offset decreases in all other customer classes. Similarly, increases of 22% and 24% in wastewater flows for the Hotel and Government were not sufficient to offset decreases in the other customer classes.

Year to Date (YTD) water demand is down 1% while wastewater flows are same level as compared to last year. Increases in the Commercial, Hotel and GovGuam customer classes offset decreases in the Residential customer class. Note that the number of YTD billing days through September 2022 of 363 days is 4 days more than the prior year's 359 days. See Schedule K for Water Demand for FY2015 to FY2022.

YTD average daily water consumption for September 2022 of 14,540 kgals is 2% lower than September 2021's 14,874 kgals. Increases in the commercial, hotel, and GovGuam customer classes were not enough to offset decreases in the Residential average daily water consumption.

Balance Sheet (Schedule A)

 Total Assets & Deferred Outflows of Resources of \$1.23B in September 2021 decreased by \$991.0K or less than 1% compared to September 2022. Current Assets decreased by \$14.2M primarily due to decreases in federal receivables and restricted funds. Property, Plant and Equipment increased by \$41.3M due to increases in construction work in progress offset by increases in accumulated



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depreciation. Other Noncurrent Assets decreased by \$26.7 million as bond funds were used to pay contractors and debt service.

- Liabilities & Deferred Inflow of Resources of \$920.0M in September 2021 decreased by \$16.7M or 2% to \$903.3M in September 2022 primarily due to reductions in contractors' payable and bonds payable,
- Accounts Receivable days in September and August 2022 were 39 days. Accounts Payable days were 31 days in September 2022, 5 days less than the 36 days in August 2022. Schedule I presents Accounts Receivable Aging by Customer Class and Schedule H contains a breakdown of Government Receivables. Schedule J reports Accounts Payable Aging.

Statement of Operations and Retained Earnings (Schedules B-E)

- Total Operating Revenues for September 2022 of \$8.44M was about the same \$10.0K less than budget of \$8.45M. September 2022 Total Operating Revenues are 6% or \$559.0K less than September 2021's \$9.0M.
- Total FY2022 Operating Revenues \$103.1M were 2% or \$1.7M more than the budget of \$101.5M. Total FY2022 Operating Revenues were 1% or \$1.5M more than FY2021 Operating Revenues of \$101.7M.
- Below are the percentages of operating revenues (water and wastewater) contributed by GWA's customer classes for FY2022 and FY2021 as well as the revenue totals:

	Customer Class	FY202	2	FY2021		
0	Residential	\$47,037,210	\$47,037,210 46.38%		49.13%	
0	Commercial	\$22,093,937	21.78%	\$21,011,338	21.10%	
0	Hotel	\$13,648,649	13.46%	\$13,059,732	13.12%	
0	Government of Guam	\$11,966,881	11.80%	\$10,054,602	10.10%	
0	Federal Government	\$6,138,355	6.05%	\$5,983,110	6.01%	
0	Agriculture, Golf Course, Irrigation	\$540,463	.53%	\$544,404	.55%	
	TOTALS	\$101,425,495	100.00%	\$99,565,043	100.00%	

- Total Operating Expenses for September 2022 of \$8.5M were \$485.0K or 6% more than budget of \$8.0M. September 2022 Total Operating Expenses were 3% or \$284.0K more than September 2021's \$8.2M. The largest increase month over month was in power which increased by 88% or \$1.04M.
- FY2022 Operating Expenses of \$94.0M were \$1.6M or 2% more than budget of \$95.6M. FY2022 Operating Expenses were 10% or \$8.6M more than FY2021's \$85.4M. The largest increase year over year was due to power purchases which was \$6.0M more or more than 70% of the \$8.6M increase.
- Earnings from Operations for September 2022 of -\$8.1K were 102% or \$495.3K less than the budget of \$487.2K and 101% or \$842.5KM less than September 2021's \$834.4K. Change in Net Assets for September 2022 of \$2.6M was 181% or \$1.6M less than the \$910.0K budget and \$11.0M or 81% less than September 2021's \$13.6M. The decrease in the Change in Net Assets year over year was mostly due to the decrease in earnings and contributions from Federal Grants.
- FY2022 Earnings from Operations of \$9.1M were 56% or \$3.3M more than the budget of \$5.8M and 44% or \$7.1M less than FY2021's \$16.2M. FY2022 Change in Net Assets of \$15.7M was 44% or \$4.8M more than the \$10.9M budget and \$39.5M or 72% less than FY2021 YTD's \$55.2M again due to the decrease in earnings and Federal Grant contributions.



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Cash Flow (Schedule F)

As of September 2022, cash flows from operating activities were \$34.5M, cash used in capital and
financing activities was \$71.3M, and cash from investing activities was \$34.9M resulting in a decrease
in cash of \$1.9M for the fiscal year. Days Cash on Hand for September 2022 was calculated at 264 days
compared to August's 279 days. Schedule G contains a schedule of restricted and unrestricted cash and
investments.

Customer Payments

Despite the pandemic, while only 8% of payments are made in cash, more than a third of payments continue to be made in person. Beginning in August 2021, ratepayers were able to access one walkup window in Upper Tumon to make payments; the drive through continues to remain open.

On April 28, 2020, CCU Resolution 24-FY2020 granted the lifting of credit card limits on payments for non-residential accounts. In FY2022 (October through December), approximately 50% of payments were made with credit cards. Below is a summary of non-residential credit card payments and related fees.

Month	Customer Count	Amount Paid	Fees	% Of Fees to Payments
May - September 2020	140	\$241,335 \$4,952		2.05%
October 2020-September 2021	526 \$1,119,286		\$22,505	2.01%
October - December 2021	160	\$649,270	\$13,055	2.01%
January - March 2022	177	\$753,282	\$15,146	2.01%
April - June 2022	186	\$766,544 \$15,412		2.01%
July 2022	69	\$310,921	\$6,251	2.01%
August 2022	78	\$328,047	\$6,596	2.01%
September 2022	68	\$268,905	\$5,129	1.91%

The new merchant service agreement will transfer credit card processing from Bank of Hawaii to First Hawaiian Bank (FHB). GWA Resolution 20-FY2022 authorized set up an FHB account to be used to deposit funds collected through this process. Credit card payments at GPWA offices use the FHB facility while we are working with FHB to convert online payments.

Since the suspension of disconnections for nonpayment was lifted, the Upper Tumon office has been open for payments on Saturdays. For the four Saturdays in September, 340 payments totaling \$53,509 were made towards GWA billings and 370 payments totaling \$166,739 were made for GPA.

For the month of September, Finance posted \$64,954 in utility payments from the Department of Administration (DOA) for eligible renters as part of the Guam Emergency Rental Assistance Program (GERAP); \$921,602 in GERAP payments were made in FY22. Additionally, GWA posted \$43,317 from eligible homeowners as part of the Guam Homeowners Assistance Fund (GHAFP); \$350,436 of GHAFP payments were made in FY22. Furthermore, GWA posted \$23,552 payments from eligible Low Income Household Water Assistance Program (LIHWAP); \$74,624 in LIHWAP payments were made in FY22.

Guam Solid Waste (GSW) Customer Payments

GPWA began to accept GSW payments on June 6, 2022. For the month of September, GWA accepted \$59,624 in GSW payments at the Upper Tumon Office. GWA will bill \$1,003 to GSW for processing fees.



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PUC Docket

The GWA Comprehensive Review and Update of its Five-Year Financial Plan & Capital Improvement Program (Financial Plan Update) and related Rate Application Model (RAM) were delivered to the PUC as required on May 1, 2021. The stipulated analytical studies were previously provided to the PUC as required on March 31, 2021.

More than a year after the filing, on September 22, 2022, the PUC issued a rate decision on GWA Docket 19-08 ordering a 5.5% increase for FY2023 and FY2024, excluding lifeline rates. A true up projection for FY2024 must be provided by June 1, 2023. Additionally, a number of reports are being required in the order including an annual update on grants, semi-annual reports on water loss, and updates on commercial paper approvals and USEPA proceedings.

FY2023 Budget

Resolution 32-FY2022 approved the FY2023 Operations and Maintenance Budget totaling \$100M with an FTE cap of 400, excluding interns and federally funded positions.

GWA continues to monitor revenues and will adjust as needed to ensure continuity of services to our customers while keeping the safety of our staff the highest priority.

Rate Stabilization Fund

CCU Resolution 06-FY2022 authorized transfers up to \$2 million from the RSF into the GWA general fund. Resolution 19-FY2022 authorized transfers from the RSF to the general fund by \$3.3 million and Resolution 28-FY2022 authorized transfers of up to \$6.1 million bringing total authorized transfers to \$11.4 million. A \$1.25 million transfer is anticipated for September 2022, bringing total transfers to \$7 million.

FY2022 Audit

The Finance team held its planning meeting with Ernst & Young in September. Both the Internal Audit and Ernst & Young teams observed the physical inventory held the last week of September. An Audit Entrance meeting has been scheduled with the OPA on October 18, 2022.

Public Law 36-107 Chapter IX Section 3 requires autonomous agencies to deposit an amount equal to the cost of the audit into an account created by Department of Administration to fund the annual audit. Additionally, the Public Auditor shall administer the funds and oversee the audits.

COVID Updates

There were 596 COVID-19 positive tests and 11 COVID-related fatalities reported during the month of September. For the month of September 2022, the average daily positive test rate was 20 compared to the 80 daily average in August. Executive Order 2022-23 extended the public health emergency to November 5, 2022.

By the end of September 2022, 140,108 residents were fully vaccinated, 70,667 had received their first booster, and 12,706 had received a second booster. Incentives are being offered to residents who take their last dose in the primary series or receive a booster. There were 4 persons hospitalized for COVID at the end of September. The recently approved Novavax and Bivalent vaccines are available at DPHSS clinics by appointment; outreach clinics were closed on September 30, 2022. Monoclonal antibody treatment of mild to moderate COVID-19 is also available through DPHSS.

GVB Visitor Arrivals

Visitor Arrivals for August 2022 increased 336.1% over August 2021, from 8,675 to 37,835. Sixty-six percent of arrivals were from Korea and 15% originated from the United States. Calendar year arrivals were up 235.8% and fiscal year arrivals were up 238.1%. Free COVID-19 testing is still available at the Plaza Shopping Center in Tumon.

GUAM WATERWORKS AUTHORITY September 30, 2022 FINANCIAL AND RELATED REPORTS TABLE OF CONTENTS

	SCHEDULES	PAGE
BALANCE SHEET	Α	2
INCOME STATEMENT MTD ACTUALS VS MTD BUDGET	В	3
INCOME STATEMENT MTD ACTUALS FY22 VS FY21	С	4
INCOME STATEMENT YTD ACTUALS VS YTD BUDGET	D	5
INCOME STATEMENT YTD ACTUALS FY22 VS FY21	E	6
STATEMENT OF CASH FLOWS	F	7
SCHEDULE OF CASH RESTRICTED/UNRESTRICTED	G	8
AGING REPORT - GOVERNMENT RECEIVABLES	н	9
AGING REPORT - RECEIVABLES BY RATE CLASS	I	10
AGING REPORT - ACCOUNTS PAYABLE	J	11
WATER DEMAND BY RATE CLASS FY2015 - FY2022	К	12
SYSTEM DEVELOPMENT CHARGES PROJECT STATUS	L	13

GUAM WATERWORKS AUTHORITY Balance Sheet September 30, 2022

SCHEDULE A

	Unaudited	Audited	Increase
ASSETS AND DEFERRED OUTFLOWS of RESOURCES <u>Current Assets</u>	September 30, 2022	September 30, 2021	(Decrease)
Cash Unrestricted (Schedule G)	33,173,824	35,044,630	(1,870,805)
Restricted Funds (Schedule G)	35,638,095	42,426,211	(6,788,116)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of \$9,753,074 at Sept 30, 2022 and \$8,584,821 at Sept 30, 2021	10,418,535	11,384,126	(965,590)
Federal Receivable	4,516,041	11,436,000	(6,919,959)
Other Receivable	2,668,180	1,015,723	1,652,457
Prepaid Expenses Materials & Supplies Inventory, Net of Allowance for Obsolescence	1,329,398 4,540,932	849,867 4,284,336	479,530 256,596
of \$64,131 at Sept 30, 2022 and \$64,131 at Sept 30, 2021 Total Current Assets	92,285,006	106.440.894	(14,155,888)
	32,203,000	100,440,034	(14,133,000)
Property, Plant and Equipment Utility plant in service			
Water system	419.442.432	415,123,284	4,319,148
Wastewater system	513,677,631	513,741,066	(63,435)
Non-utility property	33,339,948	33,051,603	288,346
Total property	966,460,012	961,915,953	4,544,059
Less: Accumulated Depreciation	(394,381,413)	(367,521,639)	(26,859,775)
Land Construction Work in Progress	5,287,305 231,143,952	5,240,187 167,589,130	47,117 63,554,822
Property, Plant and Equipment, net	808,509,855	767,223,632	41,286,224
Noncurrent assets	404.000.000	400 450 004	(00.450.055)
Restricted cash (Schedule G) Investments (Schedule G)	164,999,269 69,404,193	193,458,224 67,678,709	(28,458,955) 1,725,483
Total other noncurrent assets and deferred charges	234,403,462	261,136,933	(26,733,471)
Total Assets	1,135,198,323	1,134,801,458	396,864
Deferred outflows of resources			
Regulatory assets	2,592,049	1,922,989	669,060
Debt defeasance due to bond refunding Deferred outflows from pension	29,229,855 12,904,653	31,286,637 12,904,653	(2,056,782)
Deferred outflows from OPEB	48,780,079	48,780,079	-
Total Assets and Deferred Outflows of Resources	1,228,704,958	1,229,695,816	(990,858)
LIABILITIES, DEFERRED INFLOWS of RESOURCES AND NET ASSETS <u>Current Liabilities</u> Current maturities of long-term debt			
Series 2013 Revenue Bond	3,145,000	2,990,000	155,000
Series 2014 Refunding Bond	4,005,000	555,000	3,450,000
Series 2016 Revenue Bond	835,000	4,055,000	(3,220,000)
Series 2017 Refunding Bond	2,250,000	2,145,000	105,000
Accounts Payable -Trade Accrued and Other Liabilities	4,231,576 2,813,370	2,544,909 2,123,580	1,686,667 689,790
Interest Payable	7,395,857	7,324,101	71,756
Accrued Payroll and Employee Benefits	1,179,612	918,703	260,908
Current portion of employee annual leave	660,125	660,125	-
Contractors' Payable	17,608,844	25,847,832	(8,238,988)
Customer and Other Deposits Total Current Liabilities	2,275,313 46,399,696	2,237,010 51,401,260	38,303 (5,001,563)
	40,399,090	31,401,200	(3,001,303)
Long Term Debt, less current maturities Series 2013 Revenue Bond	18,365,000	21,510,000	(3,145,000)
Series 2014 Refunding Bond	60,050,000	64,055,000	(4,005,000)
Series 2016 Revenue Bond	134,140,000	134,975,000	(835,000)
Series 2017 Refunding Bond	100,930,000	103,180,000	(2,250,000)
Series 2020A Revenue Bond	134,000,000	134,000,000	-
Series 2020B Refunding Bond	166,075,000	166,075,000	-
Unamortized Bond Premium/Discount	38,778,147	40,654,335	(1,876,188)
Net pension liability Net OPEB obligation	56,364,779 106,433,894	56,364,779 106,433,894	-
Employee Annual Leave, Less Current Portion	1,185,813	1,185,813	-
Employee Sick Leave	1,339,208	1,339,208	-
Total Liabilities	864,061,538	881,174,289	(17,112,752)
Deferred inflows of resources: Contribution in Aid of Construction	640,815	244,720	396,095
Deferred inflows from pension	985,049	244,720 985,049	390,093 -
Deferred inflows from OPEB	37,575,154	37,575,154	<u> </u>
Total Liabilities and Deferred Inflows of Resources	903,262,555	919,979,212	(16,716,657)
Net Assets	325,442,402	309,716,603	15,725,799
Total Liabilities, Deferred Inflows of Resources and Net Assets	1,228,704,958	1,229,695,816	(990,858)

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending September 30, 2022

SCHEDULE B

	Month to	Variance	
	Actual (Unaudited) September-22	Budget* September-22	Favorable / (Unfavorable)
OPERATING REVENUES			(
Water Revenues	5,216,362	5,351,624	(135,262
Wastewater Revenues Legislative Surcharge	2,868,988 246,781	2,759,251 247,398	109,737 (617
Other Revenues	27,609	38,100	(10,491
System Development Charge	84,696	58,255	26,442
Total Operating Revenues	8,444,437	8,454,627	(10,190
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	625,356	550,510	(74,846
Power Purchases Total Utility Costs	2,216,925 2,842,281	1,498,931 2,049,441	(717,994 (792,840
Total Othicy Costs	2,042,201	2,043,441	(132,040
Salaries and Wages	1,639,824	1,614,152	(25,673
Pension and Benefits	631,681	632,044	364
Total Salaries and Benefits	2,271,505	2,246,196	(25,309
Capitalized Labor and Benefits Net Salaries and Benefits	(288,571) 1,982,934	(272,899) 1,973,297	15,672 (9,637
Administrative and General Expenses	1,902,934	1,973,297	(9,037
Sludge removal	26,430	75,084	48,654
Chemicals	82,223	163,699	81,476
Materials & Supplies	104,238	193,461	89,223
Transportation	36,656	65,608	28,952
Communications Claims	18,400	12,911	(5,489
Claims Insurance	3,305 147,927	4,411 109,966	1,105 (37,961
Training & Travel	2,464	12,649	10,184
Advertising	13,034	3,788	(9,247
Miscellaneous	95,979	106,853	10,874
Regulatory Expense	17,654	36,381	18,727
Bad Debts Provision	166,643	167,165	523
Total Administrative and General Expense Depreciation Expense	714,953 2,194,405	951,977	237,023 114,656
Contractual Expense	2,194,403	2,309,061	114,000
Audit & Computer Maintenance	93,797	143,530	49.733
Building rental	47,415	42,397	(5,018
Equipment rental	50,033	38,326	(11,708
Legal	48,140	17,872	(30,268
Laboratory	8,525	39,278	30,753
Other	208,832	131,104	(77,728
Total Contractual Expense Retiree Supp. Annuities and health care costs	456,742 209,407	412,508 219,142	(44,234 9,735
Contribution to Government of Guam	51,833	52,000	9,733
Total Retiree Benefits	261,240	271,142	9,901
Total Operating Expenses	8,452,555	7,967,425	(485,131
Earnings (Loss) from Operations	(8,118)	487,202	(495,321
Interest Income - 2010/13/14/16/17/20 Series Bond	637,923	2,874	635,050
Interest Income - Other Funds	77,867	821	77,046
Interest Income - SDC Interest Expense - 2010/13/14/16/17/20 Series Bond	14,721 (2,417,036)	445 (2,457,450)	14,276 40,415
Contributions from Federal Government	(2,417,030)	(2,437,430)	40,413
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	(2,932)	2,932
AFUDC	-	-	-
Amortization of Discount, Premium and Issuance Costs	156,349	156,349	
Defeasance due to bond refunding	(171,398)	(171,399)	0
Deferred outflows from pension Prior Year Adjustment	10,930	- 13,591	(2,661
Total non-operating revenues (expenses)	(1,690,644)	(2,457,702)	767,058
Net Income (Loss) before capital contributions	(1,698,762)	(1,970,500)	271,737
Capital Contributions			
Grants from US Government	4,256,861	2,880,471	1,376,391
Grants from GovGuam & Others		-	-
Total Capital Contributions	4,256,861	2,880,471	1,376,391
Change in Net Assets	2,558,099	909,971	1,648,128
Dahé Samilaa Calaulatian			
Debt Service Calculation Earnings From Operations	(8,118)	487,202	
System Development Charge	(84,696)	(58,255)	
Retiree COLA	51,833	52,000	
Interest/Investment Income	77,867	821	
Depreciation	2,194,405	2,309,061	
Plus withdrawals (deposits) to Rate Stabilization Fund	1,250,000	950,000	
Balance Available for Debt Service per Section 6.12	3,481,290	3,740,829	
Debt Service	040.000	040.000	
Principal Interest	812,083 1,976,089	812,083 1,976,089	
Total	2,788,172	2,788,172	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.34	

*Interim budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending September 30, 2022 and 2021

SCHEDULE C

	Month t	Variance	
	Actual (Unaudited)	Actual (Audited)	Increase /
OPERATING REVENUES	September-22	September-21	(Decrease)
Water Revenues	5,216,362	5,726,466	(510,104)
Wastewater Revenues	2,868,988 246,781	2,904,180	(35,192) (19,958)
Legislative Surcharge Other Revenues	27,609	266,740 51,323	(23,714)
System Development Charge	84,696	54,276	30,420
Total Operating Revenues OPERATING AND MAINTENANCE EXPENSES	8,444,437	9,002,984	(558,547)
Water Purchases	625,356	569,589	55,767
Power Purchases	2,216,925	1,176,513	1,040,412
Total Utility Costs	2,842,281	1,746,102	1,096,179
Salaries and Wages	1,639,824	1,816,164	(176,340)
Pension and Benefits Total Salaries and Benefits	631,681	762,685	(131,004)
Capitalized Labor and Benefits	2,271,505 (288,571)	2,578,849 (321,482)	32,910
Net Salaries and Benefits	1,982,934	2,257,367	(274,433)
Administrative and General Expenses Sludge removal	26,430	75,869	(49,440)
Chemicals	82,223	215,362	(133,139)
Materials & Supplies	104,238	104,498	(260)
Transportation Communications	36,656 18,400	80,084 13.495	(43,428) 4,905
Claims	3,305	21,922	(18,617)
Insurance	147,927	79,937	67,990
Training & Travel Advertising	2,464 13,034	6,587 19,152	(4,122) (6,117)
Miscellaneous	95,979	106,341	(10,362)
Regulatory Expense	17,654	27,977	(10,322)
Bad Debts Provision Total Administrative and General Expense	166,643 714,953	211,659 962,882	(45,016) (247,929)
Depreciation Expense	2,194,405	2,417,996	(223,591)
Contractual Expense Audit & Computer Maintenance	93,797	129,651	(35,854)
Building rental	47,415	41,479	5,936
Equipment rental	50,033	53,385	(3,352)
Legal Laboratory	48,140 8,525	- 74,240	48,140 (65,715)
Other	208,832	225,068	(16,236)
Total Contractual Expense	456,742	523,822	(67,080)
Retiree Supp. Annuities and health care costs Contribution to Government of Guam	209,407 51,833	210,060 50,333	(653) 1,500
Total Retiree Benefits	261,240	260,394	847
Total Operating Expenses	8,452,555	8,168,563	283,992
Earnings (Loss) from Operations Interest Income - 2010/13/14/16/17/20 Series Bond	(8,118) 637,923	834,421 2,441	(842,540) 635,482
Interest Income - Other Funds	77,867	59,033	18,834
Interest Income - SDC Interest Expense - 2010/13/14/16/17/20 Series Bond	14,721 (2,417,036)	441 (2,441,367)	14,280 24,331
Contributions from Federal Government	(2,417,000)	(2,441,307)	24,331
Federal Expenditures	-	-	-
Loss on Asset Disposal AFUDC	-	- 509.036	(509,036)
Amortization of Discount, Premium and Issuance Costs	156,349	156,349	-
Defeasance due to bond refunding	(171,398)	(172,097)	699
Deferred outflows from pension Prior Year Adjustment	- 10,930	- 54,547	(43,617)
Total non-operating revenues (expenses)	(1,690,644)	(1,831,616)	140,973
Net Income (Loss) before capital contributions Capital Contributions	(1,698,762)	(997,195)	(701,567)
Grants from US Government	4,256,861	14,577,047	(10,320,186)
Grants from GovGuam & Others		-	<u> </u>
Total Capital Contributions Change in Net Assets	4,256,861 2,558,099	14,577,047 13,579,852	(10,320,186) (11,021,753)
	2,000,000	10,010,002	(11,021,100)
Debt Service Calculation			
Earnings From Operations	(8,118)	834,421	
System Development Charge Retiree COLA	(84,696) 51,833	(54,276) 50,333	
Interest/Investment Income	77,867	59,033	
Depreciation	2,194,405	2,417,996	
Plus withdrawals (deposits) to Rate Stabilization Fund Balance Available for Debt Service per Section 6.12	1,250,000 3,481,290	3,307,508	
Working Capital Reserve Available for Debt Service	3,401,230	-	
Transfer to Working Capital - Debt Service Reserve		-	
Transfer to Working Capital - O&M Reserve Balance Available for Debt Service inclusive of reserves	3,481,290	3,307,508	
Debt Service	0,401,200	3,007,000	
Principal	812,083	772,500	
Interest Total	1,976,089 2,788,172	1,847,251 2,619,751	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.25	1.26	
Debt Service Coverage (1.40X) (PUC)	1.25	1.26	

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative Budget vs. Actual for the period ending September 30, 2022

SCHEDULE D

	Year to Date		Variance	
	Actual (Unaudited) September-22	Budget* September-22	Favorable / (Unfavorable)	
OPERATING REVENUES	Ocptomber 22	Coptomber 22	(Gilla Volubic)	
Water Revenues	64,585,903	64,219,483	366,420	
Wastewater Revenues	33,830,040	33,111,008	719,032	
Legislative Surcharge	3,009,552	2,968,777	40,775	
Other Revenues System Development Charge	453,771 1,245,362	457,199 699,059	(3,428) 546,303	
Total Operating Revenues	103,124,628	101,455,526	1,669,102	
OPERATING AND MAINTENANCE EXPENSES		,,	.,,,,,,,,	
Water Purchases	6,543,462	6,606,117	62,655	
Power Purchases	18,577,440	17,987,175	(590,265)	
Total Utility Costs	25,120,902	24,593,292	(527,610)	
Salaries and Wages	19,246,980	19,369,820	122,840	
Pension and Benefits	7,383,987	7,584,532	200,545	
Total Salaries and Benefits	26,630,967	26,954,352	323,385	
Capitalized Labor and Benefits	(3,258,182)	(3,274,789)	(16,607)	
Net Salaries and Benefits	23,372,785	23,679,563	306,778	
Administrative and General Expenses	050.040	004.000	040 400	
Sludge removal Chemicals	658,813 1,725,537	901,006 1,964,393	242,193 238,856	
Materials & Supplies	1,855,189	2,321,534	466,345	
Transportation	693,426	781,100	87,674	
Communications	156,590	154,927	(1,662)	
Claims	82,978	52,929	(30,049)	
Insurance	1,299,193	1,319,596	20,403	
Training & Travel	51,280	151,785	100,505	
Advertising Miscellaneous	62,525 1,243,774	45,450 1,282,238	(17,074) 38,464	
Regulatory Expense	201,409	436,575	235,166	
Bad Debts Provision	2,028,510	2,005,985	(22,524)	
Total Administrative and General Expense	10,059,223	11,417,518	1,358,295	
Depreciation Expense	27,677,725	27,708,727	31,002	
Contractual Expense				
Audit & Computer Maintenance	1,316,380	1,722,366	405,986	
Building rental Equipment rental	528,840 424,622	508,767 459,908	(20,072) 35,285	
Equipment rental Legal	500,086	202,467	(297,619)	
Laboratory	186,937	506,037	319,100	
Other	1,613,355	1,556,751	(56,604)	
Total Contractual Expense	4,570,219	4,956,296	386,076	
Retiree Supp. Annuities and health care costs	2,578,423	2,629,701	51,278	
Contribution to Government of Guam	622,000	624,000	2,000	
Total Retiree Benefits Total Operating Expenses	3,200,423 94,001,278	3,253,701 95,609,097	53,278 1,607,819	
Earnings (Loss) from Operations	9,123,350	5,846,429	3,276,921	
Interest Income - 2010/13/14/16/17/20 Series Bond	1,244,032	34,482	1,209,550	
Interest Income - Other Funds	165,001	9,851	155,150	
Interest Income - SDC	22,322	5,336	16,986	
Interest Expense - 2010/13/14/16/17/20 Series Bond	(29,368,159)	(29,489,403)	121,244	
Contributions from Federal Government Federal Expenditures	-	-	-	
Loss on Asset Disposal	(269,574)	(35,186)	(234,388)	
AFUDC	(209,574)	(33,100)	(234,300)	
Amortization of Discount. Premium and Issuance Costs	1,876,188	1,876,188	0	
Defeasance due to bond refunding	(2,056,782)	(2,056,782)	0	
Deferred outflows from pension		-	-	
Prior Year Adjustment	135,323	163,090	(27,767)	
Total non-operating revenues (expenses)	(28,251,649) (19,128,298)	(29,492,424)	1,240,775	
Net Income (Loss) before capital contributions Capital Contributions	(19,120,290)	(23,645,995)	4,517,697	
Grants from US Government	34,854,097	34,565,647	288,450	
Grants from GovGuam & Others	-	-	-	
Total Capital Contributions	34,854,097	34,565,647	288,450	
Change in Net Assets	15,725,799	10,919,652	4,806,147	
Debt Service Calculation	0.400.050	5 0 4 0 4 0 0		
Earnings From Operations System Development Charge	9,123,350	5,846,429		
Retiree COLA	(1,245,362) 622,000	(699,059) 624,000		
Interest/Investment Income	165,001	9,851		
Depreciation	27,677,725	27,708,727		
Plus withdrawals (deposits) to Rate Stabilization Fund	7,000,000	10,450,000		
Balance Available for Debt Service per Section 6.12	43,342,714	43,939,948		
Debt Service				
Principal	9,745,000	9,745,000		
Interest Total	23,713,069	23,713,069		
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	33,458,069 1.30	33,458,069 1.31		
Debt Service Coverage (1.23X) - per Section 6.12 (indenture) Debt Service Coverage (1.40X) inclusive of reserves (PUC)	1.30	1.31		
(1 00)		1.01		

*Interim budget

GUAM WATERWORKS AUTHORITY Statement of Operations and Retained Earnings Comparative for the period ending September 30, 2022 and 2021

SCHEDULE E

Comparative for the period ending Se	Year to Date		Varian	
	Actual (Unaudited) September-22	Actual (Audited) September-21	Variance Increase /	
OPERATING REVENUES	September-22	September-21	(Decrease)	
Water Revenues	64,585,903	64,925,611	(339,708)	
Wastewater Revenues	33,830,040	31,696,436	2,133,604	
Legislative Surcharge	3,009,552	2,942,995	66,557	
Other Revenues	453,771	502,315	(48,544)	
System Development Charge Total Operating Revenues	1,245,362 103,124,628	1,596,459 101,663,816	(351,097) 1,460,812	
OPERATING AND MAINTENANCE EXPENSES	100,124,020	101,000,010	1,400,012	
Water Purchases	6,543,462	6.615.983	(72,521)	
Power Purchases	18,577,440	12,507,537	6,069,904	
Total Utility Costs	25,120,902	19,123,520	5,997,382	
Salaries and Wages	19,246,980	19,290,134	(43,153)	
Pension and Benefits	7,383,987	7,272,190	111,797	
Total Salaries and Benefits	26,630,967	26,562,323	68,644	
Capitalized Labor and Benefits	(3,258,182)	(3,857,779)	599,597	
Net Salaries and Benefits Administrative and General Expenses	23,372,785	22,704,545	668,241	
Sludge removal	658,813	1,415,293	(756,480)	
Chemicals	1,725,537	2,124,444	(398,908)	
Materials & Supplies	1,855,189	1,425,390	429,799	
Transportation	693,426	519,743	173,683	
Communications	156,590	159,074	(2,484)	
Claims	82,978	89,628	(6,650)	
Insurance	1,299,193	956,589	342,604	
Training & Travel	51,280	34,926	16,354	
Advertising	62,525	86,704	(24,179)	
Miscellaneous	1,243,774	1,205,376	38,399	
Regulatory Expense	201,409	260,410	(59,001)	
Bad Debts Provision	2,028,510 10,059,223	1,991,300	37,210	
Total Administrative and General Expense Depreciation Expense	27,677,725	10,268,875 25,975,699	(209,651) 1,702,026	
Contractual Expense	21,011,123	20,970,099	1,702,020	
Audit & Computer Maintenance	1,316,380	1,322,097	(5,717)	
Building rental	528,840	497,007	31,832	
Equipment rental	424,622	288,743	135,879	
Legal	500,086	-	500,086	
Laboratory	186,937	413,716	(226,779)	
Other	1,613,355	1,701,284	(87,929)	
Total Contractual Expense	4,570,219	4,222,847	347,372	
Retiree Supp. Annuities and health care costs	2,578,423	2,526,955	51,467	
Contribution to Government of Guam Total Retiree Benefits	622,000 3,200,423	604,000 3,130,955	18,000 69,467	
Total Operating Expenses	94,001,278	85,426,441	8,574,837	
Earnings (Loss) from Operations	9,123,350	16,237,376	(7,114,025)	
Interest Income - 2010/13/14/16/17/20 Series Bond	1,244,032	29,274	1,214,759	
Interest Income - Other Funds	165,001	70,610	94,391	
Interest Income - SDC	22,322	12,836	9,486	
Interest Expense - 2010/13/14/16/17/20 Series Bond	(29,368,159)	(29,886,520)	518,361	
Contributions from Federal Government	-	188,768	(188,768)	
Federal Expenditures	-	(130,939)	130,939	
Loss on Asset Disposal	(269,574)	(1,093,328)	823,754	
AFUDC	1 076 100	6,103,190	(6,103,190)	
Amortization of Discount, Premium and Issuance Cos Defeasance due to bond refunding	1,876,188	1,874,438 (2,065,164)	1,750 8,382	
Deferred outflows from pension	(2,056,782)	(2,005,104)	0,302	
Prior Year Adjustment	135,323	151,364	(16,041)	
Total non-operating revenues (expenses)	(28,251,649)	(24,745,471)	(3,506,177)	
Net Income (Loss) before capital contributions	(19,128,298)	(8,508,096)	(10,620,203)	
Capital Contributions				
Grants from US Government	34,854,097	63,729,923	(28,875,826)	
Grants from GovGuam & Others	- 04.054.007	7,106	(7,106)	
Total Capital Contributions Change in Net Assets	34,854,097 15,725,799	63,737,028 55,228,933	(28,882,931) (39,503,134)	
Bold Comics Colords "		=	, , , , , ,	
Debt Service Calculation	0.400.050	16 007 070		
Earnings From Operations System Development Charge	9,123,350	16,237,376		
Retiree COLA	(1,245,362) 622,000	(1,596,459) 604,000		
Interest/Investment Income	165,001	70,610		
Depreciation	27,677,725	25,975,699		
Fund	7,000,000	-		
Balance Available for Debt Service per Section 6.12	43,342,714	41,291,226		
Debt Service		<u> </u>		
Principal	9,745,000	9,270,000		
Interest	23,713,069	22,167,017		
Tatal	22 450 000	24 427 047		
Total	33,458,069	31,437,017		
Debt Service Coverage (1.25X) - per Section 6.12 Debt Service Coverage (1.40X) (PUC)	1.30 1.30	1.31		

SCHEDULE F

Statement of Cash Flows (Unaudited) YTD FY2022 Sep-22 Cash flows from operating activities: 99,778,495 Cash preceived from trade and others 99,778,495 Cash payments to suppliers/contractors for goods and services (29,570,481) Net cash provided by operating activities 34,522,604 Cash flows from capital and related financing activities: 41,774,056 Contributed capital received (grants) 41,774,056 Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: 33,521,588 Interest expense (1,431,356) Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Operating Income (loss) 9,123,350	Guam Waterworks Authority	CONLEGGE
FY2022 Sep-22 Cash flows from operating activities: 99.778.495 Cash payments to suppliers/contractors for goods and services (35.685,409) (35.685,409) Cash payments to suppliers/contractors for goods and services (29.570,481) (35.685,409) Cash provided by operating activities 29.970,481 Cash flows from capital and related financing activities:		VTD
Cash flows from operating activities: 99,778,495 Cash payments to suppliers/contractors for goods and services (35,685,409) Cash payments to employees for services (29,570,481) Net cash provided by operating activities 34,522,604 Cash flows from capital and related financing activities: 41,774,056 Contributed capital received (grants) 41,774,056 Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: (29,341,674) Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 27,677,725 Depreciation expense 27,677,725 Bad debts (recove	· · · · · ·	
Cash received from trade and others 99.778.495 Cash payments to suppliers/contractors for goods and services (29,570,481) Net cash provided by operating activities 34.522,604 Cash payments to employees for services (29,570,481) Net cash provided by operating activities Cash flows from capital and related financing activities: Contributed capital received (grants) 41,774,056 Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 33,173,824 Coperating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: Depreciation expense <	112022	<u> </u>
Cash received from trade and others 99.778.495 Cash payments to suppliers/contractors for goods and services (29,570,481) Net cash provided by operating activities 34.522,604 Cash payments to employees for services (29,570,481) Net cash provided by operating activities Cash flows from capital and related financing activities: Contributed capital received (grants) 41,774,056 Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 33,173,824 Coperating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: Depreciation expense <	Cash flows from operating activities:	
Cash payments to suppliers/contractors for goods and services (29,570,481) Net cash provided by operating activities Cash flows from capital and related financing activities: Contributed capital received (grants) Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities Cash flows from investing activities: Transfers from (to) restricted fund Interest income received 1,431,356 Net cash provided by investing activities Net increase (decrease) in cash Unrestricted cash at beginning of the period Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) Adjustments to reconcile to net cash provided by operating activities: Depreciation expense Bad debts (recovery) Capitalized labor and benefits Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in maselts Accounts receivable Accounts receivable Materials and supplies inventory Prepaid expenses Regulatory Assets Regulatory Reg		99 778 495
Cash payments to employees for services Net cash provided by operating activities Cash flows from capital and related financing activities: Contributed capital received (grants) Acquisition of utility plant Acquisition of operating activities: Transfers from (to) restricted fund Adjustments income received Acquisition of operating activities Acquisition of operating loss to net cash provided by operating activities Coperating income (loss) Adjustments to reconcile to net cash provided by operating activities: Depreciation expense Bad debts (recovery) Capitalized labor and benefits Acquisition of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable Accounts re		
Net cash provided by operating activities 34,522,604 Cash flows from capital and related financing activities: 41,774,056 Contributed capital received (grants) 41,774,056 Acquisition of utility plant (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (29,341,674) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventor		· ·
Cash flows from capital and related financing activities: Contributed capital received (grants) 41,774,056 Acquisition of utility plant (74,241,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 3,8333 Other liabilities 1,088,883	· ·	
Contributed capital received (grants) 41,774,056 Acquisition of utility plant (72,14,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: 33,521,588 Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: -	, , , , , , , , , , , , , , , , , , ,	
Contributed capital received (grants) 41,774,056 Acquisition of utility plant (72,14,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: 33,521,588 Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: -	Cash flows from capital and related financing activities:	
Acquisition of utility plant (74,214,329) Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 9,123,350 Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: - Accounts receivable (2,715,376) Materials and supplies inventory	·	41,774,056
Repayment of Long Term Debt (9,564,406) Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense Non-cash pension costs - Non-cash pension costs - (Increase) decrease in assets: Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885		
Interest expense (29,341,674) Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense 1 Non-cash pension costs (Increase) decrease in assets: Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	· · · · · · · · · · · · · · · · · · ·	· ·
Net cash provided by (used in) capital and related financing activities (71,346,353) Cash flows from investing activities: 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Operating Income (loss) 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: (2715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: (669,060) Accounts payable 1,886,667 Accounte payroll and employee benefits 260,908 Cus		,
Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: (669,060) Accounts payable 1,686,667 Accured payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	Net cash provided by (used in) capital and related financing activities	
Transfers from (to) restricted fund 33,521,588 Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: 9,123,350 Adjustments to reconcile to net cash provided by operating activities: 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: (669,060) Accounts payable 1,686,667 Accured payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	Cash flows from investing activities:	
Interest income received 1,431,356 Net cash provided by investing activities 34,952,943 Net increase (decrease) in cash (1,870,805) Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period 33,173,824 Reconciliation of operating loss to net cash provided by operating activities: \$\text{\$\text{\$C\$}\$ (and the period) \$\text{\$\text{\$\text{\$V\$}\$}\$ (both period) \$\text{\$\text{\$\text{\$\text{\$V\$}\$}\$ (both period) \$\$\text{\$\t		33,521,588
Net increase (decrease) in cash Unrestricted cash at beginning of the period 35,044,630 Unrestricted cash at end of period Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) Adjustments to reconcile to net cash provided by operating activities: Depreciation expense Bad debts (recovery) Capitalized labor and benefits Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable Accounts receivable Materials and supplies inventory Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable Accounts payable Account administration of the period 35,044,630 33,173,824 31,085,885		
Unrestricted cash at end of period Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) Adjustments to reconcile to net cash provided by operating activities: Depreciation expense Bad debts (recovery) Capitalized labor and benefits Non-cash pension costs (Increase) decrease in assets: Accounts receivable Accounts receivable Regulatory Assets Regulatory Assets Accounts payable A	Net cash provided by investing activities	34,952,943
Unrestricted cash at end of period33,173,824Reconciliation of operating loss to net cash provided by operating activities:\$9,123,350Operating Income (loss)9,123,350Adjustments to reconcile to net cash provided by operating activities:\$27,677,725Depreciation expense27,677,725Bad debts (recovery)2,028,510Capitalized labor and benefits(3,258,182)Recovery of provision for inventory obsolescense-Non-cash pension costs-(Increase) decrease in assets:\$(2,715,376)Materials and supplies inventory(256,596)Prepaid expenses(479,530)Regulatory Assets(669,060)Increase (decrease) in liabilities:\$(669,060)Accounts payable1,686,667Accrued payroll and employee benefits260,908Customer deposits38,303Other liabilities1,085,885	Net increase (decrease) in cash	(1,870,805)
Reconciliation of operating loss to net cash provided by operating activities: Operating Income (loss) Adjustments to reconcile to net cash provided by operating activities: Depreciation expense Bad debts (recovery) Capitalized labor and benefits Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable Materials and supplies inventory Prepaid expenses Regulatory Assets Accounts payable Accounts payable Accounts payable Accounts payable Accounted payroll and employee benefits Customer deposits Other liabilities: 1,085,885	Unrestricted cash at beginning of the period	35,044,630
Operating Income (loss)9,123,350Adjustments to reconcile to net cash provided by operating activities:27,677,725Depreciation expense27,677,725Bad debts (recovery)2,028,510Capitalized labor and benefits(3,258,182)Recovery of provision for inventory obsolescense-Non-cash pension costs-(Increase) decrease in assets:(2,715,376)Accounts receivable(2,715,376)Materials and supplies inventory(256,596)Prepaid expenses(479,530)Regulatory Assets(669,060)Increase (decrease) in liabilities:(669,060)Accounts payable1,686,667Accrued payroll and employee benefits260,908Customer deposits38,303Other liabilities1,085,885	Unrestricted cash at end of period	33,173,824
Adjustments to reconcile to net cash provided by operating activities: Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense Non-cash pension costs - (Increase) decrease in assets: Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885		
Adjustments to reconcile to net cash provided by operating activities: Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense Non-cash pension costs - (Increase) decrease in assets: Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	Operating Income (loss)	9.123.350
Depreciation expense 27,677,725 Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: 1,686,667 Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885		3,:=3,333
Bad debts (recovery) 2,028,510 Capitalized labor and benefits (3,258,182) Recovery of provision for inventory obsolescense - Non-cash pension costs - (Increase) decrease in assets: (2,715,376) Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: (669,060) Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885		27.677.725
Capitalized labor and benefits Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable Accrued payroll and employee benefits Customer deposits Other liabilities (3,258,182) (3,258,182) (2,715,376) (2,715,376) (256,596) (479,530) (669,060) (669,060) (669,060) (669,060) (69,060) (69,060) (69,060) (69,060) (609,060)		
Recovery of provision for inventory obsolescense Non-cash pension costs (Increase) decrease in assets: Accounts receivable Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable Accrued payroll and employee benefits Customer deposits Other liabilities 1,085,885	, , , , , , , , , , , , , , , , , , , ,	
(Increase) decrease in assets: (2,715,376) Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: 1,686,667 Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	·	-
Accounts receivable (2,715,376) Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities:	Non-cash pension costs	-
Materials and supplies inventory (256,596) Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities:	(Increase) decrease in assets:	
Prepaid expenses (479,530) Regulatory Assets (669,060) Increase (decrease) in liabilities: 1,686,667 Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	Accounts receivable	(2,715,376)
Regulatory Assets (669,060) Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885	Materials and supplies inventory	(256,596)
Increase (decrease) in liabilities: Accounts payable 1,686,667 Accrued payroll and employee benefits 260,908 Customer deposits 38,303 Other liabilities 1,085,885		
Accounts payable1,686,667Accrued payroll and employee benefits260,908Customer deposits38,303Other liabilities1,085,885		(669,060)
Accrued payroll and employee benefits260,908Customer deposits38,303Other liabilities1,085,885		
Customer deposits38,303Other liabilities1,085,885		
Other liabilities1,085,885		
Net cash provided by operating activities 34,522,604		
	ivel cash provided by operating activities	34,522,004

GUAM WATERWORKS AUTHORITY Restricted and Unrestricted Cash Summary FY2022

SCHEDULE G

Description	Unaudited September 30, 2022	Audited September 30, 2021	Increase (Decrease)
UNRESTRICTED	•	•	,
Change Fund	2,000	2,000	-
Petty Cash	3,930	4,430	(500)
BOG Deposit Accounts	12,033,170	11,783,670	249,500
BOG O & M Reserve	13,915,501	13,863,240	52,261
BOG CapEx Fund	7,219,224	9,391,290	(2,172,066)
Sub-total Unrestricted	33,173,824	35,044,630	(1,870,805)
RESTRICTED			
ANZ Bank	693	1,374	(681)
Bank Pacific	13,774	13,720	54
Bank of Hawaii	191,163	187,857	3,307
Community First FCU	4,168	2,897	1,271
First Hawaiian Bank	88,820	28,808	60,012
Bank Pacific Surcharge	87,523	346,165	(258,642)
Bank Pacific Escrow Deposit	843,051	905,936	(62,885)
BOG Customer Refunds	2,108,598	2,101,144	7,453
BOG Emergency Reserve Fund	6,246	6,245	(0)
BOG Sewer Hookup Revolving Fund	64,373	61,318	3,055
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG Revenue Trust	850,831	902,327	(51,496)
BOG Revenue Trust Fund	7,749,670	7,604,696	144,974
BOG Capital Improvement Revenue Fund	7,487,283	6,017,960	1,469,323
BOG Rate Stabilization Fund	5,650,000	11,400,000	(5,750,000)
	28,229,675	32,663,929	(4,434,256)
BOG - SDC Deposit	1,158,420	4,512,282	(3,353,862)
BOG - SDC CDs	6,250,000	5,250,000	1,000,000
Total SDC	7,408,420	9,762,282	(2,353,862)
Total Restricted	35,638,095	42,426,211	(6,788,117)
Reserve Funds	4 000 005	4 500 744	(000,070)
BOG Series 2013 Construction Fund	4,236,835	4,566,711	(329,876)
BOG Series 2016 Construction Fund	38,621,743	56,620,524	(17,998,781)
BOG Series 2017 Refunding Construction Fund BOG Series 2020A Construction Fund	4,133,026 118,006,420	4,368,640 122,317,770	(235,614) (4,311,350)
BOG Series 2020A Construction Fund BOG Series 2020A Capitalized Interest Fund	1,245	5,584,579	(5,583,334)
Total Restricted - Held by Trustee	164,999,269	193,458,224	(28,458,955)
Total Restricted - Held by Hustee	104,939,209	193,430,224	(20,430,333)
BOG OMRRRF Fund	17,423,213	17,423,213	=
USB Series 2013 Debt Service Fund	1,400,508	1,396,665	3,843
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Reserve Fund	9,700,178	8,784,922	915,257
USB Series 2016 Debt Service Fund	1,967,736	2,816,611	(848,874)
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	· - ′
USB Series 2010 Debt Service Fund	=	31,558	(31,558)
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	
USB Series 2017 Debt Service Fund	1,907,628	1,903,114	4,514
USB Series 2020A Debt Service Fund	1,678,906	-	1,678,906
USB Series 2020A Debt Service Reserve Fund	6,659,700	6,659,700	-
USB Series 2020B Debt Service Reserve Fund	1,476,176	1,472,780	3,396
Total Investments	69,404,193	67,678,709	1,725,483
Total Restricted and Unrestricted Cash	303,215,381	338,607,774	(35,392,394)

Guam Waterworks Authority Accounts Receivable - Government (Active) September 30, 2022

SCHEDULE H

September 30, 2022				AGING			
Customer Name	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total
Autonomous Agencies (Active)	Accounts	Guirent	51 - 00 days	01 - 30 days	31 - 120 days	Over 120 days	Total
Guam Int'l Airport Authority	8	14,524	3,910	11,461	60	262,451	292,406
Guam Power Authority	25	178,358	25,312	-	-	-	203,670
Guam Housing & Urban Renewal Authority	9	6,478	-	-	-	-	6,478
Guam Solid Waste Authority	4	832	71	83	6	-	993
Port Authority of Guam	5	677	-	-	-	-	677
Guam Housing Corporation	1	200,908	29,293	11,544	- 66	262,451	38 504,263
Total Autonomous Agencies		200,300	23,233	11,344		202,431	304,203
Semi-Autonomous Agencies (Active)							
University of Guam	48	110,308	-	-	-	-	110,308
Guam Memorial Hospital Authority	3 2	38,831	34,343	26	26	13,804	87,030
Guam Environmental Protection Agency Total Semi-Autonomous Agencies	53	545 149,684	34,343	26	26	13,804	545 197,883
Total Semi-Autonomous Agencies		143,004	04,040		20	10,004	137,000
Line Agencies (Active)							
Department of Education	52	509,950	359,378	200,561	9,807	573	1,080,269
Department of Corrections	9	76,676	-	-	-	-	76,676
Department of Chamorro Affairs	7	43,794	21,081	-	-	-	64,875
Department of Parks & Recreation	15	34,321	7,855	6,191	-	-	48,367
Department of Public Works	10	30,140	1,923	5,348	-	-	37,412
Guam Fire Department	11	6,540	262	-	-	-	6,802
Department of Military Affairs/GUARNG	1	5,728	-	-	-	-	5,728
Department of Public Health & Social Services	9 7	2,756	1,305	150	28	-	4,240
Department of Agriculture Guam Police Department	7	4,049	26	1	-	-	4,076
Department of Mental Health and Substance	4	3,813 2,058	-	-	-	-	3,813 2,058
Department of Customs & Quarantine	1	428	428	428	428	-	1,713
Department of Youth Affairs	3	1,658	420	-	420		1,658
Department of Administration	3	234	210	259	_	-	703
Guam Public Library	6	523	117	-	_	_	640
Guam Visitors Bureau	2	540	-	_	_	_	540
Guam Homeland Security/Civil Defense	1	412	-	-	-	-	412
Guam Energy Office	1	221	-	-	-	-	221
Office of Technology	1	168	-	-	-	-	168
							-
							-
Total Line Agencies	150	724,010	392,584	212,938	10,263	573	1,340,369
		-	•	•			•
Other Government of Guam Entities (Active)							
Mayors Council of Guam	62	15,105	9,449	356	12	-	24,922
Agat Mayor's Office	1	1,710	335	-	-	-	2,046
The Office of the Dededo Mayor	1	340	-	-	-	-	340
Merizo Mayor	1	111	=	-	-	-	111 -
							-
Total Other Government of Guam Entities	65	17,267	9,784	356	12	-	27,419
Total as of September 30, 2022 (Active)	320	1,091,869	466,005	224,864	10,368	276,827	2,069,933

Guam Waterworks Authority Accounts Receivable - Government (Inactive) **GUAM WATERWORKS AUTHORITY** Accounts Receivable Aging Summary by Rate Class As of September 30, 2022

SCHEDULE I

0%

13%

2%

6%

0%

13%

0%

45%

100%

Total

41.677

246,049

833,168

1,972,350

6,704,058

15,057,166

7,479

7,409

1,908,901

\$ 3,336,076

ACTIVE AND INACTIVE

		AGING						
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	439	\$ 2,095,753	\$ 467,029	\$ 225,177	\$ 10,368	\$ 1,145,152	\$ 3,943,479	20%
Agriculture	415	28,786	4,779	2,022	1,195	32,128	68,910	0%
Commercial I	2,660	1,428,442	84,073	61,855	41,390	516,911	2,132,671	11%
Commercial II	34	240,029	378	300	90	5,252	246,049	1%
Commercial III	295	471,150	28,003	26,606	22,172	332,372	880,303	4%
Golf Course	16	7,479	-	-	-	-	7,479	0%
Hotel	56	1,590,255	35,030	37,908	19,256	291,196	1,973,645	10%
Irrigation	44	2,898	297	301	1,389	16,299	21,186	0%
Residential	47,330	4,527,061	801,133	477,357	261,566	4,830,770	10,897,887	54%
	51,289	10,391,853	1,420,722	831,527	357,427	7,170,080	20,171,609	100%
		E20/	70/	40/	20/	269/		

Less Allowance for Doubtful Accounts: Net Accounts Receivable:

(9,753,074)

39

Days Receivables Outstanding

ACTIVE ONLY

Rate Class

Government

Agriculture

Commercial I

Commercial II

Commercial III

Golf Course

Hotel

Irrigation

Residential

No. of

Accounts

393

34

284

16

55

33

40,225

43,980

2,506

Current

28.725

1,423,538

240,029

471,150

1.590.255

3,918,258

9,778,085

7,479

2,898

65%

434 \$ 2,095,753

As of August 31, 2022

7.0 017.tagaot 0	.,			AGING				
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	434	\$ 1,565,362	\$ 386,072	\$ 126,400	\$ 8,463	\$ 564,768	\$ 2,651,066	18%
Agriculture	394	18,919	4,507	2,507	649	4,908	31,489	0%
Commercial I	2,499	424,387	204,370	54,848	38,330	309,633	1,031,568	7%
Commercial II	34	231,559	300	185	-	5,490	237,534	2%
Commercial III	283	438,061	76,363	25,634	21,997	274,315	836,370	6%
Golf Course	16	6,149	-	-	-	-	6,149	0%
Hotel	55	1,486,527	124,759	32,225	17,800	289,089	1,950,401	14%
Irrigation	33	3,459	479	1,401	1,506	1,017	7,862	0%
Residential	40,177	4,873,625	706,467	319,270	235,640	1,517,620	7,652,622	53%
	43,925	9,048,049 63%	1,503,317 10%	562,470 4%	324,385 2%	2,966,840 21%	14,405,060	100%

AGING

61 - 90

days

225,177

2.007

57,252

26,606

37.908

359,315

708,867

301

5%

300

91 - 120

days

\$ 10,368

1.195

40,835

22,107

19.256

1,389

2%

Less Allowance for Doubtful Accounts: ___(9,753,074)

Net Accounts Receivable:

200,366

295,607

Over 120

days

537,809

303,458

285,302

289.901

1,544,791

2,974,025

2,523

20%

4.990

5,252

31 - 60

days

466,969

4.759

83,818

28,003

35,030

681,328

1,300,583

297

9%

378

Less Allowance for Doubtful Accounts: (9,582,203) Net Accounts Receivable: 4,822,857

As of August 31, 2022

As of August 31, 2022	AGING							
Rate Class	No. of Accounts	Current	31 - 60 days	61 - 90 days	91 - 120 days	Over 120 days	Total	
Government	440	\$ 1.580.527	\$ 386.072	-	\$ 8.670	\$ 1.171.903		17%
Agriculture	419	19,007	4,594	2,582	771	33,202	60,157	0%
Commercial I	2,695	425,431	208,853	56,437	39,353	571,218	1,301,292	7%
Commercial II	34	231,559	300	185	-	5,490	237,534	1%
Commercial III	301	443,217	88,601	27,033	22,251	333,318	914,421	5%
Golf Course	16	6,149	-	-	-	-	6,149	0%
Hotel	56	1,486,527	124,759	32,225	17,800	290,384	1,951,696	10%
Irrigation	51	3,459	479	1,401	1,551	16,042	22,932	0%
Residential	49,419	4,983,636	820,231	377,863	363,387	5,498,159	12,043,276	61%
	53,431	9,179,512	1,633,891	624,127	453,783	7,919,716	19,811,030	100%
		46%	8%	3%	2%	40%		

Less Allowance for Doubtful Accounts:

Net Accounts Receivable: 10,228,826

Days Receivables Outstanding

(9,582,203)

GUAM WATERWORKS AUTHORITY Accounts Payable Aging

SCHEDULE J

As of	AGING											
		Current	3	31 - 60 Days		61 - 90 Days	,	91 - 120 Days	> 120 Days		Total	Days Payable Outstanding
September 30, 2022	\$	1,156,526	\$	2,642,201	\$	95,002	\$	60,215	277,633	\$	4,231,576	
		27%		62%		2%		1%	7%		100%	31
August 31, 2022	\$	2,786,058	\$	1,968,479	\$	77,625	\$	22,532	\$ 211,534	\$	5,066,229	
		55%		39%		2%		0%	4%		100%	36
July 31, 2022	\$	3,381,698	\$	370,335	\$	84,241	\$	56,261	\$ 186,501	\$	4,079,036	
• •	·	83%		9%	•	2%		1%	5%	•	100%	32

GUAM WATERWORKS AUTHORITY WATER DEMAND BY RATE CLASS FY2015 - FY2022

SCHEDULE K

					AUDITED				UNAUDITE	<u>ED</u>
CL	ASS	FY2015 TOTAL CONSUMPTION (kGal)	FY2016 TOTAL CONSUMPTION (kGal)	FY2017 TOTAL CONSUMPTION (kGal)	FY2018 TOTAL CONSUMPTION (kGal)	FY2019 TOTAL CONSUMPTION (kGal)	FY2020 TOTAL CONSUMPTION (kGal)	FY2021 TOTAL CONSUMPTION (kGal)	FY2022 CONSUMPTION (kGal)*	% Inc / (Dec.)
R	Residential	3,415,662	3,429,689	3,206,811	3,313,613	3,359,905	3,712,723	3,622,617	3,450,574	-5%
С	Commercial	1,020,089	1,022,890	964,639	910,905	906,192	822,029	786,054	818,460	4%
F	Federal	1,168	1,180	2,508	1,813	1,602	1,338	2,069	1,389	-33%
G	Government	515,974	475,366	448,430	450,165	405,980	408,502	404,026	470,581	16%
н	Hotel	999,116	1,008,087	1,004,525	989,723	1,079,919	714,161	448,034	462,757	3%
G	Golf	6,850	6,770	5,252	2,741	2,793	5,835	2,855	3,796	33%
Α	Agriculture	67,376	78,628	69,482	81,127	90,803	84,492	68,805	65,719	-4%
ı	Irrigation	10,385	11,351	10,143	8,504	7,896	8,654	5,404	4,888	-10%
	GRAND TOTAL	6,036,620	6,033,960	5,711,790	5,758,590	5,855,091	5,757,733	5,339,864	5,278,164	-1%

^{*}FY2022 is annualized for 9 months.

Guam Waterworks Authority System Development Charges Project Status As of September 30, 2022

SCHEDULE L

	Total
Funding Summary	
Water	7,563,710
Wastewater	7,969,027
	\$ 15,532,737
	\$ 534,126
Total available project funds	\$ 16,066,863
Total project expenditures and encumbrances	 11,267,652
Total unobligated project funds	\$ 4,799,211

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	1,151,116	2,854	1,153,971
Central Guam Reservoirs	274,240	5,800	280,040
Line Replacement Phase IV	256,937	=	256,937
Northern District WWTP	4,646,340	1,653,369	6,299,709
Northern District WWTP (Land Purchase)	1,000,000	=	1,000,000
Route 4 Relief Sewerline Rehab & Replacement	519,227	74,641	593,869
South Paulino Heights Waterline Upgrade	84,056	4,714	88,770
Talofofo Sewer Improvement	-	241,142	241,142
Umatac Merizo WWTP	-	0	0
Groundwater Well Production Meter Rep.	113,543	37,664	151,207
	\$ 9,247,467	\$ 2,020,185	\$ 11,267,652

Future planned projects	FY	2023-2025
Water Distribution System Pipe Replacement & Upgrades Capacity Enhancement - Well Development and Construction Progra Well Repair Program		1,000,000 394,000 200,000
	\$	1,594,000



Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913 Tel: (671) 300-6846/7

Issues for Decision

Resolution No. 01-FY2023

Relative to Approval of the Southern SSES Rehabilitation Phase II (Baza Gardens – Santa Rita – Talofofo) Construction Contract Increase (S15-001-EPA)

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

The intent of this resolution is to increase the funding authorization amount by \$93,681.09 to execute upcoming Change Order 10 and provide an additional contingency amount for Propacific Builder Corporation's (PPBC) services to perform further archaeological work if artifacts are found.

Change Order 10 will allow PPBC to purchase and install a davit crane, solids basket, and concrete standing pad at the sewer lift station to assist in performing preventive maintenance. The final cost proposal for Change Order 10 is anticipated to be submitted soon and expected to be no more than \$70,000.00. These items were not included in the lift station's original scope of work. The project's remaining authorized contingency is \$18,561.11, resulting in an additional authorized amount of \$51,438.49 required for Change Order 10.

The Archaeological work required by the State Historical Preservation Office will be started under previously-authorized funding. An additional contingency amount of \$42,242.20 is requested in the event archaeological artifacts are found and PPBC's services are needed to perform additional investigations up to 20 days. GWA will only compensate PPBC for the actual time and materials used to perform additional archaeological activities.

Where is the location?

Hyundai Subdivision, Santa Rita

How much will it cost?

The requested funding authorization increase is \$93,681.09. The funding increase would bring the total authorized funding amount to \$1,402,477.59.

When will it be completed?

The project is anticipated for completion in February 2023.

What is the funding source?

United States Environmental Protection Agency Title 2 Construction Grants

The RFP/BID responses (if applicable):

NA



CONSOLIDATED COMMISSION ON UTILITIES

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

GWA RESOLUTION NO. 01-FY2023

RELATIVE TO APPROVAL OF THE SOUTHERN SSES REHABILITATION PHASE II (BAZA GARDENS – SANTA RITA – TALOFOFO) CONSTRUCTION CONTRACT INCREASE (\$15-001-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 ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the CCU approved Resolution No. 42-FY2016 (Exhibit A) and GWA subsequently awarded a construction contract to Propacific Builder Corporation ("PPBC") to repair and/or replace gravity sewer lines and manholes subjected to Infiltration and Inflow in the Baza Gardens, Santa Rita, and Talofofo in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00) with a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty-One Dollars and Fifty Cents (\$118,981.50) for a total authorized funding amount of One Million Three Hundred Eight Thousand Seven Hundred Ninety-Six Dollars and Fifty Cents (\$1,308,796.50); and

WHEREAS, this project is funded by United States Environmental Protection Agency (USEPA) grant funds; and

WHEREAS, there have been eight (8) approved Change Orders and one (1) currently in process totaling One Hundred Thousand Four Hundred Twenty Dollars and Thirty-Nine Cents (\$100,420.39); and

31 //

1	WHEREAS, there are funds remaining in the contract contingency of Eighteen
2	Thousand Five Hundred Sixty-One Dollars and Eleven Cents (\$18,561.11); and
3	
4	WHEREAS, a portion of this project included rehabilitating gravity sewer lines within a
5	delineated wetland that services the Hyundai Subdivision, Santa Rita customers using the Cured-
6	In-Place-Pipeline method; and
7	
8	WHEREAS, due to the unsuccessful installation of the Cured-In-Place Pipeline in the
9	sewer lines servicing the Hyundai Subdivision customers, PPBC agreed to design, through a
10	subcontractor, and construct a new sewer lift station to service these customers in lieu of
11	replacing the gravity sewer; and
12	
13	WHEREAS, GWA has requested PPBC to purchase and install a davit crane, solids
14	basket, and concrete standing pad at the sewer lift station, which was not initially included in the
15	lift station's construction scope of work, to assist in performing preventive maintenance; and
16	
17	WHEREAS, a final cost proposal for this additional work is anticipated to be submitted
18	soon and is expected not to exceed Seventy Thousand Dollars (\$70,000.00); and
19	
20	WHEREAS, this additional scope of work will be added to the contract through
21	anticipated Change Order 10; and
22	
23	WHEREAS, in order to execute Change Order 10, the approved funding authorization
24	amount must be increased by Fifty-One Thousand Four Hundred Thirty-Eight Dollars and
25	Eighty-Nine Cents (\$51,438.89); and
26	WHEDDAG GWA III at a Control and a control a
27	WHEREAS, GWA will negotiate fees with PPBC to ensure that necessary costs are
28	justifiable and reasonable; and
29	WHEREAS DDDC will start additional archaeological activities required by the State
30	WHEREAS, PPBC will start additional archaeological activities required by the State
31	Historical Preservation Office under a previously-approved funding authorization; and
	2

WHEREAS, additional funds may be necessary to cover PPBC's services to perform the
additional archaeological activities if archaeological artifacts are discovered; and
WHEREAS, GWA estimates that should archaeological artifacts be found during the
archaeological activities, PPBC's services may be needed for up to twenty (20) additional days at
a daily rate not to exceed Two Thousand One Hundred Twelve Dollars and Eleven Cents
(\$2,112.11) for an estimated total of Forty-Two Thousand Two Hundred Forty-Two Dollars and
Twenty Cents (\$42,242.20); and
WHEREAS, GWA will verify and only compensate PPBC for the actual time and
materials used to perform the additional archaeological activities; and
WHEREAS, GWA seeks CCU approval of a funding increase authorization in the
amount not to exceed Ninety-Three Thousand Six Hundred Eighty-One Dollars and Nine Cents
(\$93,681.09), for a total funding authorization of One Million Four Hundred and Two Thousand
Four Hundred Seventy-Seven Dollars and Fifty-Nine Cents (\$1,402,477.59); and
WHEREAS, the increase in authorized funding will be provided by USEPA grants; and
NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities
does hereby approve the following:
1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the funding authorization increase in the amount of
Ninety-Three Thousand Six Hundred Eighty-One Dollars and Nine Cents
(\$93,681.09) is needed, warranted, and justified to complete the work under
this contract.
3. The CCU hereby authorizes the expenditure of up to an additional Ninety-
Three Thousand Six Hundred Eighty-One Dollars and Nine Cents
(\$93,681.09) for anticipated Change Order 10 and, if necessary, additional
services by PPBC to perform additional archaeological work.
3

1	4. The CCU hereby authorizes the total funding amount of this contract to be
2	One Million Four Hundred and Two Thousand Four Hundred Seventy-Seven
3	Dollars and Fifty-Nine Cents (\$1,402,477.59).
4	5. The CCU hereby further authorizes the management of GWA to execute
5	anticipated Change Order 10 once costs are deemed justifiable and reasonable.
6	
7	RESOLVED, that the Chairman certified, and the Board Secretary attests to the adoption
8	of this Resolution.
9	
10	DULY AND REGULARLY ADOPTED , this 25 th day of October 2022.
11	
12	Certified by: Attested by:
13	
14	
15	JOSEPH T. DUENAS PEDRO ROY MARTINEZ
16	Chairperson Secretary
17	
18	SECRETARY'S CERTIFICATE
19	
20	I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on
21	Utilities as evidenced by my signature above do hereby certify as follows:
22	The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities,
23	duly and legally held at a place properly noticed and advertised at which meeting a
24	quorum was present and the members who were present voted as follows:
25 26	quotum was present and the members who were present voted as follows.
27	AYES:
28	NAYS:
29	ABSENT:
30	ABSTAIN:
31	
	4

EXHIBIT A

GUAM CONSOLIDATED COMMISSION ON UTILITIES

RESOLUTION NO. 42-FY2016

RELATIVE TO CONTRACT APPROVAL FOR THE SOUTHERN SSES REHABILITATION -- PHASE II (BAZA GARDENS, SANTA RITA, TALOFOFO) PROJECT W15-001-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 ("GWA") 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 repair and rehabilitate the water and wastewater system infrastructure; and

WHEREAS, GWA has a number of important USEPA State Revolving Fund projects including the rehabilitation and repair of approximately 1,600 linear feet of gravity sewer pipeline and 35 sewer manholes to address Infiltration and Inflow (I&I) in the villages of Baza Gardens, Santa Rita, and Talofofo which the Program Management Office (Brown and Caldwell), completed design drawings and specifications for; and

WHEREAS, the intent of this project is to reduce I&I within the wastewater collection system and decrease the volume of storm water that enters into the collection system tributary to the Baza Gardens and Agat-Santa Rita WWTPs causing GWA to incur additional costs to operate the sewer pump stations and treatment plants; and

WHEREAS, GWA has advertised the Invitation to Bid (IFB-04-ENG-2016) for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo) soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the aforementioned villages; and

 WHEREAS, this phase of work consists of furnishing all labor, tools, equipment and materials, as well as coordination efforts with GWA, DPW, etc., that are necessary to eliminate and prevent I&I from entering into the wastewater collection system; and

WHEREAS, IFB packages were obtained by multiple interested parties, from which GWA received bid proposals from three (3) parties (SEE EXHIBIT A – Abstract of Bids, page 3 of 9) before the bid proposal deadline; and

WHEREAS, GWA's PMO analyzed the bid proposal received (SEE EXHIBIT A – Bid Analysis, page 5 of 9) on May 20, 2016 and determined that Propacific Builder Corporation, who submitted the lowest bid as responsive and responsible and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management seeks CCU approval of Propacific Builder Corporation's bid proposal (SEE EXHIBIT A – Bid Proposals, page 8 of 9) in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00), plus a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty One Dollars and Fifty Cents (\$118,981.50) to bring the total authorized funding amount to a maximum of One Million Three Hundred Eight Thousand Seven Hundred Ninety Six Dollars and Fifty Cents (\$1,308,796.50); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA 2013 and 2015 Bond funds under CIP Line Item WW 09-06 Wastewater Collection System Replacement/Rehabilitation; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, subject to the review and approval of the Public Utilities Commission, does hereby approve the following:

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

- The CCU finds that the terms and conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
- The CCU hereby authorizes the management of GWA to enter into a contract with Propacific Builder Corporation in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00).
- 5. The CCU hereby further approves the total funding amount for this project of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00), plus a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty-One Dollars and Fifty Cents (\$118,981.50), to bring the total authorized funding amount to a maximum of One Million Three Hundred Eight Thousand Seven Hundred Ninety-Six Dollars and Fifty Cents (\$1,308,796.50).

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

DULY AND REGULARLY ADOPTED, this 7th day of June 2016.

SA T.O.

JOSEPH T. DUENAS

Chairperson

Certified by:

Attested by:

J. GEORGE BAMBA

Secretary

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

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

AYES:

NAYS:

ABSTENTIONS:

D

ABSENT:



Exhibit A (1 of 9)

414 W Soledad Avenue, Suite 907 Hagatna, GU 96910

T: 671.477.0975



May 31, 2016

Mr. Thomas Cruz Chief Engineer Guam Waterworks Authority Gloria B. Nelson Public Service Building 688 Route 16 Mangilao, Guam 96913

145437

Subject: Letter of Recommendation for Construction Services for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo); GWA Project Number S15-001-EPA

Dear Mr. Cruz:

Brown and Caldwell (BC)—upon reviewing the bid proposals from all interested parties for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo) project—determines that Propacific Corporation is the apparent lowest bidder with a proposed bid of \$1,189,815. BC recommends executing a contract with Propacific Builder Corporation to provide construction services for the aforementioned project as their bid proposal was within reason for the scope of the project. Table 1 below summarizes the proposed bids from all interested parties and Attachment 2 details each parties' project bids.

Lastly, BC has verified that Propacific Builder Corporation submitted all required documents to be qualified and considered for this project.

Table 1: Bid Summary

Bidder	Total Bid	Variance
Engineer Cost Estimate	\$1,611,222.00	_
Propacific Builder		
Corporation	\$1,189,815.00	26%
PacificRIM Constructors,		
Inc.	\$1,495,000.00	7%
Reliable Builders, Inc.	\$1,513,000.00	6%

Exhibit A (2 of 9)

414 W Soledad Avenue, Suite 907 Hagatna, GU 96910

T: 671.477.0975

If you have any questions, please call me at (671) 477-0975.

Respectfully Submitted,

Brown and Caldwell

Kurt Bilz, P.E. Project Manager Supervising Engineer

KRB:jbc

cc: Joseph Claveria, Brown and Caldwell Gloria Bensan, Guam Waterworks Authority

Attachments:

- 1. GWA Abstract of Bids
- 2. Bid Analysis
- 3. Propacific Builder Corporation

Exhibit A (3 of 9)

Attachment #1 - GWA Abstract of Bids

Prepared for Guam Waterworks Authority

Brown No Caldwell

Exhibit A (4 of 9)

							òo.	7.	6.	5	4.	'n	2.	۲		Proje
Bids Opened and Read by: WITE WAR COUNTUM (Prame and Signature)	GWA Estimate						HSG CO. LTD.	REX INTERNATIONAL, INC.	RELIABLE BUILDERS, INC.	PACIFIC RIM CONSTRUCTION	BASCON CORPORATION	MEGA UNITED CORPORATION	PROPACIFIC BUILDER CORPORATION	POLYPHASE SYSTEM INC.	Bidders Name	Project Number: IFB-04-ENG-2015; S15-001-EPA
Michael Mallish Quara (Name and Signature)							no hid submitted	no bid subwilliams	15% of accompanied high	15 % on that brid amount	by hid submitted	no bith subjustful	Westchester Fire Insumma Company	no hid chamillal	Section A-S Bid Bond	IFB-04-ENG-2015; \$15-001-EPA
									<	<			<	•	Bidder Qualification Form	
GWA Procu									<	<			<		Non- Collusion Affidavit	
Warn Frocurement Representative:									<	<			/		EED Certification	
asentative:									<	<			<		Non- Segrageted Facilities	6
1/2									4	<			5		Wage & Sex Olfender Benefit Certification Determination	CERTIFICATIONS
Witnesses:									<	<			<			SINC
									<	<			<		Major Shareholders Affidavit	
I and P.									<	4			<		Special Instructions to Bidders	Bid Opening Time:
1 11 12									\	1			8		1 Add	ng Ti
加工			<u> </u>	\vdash	_	_	_	_	1	1	_		<		Addendum 1 2 3	me:
Sed 9 IX	\ <u></u>	1	\vdash	-		-	+	+-	+07	5	-		+-		ω H	니,,,
A SE	\$1,611.222.00								\$ 1,513,000.00	\$1,495,000.00			\$1,189,815.00		BID AMOUNT	3:00 p.m.

ORIGINAL

Exhibit A (5 of 9)

Attachment #2 - Bid Analysis

Prepared for Guam Waterworks Authority

Brown Mo Caldwell

Exhibit A (6 of 9)

												2 Sar	1 Sar	IX. Ins	4 Sar	3 Sar	2 Sar		-			1 Me	VI. Cle														1					3 Ma	2 Pro		, Mo	i. Gei	Item #		
a sun veccet interior of sections (14 - 10	Seal and Bernat Manhole A-feet Diameter (14' - 15'	Seal and Recoat Manhole 4-feet Diameter (12' - 14'	Seal and Recoat Manhole 4-feet Diameter (10' - 12'	Seal and Recoat Manhole 4-feet Diameter (8' - 10'	Seal and Recoat Manhole 4-feet Diameter (6' - 8' depth)	Seal and Recoat Manhole 4-feet Diameter (0 - 6' depth)	Replace Existing Mannole, Frame and Lover (paved	oc manipule of recommendence	Raise Manhole 3-feet Above Grade	Sanitary Manhole Rehabilitation	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	Sanitary Sewer Main 8-inch Diamter (8' to 10' depth)	Install/Replace Sanitary Sewer (Off Roads)	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	Sanitary Sewer Main 8-inch Diameter (6' to 8' depth)	Sanitary Sewer Main 8-inch Diameter (0 to 6' depth)	install/Replace Sanitary Sewer (In Roads)	CCTV Inspection Sanitary Sewer Mains (8" to 12"	CCTV Sanitary Sewers	Medium Cleaning Sanitary Sewer Mains (8" to 12"	Cleaning Sanitary Sewers	Remove Existing Manhole	Remove Existing Pipe	Abandon or Remove Pipe/Structure	Bypass Pumping for Sanitary Sewer Mains (6" to 12")	Bypass Pumpine	Concrete Curb and/or Curb & Gutter Replacement	Asphalt Roadway Replacement (2"- 4" thick w/base)	Road Crossing Pavement Restoration	Milling and Resurfacing	Concrete base (6" thick)	Road Work	Site Restoration	Fill Dirt	Unsuitable Materials Disposal	Erosion and Sediment Control	Site Clearing	Site Work	Archaeological Study Allowance Per Section 01015	Maintenance of Traffic	Project Record Documents (a minimum of 1% of the total of all bid items).	exceed 5% of the total of all bid items).	Mobilization, Demobilization, Bonds, and Permits (not to	General	DESCRIPTION		
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\$ 14,000.00			ţ,	45			to 10,000,00 c		S				\$ 5,250.00 \$		\$ 16,500.00			\$ 17,200.00 \$		\$ 150,000.00		\$ 160,000.00		\$ 3,600.00			\$ 5,000.00					\$ 12,000.00 \$			(A)		\$ 2,000.00				20,000.00	5,000.00	\$ 11,600.00		\$ 58,000.00		BUILDER	JISTONACIBA	Event
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GUAM WATERWORKS AUTHORITY Southern SSES Rehabilitation - Phase II (Baza Gardens, Santa Rita, Talofofo) Bid Schedule_Revision 2 Bid Tabulation

Exhibit A (7 of 9)

Definitions:
AC-Acre
LS-Lump Sum
CY-Cubic Yard
SY-Square Yard
LF-Linear Feet

		XIII.	_	XI.	60	v	4	ω	2	1	Item#	
TOTAL	Wetland Access (Sheet AG-101)	Special Site Access Conditions	Sanitary Sewer Main CIPP Liner (8" diameter)	Cured-in-Place Pipe (CIPP) Liner	Install/Repair/Replace Sanitary Sewer Cleanout (Conc. Pavement)	Install/Repair/Replace Sanitary Sewer Cleanout (Asphalt Pavement)	Install/Repair/Replace Sanitary Sewer Cleanout (Grass Area)	Install/Repair/Replace 4" Sanitary Sewer Lateral (6' to 10' depth @ main)	Install/Repair/Replace 4" Sanitary Sewer Lateral (0 to 5' depth @ main)	Reinstate Sanitary Sewer Lateral (CIPP)	DESCRIPTION	
	1,100		1,610		4	4	4	00	4	10	ESTIMATED QTY.	
	5		두		E	E	E	E	E	S	UNIT	
	\$ 250 \$		\$ 300 \$		\$ 1,500 \$	\$ 1,500 \$	\$ 750	\$ 3,750 \$	\$ 2,500 \$	\$ 3,000 \$	ENGINEER UNIT PRICE	
					\$ 1,500 \$	\$ 1,500 \$	\$ 1,200 \$	\$ 1,500 \$	\$ 800		PROPACIFIC BUILDER CORPORATION	Uni
	150 \$ 9.00 \$		120 \$ 302.00 \$		3 \$ 2,056.00 \$	\$ 2,056.00 \$	\$ 1,784.00 \$	\$ 4,437.00 \$	\$ 3,483.00 \$	120 \$ 2,917.00 \$	PACIFIC RIM CONSTRUCTORS, INC.	Unit Price
	\$ 249.10 \$		\$ 250.00 \$		\$ 367.00	\$ 397.00	\$ 270.00	\$ 3,594.00 \$	\$ 2,329.00	\$ 1,095.00 \$	RELIABLE BUILDERS, INC	
\$ 1,611,222 \$	\$ 275,000.00 \$		\$ 483,000.00 \$		\$ 6,000.00	\$ 6,000.00 \$	\$ 3,000.00	\$ 30,000.00 \$	\$ 10,000.00 \$	\$ 30,000.00 \$	ENGINEER'S	
\$ 1,189,815 \$	\$ 165,000.00 \$		\$ 193,200.00 \$		\$ 6,000.00 \$	\$ 6,000.00 \$	\$ 4,800.00	\$ 12,000.00 \$	\$ 3,200.00 \$	\$ 1,200.00 \$	PROPACIFIC BUILDER CORPORATION	Extend
\$ 1,495,000 \$	\$ 9,900.00 \$		\$ 486,220.00 \$		8,224.00	\$ 8,224.00 \$	\$ 7,136.00 \$	\$ 35,496.00 \$	\$ 13,932.00 \$	\$ 29,170.00 \$	PACIFIC RIM CONSTRUCTORS, INC.	Extended Price
\$ 1,513,000	\$ 274,010.00		\$ 402,500.00		\$ 1,468.00	\$ 1,588.00	\$ 1,080.00	\$ 28,752.00	\$ 9,316.00	\$ 10,950.00	RELIABLE BUILDERS, INC	

GLIAM WATERWORKS AUTHORITY
Southern SSES Rehabilitation - Phase II (Baza Gardens, Santa Rita, Talofofo) Bid Schedule_Revision 2
Bid Tabulation

Exhibit A (8 of 9)

Attachment #3 - Bid Proposals

Prepared for Guam Waterworks Authority

Brown AND Caldwell

Exhibit A (9 of 9)

Created by Online2PDF.com

item#	DESCRIPTION	ESTIMAT	ED	UNIT	UNIT	EXTE	NDED PRICE
		PRICE Q	Υ.				
<u>l.</u>	General		ļ	ļ			
1	Mobilization, Demobilization, Bonds, and Permits (not to exceed 5% of the total	1	LS	\$	-	\$	58,000.00
	of all bid items).			<u> </u>			
2	Project Record Documents (a minimum of 1% of the total of all bid items).	1	LS	\$	-	\$	11,600.00
			_				
3	Maintenance of Traffic	1	LS	\$		\$	5,000.00
4	Archaeological Study Allowance Per Section 01015		<u> -</u>	\$ 2	20,000.00	\$	20,000.00
11.	Site Work		_	ļ			
1	Site Clearing	1.50	AC	\$	2,500.00		3,750.00
1	Erosion and Sediment Control	1	LS	\$	5,000.00		5,000.00
2	Unsuitable Materials Disposal	80	CY	\$	25.00		2,000 00
3	Fill Dirt	80	CY	\$	25.00		2,000 00
4	Site Restoration	1.50	AC	\$	1,500.00	\$	2,250 00
	Road Work						
1	Concrete base (6" thick)	53	SY	\$	80.00		4,240 00
2	Milling and Resurfacing	240	SY	\$	50.00		12,000.00
3	Road Crossing Pavement Restoration	12	SY	\$	150.00		1,800 00
4	Asphalt Roadway Replacement (2"- 4" thick w/base)	240	SY	\$	150.00		36,000.00
5	Concrete Curb and/or Curb & Gutter Replacement	90	LF	\$	35.00	\$	3,150.00
IV.	Bypass Pumping			ļ			
1	Bypass Pumping for Sanitary Sewer Mains (6" to 12")	1	LS	\$	5,000.00	\$	5,000.00
V.	Abandon or Remove Pipe/Structure						
1	Remove Existing Pipe	210	LF	\$	75.00	\$	15,750.00
22	Remove Existing Manhole	3	EΑ	\$	1,200.00	\$	3,600.00
VI.	Cleaning Sanitary Sewers						
1	Medium Cleaning Sanitary Sewer Mains (8" to 12" diameter)	2,000	LF	\$	80.00	\$	160,000.00
VII.	CCTV Sanitary Sewers						
1	CCTV Inspection Sanitary Sewer Mains (8" to 12" diameter)	2,000	LF	\$	75.00	\$	150,000.00
VIII.	Install/Replace Sanitary Sewer (In Roads)				-		
1	Sanitary Sewer Main 8-inch Diameter (0 to 6' depth)	86	LF	\$	200.00	Ś	17,200.00
2	Sanitary Sewer Main 8-inch Diameter (6' to 8' depth)	17	LF	\$	225.00		3,825.00
3	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	30	LF	\$	250.00		7,500.00
4	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	60	LF	\$	275.00		16,500.00
IX.	Install/Replace Sanitary Sewer (Off Roads)		1	ř	275100		10,500.00
1	Sanitary Sewer Main 8-inch Diamter (8' to 10' depth)	30	LF	\$	175.00	Ś	5,250.00
2	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	30	LF	ŝ	200.00		6,000.00
3	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	60	LF	Ś	225.00		13,500.00
X.	Sanitary Manhole Rehabilitation		-	1	223.00	-	13,300.00
1	Raise Manhole 3 feet Above Grade	5	EA	\$	5,000.00	ė	25,000.00
2	Replace Existing Manhole, Frame and Cover (paved areas)	3	EA	Ś	4,500.00		13,500.00
3	Seal and Recoat Manhole 4-feet Diameter (0 - 6' depth)	3	EA	\$	3,500.00		10,500.00
4	Seal and Recoat Manhole 4-feet Diameter (6' - 8' depth)	14	EA	_			
5	Seal and Recoat Manhole 4-feet Diameter (8' - 10' depth)	7	EA		5,000.00		70,000.00
6				\$	5,500.00		38,500.00
7	Seal and Recoat Manhole 4-feet Diameter (10' - 12' depth) Seal and Recoat Manhole 4-feet Diameter (12' - 14' depth)	5	EA	\$	6,000.00		30,000.00
8		4	EA	\$	6,500.00		26,000.00
	Seal and Recoat Manhole 4-feet Diameter (14' - 16' depth)	2	EA	\$	7,000.00	\$	14,000.00
XI.	Sanitary Service Laterals and Cleanouts			-			
1	Reinstate Sanitary Sewer Lateral (CIPP)	10	EA	\$	120.00		1,200.00
2	Install/Repair/Replace 4" Sanitary Sewer Lateral (0 to 5' depth @ main)	4	EA	\$	800.00	\$	3,200.00
3	Install/Repair/Replace 4" Sanitary Sewer Lateral (6' to 10' depth @ main)	8	EA	\$	1,500.00	\$	12,000.00
4	Install/Repair/Replace Sanitary Sewer Cleanout (Grass Area)	4	EA	\$	1,200.00	\$	4,800.00
5	Install/Repair/Replace Sanitary Sewer Cleanout (Asphalt Pavement)	4	EA	\$	1,500.00	\$	6,000.00
			l			4/2	
ltem#	DESCRIPTION	ESTIMAT	ED	UNIT	UNIT		EXTENDED PRICE
		PRICE QT	Υ.				
6	Install/Repair/Replace Sanitary Sewer Cleanout (Conc. Pavement)	4	EA	\$	1,500.00	\$	6,000.00
al marine					-	Sec.	
XII.	Cured-In-Place Pipe (CIPP) Liner	DOLL TO					
1	Sanitary Sewer Main CIPP Liner (8" diameter)	1,610	L.F.	\$	120.00	\$	193,200.00
1			_	_		_	
	Special Site Access Conditions						
XIII.	Special Site Access Conditions Wetland Access (Sheet AG-101)	1.100	L.F.	Ś	150.00	Ś	165,000,00
XIII.		1,100	L.F.	\$	150.00	\$	165,000.00

Definitions:

AC-Acre

LS-Lump Sum CY-Cubic Yard SY-Square Yard LF-Linear Feet



Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913 Tel: (671) 300-6846/7

Issues for Decision

Resolution No. 03-FY2023

Relative to Requesting Approval to Procure Construction Services Relative to the Ugum Surface Water Treatment Plant Rehabilitation

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

The Ugum Surface Water Treatment Plant Rehabilitation (SWTP) is an infrastructure improvement project supported in the GWA Master Plan that will refurbish the existing equipment and systems. Since 2015, the plant was assessed three times by Brown and Caldwell (2015), Du Pont (2021) and DCA (2022). The DCA assessment incorporated analysis of the two earlier reports with its own review and concluded that the plant is in relatively poor operating condition and significant rehabilitation work is needed.

Equipment are failing, some equipment are missing and some equipment are beyond repair and require replacement. The plant operators have been forced to improvise the repair of equipment using inventive alternative methods to keep the plant producing the required daily amount of treated water. This current condition of the equipment limits the plant capability, operability, and reliability. This project is urgently needed to provide efficient and reliable operation of the plant and continued provision of safe drinking water to GWA customers in Southern Guam.

Where is the location?

The Ugum SWTP is located in Talofofo, approximately one-half mile west of Highway 4, south of the village of Yona, and north of Inarajan. The plan provides water to GWA's southern customers.

How much will it cost?

The cost estimate is \$4,626,050.00. This amount includes a 10% contingency.

When will it be completed?

The estimated completion date is 365 calendar days from Notice to Proceed (NTP) date.

What is the funding source?

GWA Bonds

The RFP/BID responses (if applicable):

None



CONSOLIDATED COMMISSION ON UTILITIES

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

GWA RESOLUTION NO. 03-FY2023

RELATIVE TO REQUESTING APPROVAL TO PROCURE CONSTRUCTION SERVICES RELATIVE TO THE UGUM SURFACE WATER TREATMENT PLANT REHABILITATION

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

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

WHEREAS, the Ugum Surface Water Treatment Plant (SWTP) is a critical water source which provides water to much of southern Guam; and

WHEREAS, the Ugum SWTP was originally constructed in 1991; and was retrofitted during the period of 2007 to 2010, and has operated using membrane filtration treatment since March 2011; and

WHEREAS, Duenas Camacho and Associates Inc. has conducted an assessment and prepared a scope of work and cost estimate of the needed capital improvements to the Ugum SWTP and Raw River Intake facility in the amount of Four Million Two Hundred Five Thousand Five Hundred Dollars (\$4,205,500.00), and to include a ten percent (10%) contingency of Four Hundred Twenty Thousand Five Hundred Fifty Dollars (\$420,550.00), the total cost estimate is Four Million Six Hundred Twenty-Six Thousand Fifty Dollars (\$4,626,050.00); and

WHEREAS, the recommended Scope of Work in Exhibit A includes rehabilitation and upgrades to the raw water pumps at the river intake, settling basins, membranes, pipe gallery,

1	generator room, backwash, neutralization tank, sludge tank, thickening system, operations and
2	chemical building, and administration building; and
3	
4	WHEREAS, the proposed rehabilitation is necessary and urgent to improve plant
5	capacity, treatment performance, and provide reliable operation of the water treatment plant; and
6	
7	WHEREAS, GWA management seeks CCU approval to issue a competitive
8	procurement bid to solicit proposals from experienced and qualified construction companies to
9	provide the necessary materials and construction services, and to award the contract to the lowest
10	responsive responsible bidder; and
11	
12	WHEREAS, funding in the amount of Four Million Six Hundred Twenty-Six Thousand
13	Fifty Dollars (\$4,626,050.00) is available through GWA Bonds for construction and capital
14	improvement projects; and
15	
16	WHEREAS, GWA management further seeks CCU approval to submit a petition to the
17	PUC for approval; and
18	
19	WHEREAS, the Public Utilities Commission (PUC) contract protocol requires GWA to
20	obtain approval prior to advertising procurement for projects with an anticipated value of One
21	Million Dollars (\$1,000,000.00) or greater; and
22	
23	WHEREAS, the CCU must approve all petitions that will be submitted to the PUC.
24	
25	NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities
26	does hereby approve the following:
27	1. The recitals set forth above hereby constitute the findings of the CCU.
28	2. The CCU finds that rehabilitation of the Ugum Surface Water Treatment Plant
29	is necessary to ensure the efficient operation of the plant and the continued
30	provision of safe drinking water to GWA customers in Southern Guam.
	2

1	3. The CCU finds that procuren	ment of materials and construction services for the
2	Ugum SWTP rehabilitation i	s necessary.
3	4. The CCU hereby authorizes	the amount for the construction services of the
4	4 Ugum SWTP Rehabilitation	project of Four Million Six Hundred Twenty-Six
5	Thousand Fifty Dollars (\$4,6	226,050.00).
6	5. The CCU hereby further au	athorizes the management of GWA to fund the
7	Ugum SWTP Rehabilitation	n project from GWA funds applicable to the
8	project and other funding sou	arces as they become available.
9	6. The CCU hereby further autl	horizes GWA management to submit a petition to
10	the PUC for the procurement	nt of materials and construction services for the
11	rehabilitation of the Ugum S	WTP.
12	2	
13	RESOLVED, that the Chairman certifie	ed, and the Board Secretary attests to the adoption
14	of this Resolution.	
15	5	
16	DULY AND REGULARLY ADOPTE	ED , this 25 th day of October 2022.
17	7	
18	Certified by:	Attested by:
19	9	
20		
21	JOSEPH T. DUENAS	PEDRO ROY MARTINEZ
22	2 Chairperson	Secretary
23	3 //	
24	4	
25	5 //	
26	6	
27	7 //	
28	3	
29	9 //	
30		
31	1 //	
		3

SECRETARY'S CERTIFICATE I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows: The foregoing is a full, true, and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows: AYES: NAYS: ABSENT: ABSTAIN: /// /// /// /// /// /// ///

Guam Waterworks Authority Ugum Water Treatment Plant Rehabilitation

GWA Project No: _____

Assessment and Procurement Report Removal and Replacement Scope of Work

April 9, 2022

Prepared for:



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

Prepared by:



1.	Intro	oduction Statement	2
2.	Ass	essment Approach	2
3.	Proc	curement and Installation Needs	3
	3.1.	RIVER/INTAKE FACILITY	3
	3.2.	FLOCCULATION/SEDIMENTATION TANKS	4
	3.3.	MEMBRANE CELLS	4
	3.4.	FILTER PIPE GALLERY AND GENERATOR ROOM	5
	3.5.	BACKWASH (HOLDING TANK)	5
	3.6.	NEUTRALIZATION/SLUDGE TANK	5
	3.7.	THICKENER TANK	6
	3.8.	OPERATIONS BUILDING	6
	3.9.	ADMINISTRATION BUILDING	6

Attachments:

- 1. Assessment Photos
- 2. DuPont Report
- 3. Equipment List4. Site Sketches

1. Introduction Statement

Duenas Camacho and Associates (DCA) is contracted with the Guam Waterworks Authority (GWA) to provide program and construction management services. As part this contract, DCA has conducted a site assessment of the Ugum Surface Water Treatment plant (Plant) located in Talofofo, see Figure 1. The assessment was intended to cover the existing condition of the plant with the exception of the: Existing Steel 2.0 million gallon storage tank and the plant control system.

The results of the assessment are presented on this report. These results are to be used as part of a procurement package to repair, replace or upgrade equipment. GWA will issue a notice to bid to contractors for the:

- Demolition and removal works
- Purchase and installation of equipment
- Installation and/or replacement of safety equipment

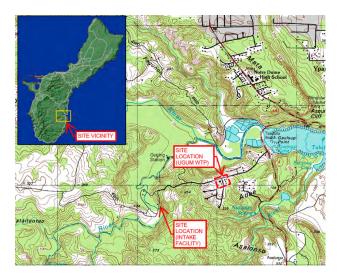


Figure 1: Project Location

2. Assessment Approach

The assessment was conducted in the months of June to August 2021. The project team consisted of process, civil and structural engineers from DCA, Electrical engineers from EMCE, and Mechanical engineer Marvic Acabado. GWA operations staff, Engineers and management assisted in the assessment. The assessment of the plant membranes was conducted by Mr. Charles Heard of DuPont.

Below is a list of the plans and reports provided by GWA and used as part of this assessment:

- 2007 Upgrade Plans Basis of Design
- 1993 As-built Plans
- 2021 Du Pont Assessment Report

The objective of this assessment is to determine existing equipment that can be replaced or repaired in kind. In some cases the replacement will include operation modifications requested by the owner. These modifications are listed in section 3 of this report. This assessment is not intended to address any new parts of the plant that will require design works.

The methodology used for this assessment was:

- Inspect and evaluate all existing equipment
- Take field measurements
- Interview GWA operations and engineering
- Review past plans and record drawings
- Review past assessment reports
- Conduct coordination meetings
- Develop equipment replacement list
- Develop sketches and specifications for replacement works
- Prepare cost estimate
- Provide a listing of future design needs

3. Procurement and Installation Needs

3.1. RIVER/INTAKE FACILITY

- A. Existing (3) intake pumps are old and outdated. Pumps (P100 and P102) will need to be replaced
 - Existing pumps' seals are leaking
 - Pump and motors #1 and #3 will be replaced in kind
 - No additional electrical power supply will be needed because of a one-to-one replacement
 - See attached photo assessment form for existing information.
- B. The VFD for pump #1 was removed to address a waste water emergency and was replaced with MCC. Existing MCC will need to be removed and replaced with VFD. Existing VFD screens for pumps #2 and #3 will need to be replaced in kind.
- C. Existing flowmeter screen is unreadable and will need to be replaced in kind
 - No additional electrical power supply will be needed because of a one-to-one replacement
 - No demolition needed
 - See attached photo assessment form for existing information.

- D. Strainers have been bypassed
 - Strainers shall be removed

3.2. FLOCCULATION/SEDIMENTATION TANKS

- A. Furnish and install two (2) manual sluice gates
 - Sluice gates will be removed and replaced in kind with manual ones
 - Operators will need to be able to operate the new manual sluice gates
 - Water in tanks will need to be removed to replace the sluice gates
 - No electrical supply will be needed as the sluice gates will be operated manually
 - Inv. El. 224.50' 2. Top El. 236.00' 3. Opening 12" 4. Water El. 233.67' 5. Bott. El. 224.00'
 - Contractor will have to bypass at most two of the four basins at any time. Bypassing
 of two basins must be limited to one sedimentation basin and one backwash clarifying
 basin. Existing sluice gates do not hold tight so temporary plugs will have to be placed
 within the drain line.
 - See attached documents for existing pictures and specification
- B. Furnish and install eight (8) sluice gates
 - Sluice gates will be removed and replaced in kind with manual ones
 - Operators will need to be able to operate the new manual sluice gates
 - Water in wells will need to be removed to replace the sluice gates
 - No electrical supply will be needed as the sluice gates will be operated manually
 - Inv. El. 219.33' 2. Top El. 236.00' 3. Opening 6" 4. Water El. 233.67' 5. Bott. El. 219.33'
 - See attached photo assessment form for existing information.
- C. Remove and Replace sludge collection system (chain and flight) at contact basins (2 each) and recycle basins (2 each) total of four (4)
 - Water will need to be removed from the basins to replace the sludge collection system
 - See attached photo assessment form for existing information.
 - See attached documents for specifications for new chain and flight system
- D. Remove and dispose of accumulated sludge.

3.3. MEMBRANE CELLS

- A. Remove and replace membrane equipment, see redacted forms for complete equipment list
- B. Provide variable speed 1-ton chain hoist (2 each) for membrane cell maintenance
 - Variable speed chain hoists will be needed to easily access the membranes for cleaning. Existing hoists are considered a hazard for the workers
 - Existing hoists will need to be replaced from its location and replaced in kind with a variable speed 1-ton chain
 - Electrical power supply will be needed to power the variable speed chain hoist
 - See attached photo assessment form for existing information.
- C. Angle irons holding up metal plates on walkway between filter cells are rusted out and need to be replaced
 - Steel angle iron and plates will be replaced in kind, see attached sketch
 - Electrical power supply not applicable

3.4. FILTER PIPE GALLERY AND GENERATOR ROOM

- A. Replace aluminum door and jamb in the piping room and in the generator room.
 - Remove existing steel door and jamb and replace in kind
- B. Provide butterfly valves actuators and status monitors replacement spares to be turned over to GWA.
 - See attached document for specifications
 - BRAY BUTTERFLY VALVES: MAINLY SERIES 30/31
 - o 2 each 16" Flanged butterfly valves
 - o 3 each 14" Flanged butterfly valves
 - o 4 each 12" Flanged butterfly valves
 - o 2 each 10" wafer style butterfly valves
 - o 4 each 8 " wafer style butterfly valves
 - o 2 each 4" wafer style butterfly valves
 - o 3 each 2" wafer style butterfly valves
 - BRAY PNUEMATIC ACTUATORS
 - o 5 each PART# 92-2100-11300-532
 - o 4 each PART# 92-1600-11300-532
 - o 2 each PART# 92-1270-11300-532
 - o 2 each PART#92-1190-11300-532
 - 4 each PART# 92-1180-11300-532
 - o 4 each PART# 92-0630-11300-532
 - o 2 each PART # 92-1190-11300-532
 - BRAY VALVE STATUS MONITORS
 - o 14 each PART# 50-0406-12610-532

3.5. BACKWASH (HOLDING TANK)

- A. Install new submersible pumps (P301 and P302)
 - The submersible pumps will be replaced in kind
 - Backwash will have to be drained or lowered to a certain level in order for operators to remove the existing backwash and install the new one
 - See attached document for specifications of submersible pump
- B. Remove and install new level sensor/level monitor
 - Level sensors/level monitors (three each) will be replaced in kind
- C. Remove and install new mixer (M301)
- D. Remove and install new magnetic flowmeter
 - Magnetic flowmeter removed and will be replaced in kind
 - No additional electrical power supply needed
- E. Remove and dispose of accumulated sludge

3.6. NEUTRALIZATION/SLUDGE TANK

- A. Install new submersible pump (P401) and nozzles within the tank
 - Water will be drained from the neutralization tank for the submersible pump to be removed
 - Submersible pump and nozzles will be replaced in kind
 - See attached document for spec and information

- B. Replace ORP and pH meter
 - pH meter will be replaced in kind
 - Additional electrical power supply not applicable
 - Future expandability not applicable
- C. Replace level sensor/ level monitors
 - Level sensors/level monitors (three each) will be replaced in kind
- D. Remove and dispose of accumulated sludge

3.7. THICKENER TANK

- A. Remove and replace thickener assembly (M370), see redacted form for equipment list
- B. Remove and replace thickener feed pumps and motors (P371 and P372).
 - Thickener and feed pumps will be removed
 - See attached document for additional information
- C. Remove and dispose of accumulated sludge

3.8. OPERATIONS BUILDING

- A. Remove and replace flow meter and pH meter at sodium hydroxide feed system.
- B. Remove and replace existing feed (piping) including metering pumps, 5 total.
- C. Remove and replace existing 2-ton hydraulic lift system.

3.9. ADMINISTRATION BUILDING

- A. Remove and replace front door
- B. Repair three (3) restrooms.
 - Remove and replace toilet bowl, sinks and exhaust fans complete in place.
- C. Repair leak from roof hatch at control room.

Assessment Photos

(River/Intake Facility) Replace intake pump 1 and 3 pumps and motors



(River/Intake Facility) demolish existing strainers and piping



(River/Intake Facility) Replace variable speed drive screens.



(Flocculation Tank) Replace (2) automatic sluice gates with manual gates



(Sedimentation Tank) Replace (8) automatic sluice gates with manual gates



(Sedimentation Tank) replace sludge collection system



(Membrane Cells) provide (2) variable speed 1-ton chain hoists



(Membrane Cells) replace membrane equipment and install handrail



(Membrane Cells) Replace existing angle irons on walkway



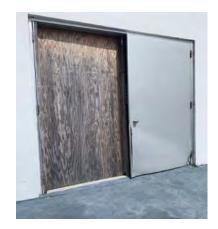
(Pipe Gallery Room) Replace door



(Filter Pipe Gallery) Provide replacement valves and actuators



(Generator Room) Replace door



(Backwash Tank) Replace flowmeter, submersible pump/mixers, install handrails



(Sludge/Neuralization Tank) Replace sensing equipment



(Thickener Tank) Remove and replace feed pumps, motors and sludge rake



(Operations Building) Replace hydraulic lift system



(Operations Building) Remove and replace existing feed pumps



(Admin Building) repair existing restrooms



(Admin Building) Repair roof leaks



Dupont Report



Project Name:	Ugum Water Plant	Date of Report:	05/21/2021					
Project/Sales Order No:	12040052, Line 10	Date(s) of Service:	05/17/2021					
			To					
			05/20/2021					
Technician:	Charles Heard	Purpose of Trip:	Paid Service					
Trip Objectives:	1, Plant Audit. 2, Operato	or Training						
Directions to Jobsite:	From the airport take Ro	ute 1 west to Route 4.						
	Stay on Route 4 until you	reach Talofofo Bay, then turn righ	nt onto Paulino Heights Street.					
	Water Plant is 400 yards on left.							
Equipment Furnished:	2 x 432 S10N CMFS							

Plant Address:	Paulino Heights St, Off Highway 4, Guam
Plant Contact:	Vincent Laguana
Plant Contact Phone/Fax No.:	671 300 6053
Other Contacts at Site:	
Date of Last Site Safety	05/17/2021
Inspection form	

Services Performed:

- 1, Carried out Site Safety Inspection.
- Had a walk through Plant from the River Feed Pump Station to Clearwell.
 Discussed Plant Operations and issues with Plant Supervisor.

In general terms the plant has not had the preventive or reactive maintenance required to keep it fully operational. As components have failed, they have not been replaced. The Operators have found alternative manual methods to keep the Plant producing the required daily amount of treated water. Fortunately, the daily demand has been decreasing due to maintenance on the distribution system. The Plant would not be able to run to design capacity if required to.

In addition to this audit, Kenneth Rekdahl of DCA is carrying out an audit of the Plant outside that of the Membrane equipment. In this report I will touch on some items that Kenneth will be going into detail with, but not give full details so as not to overlap with his audit.

Rev 8 - 1 -



River Pump Station

This area is being fully covered by DCA.



1, The river has become very shallow over the last 10 years at the Intake Area. The buildup of silt should be removed, and the Intake Area restored.



- 2, Feed Pump #2 is vibrating and leaking water from the seal area.
- The Feed Strainers have stopped working and are being bypassed.
 As the Feed Water first enters a set of Clarifiers most of the larger particles are removed before the water enters the Membrane Cells.
- 4, The Feed Flow Control valve is not operational. As the flow can be controlled by varying the Feed Pump speeds, this valve is not required. PLC programming may be required to compensate.
- 5, The Feed Flowmeter local display is not working or is very faint.
- The communication from the Plant PLC has been lost.
 For automatic control to be resumed this PLC connection must be restored.
- The Operators run the Pump Station on Hand mode.
 They locally adjust the number of pumps / speeds to maintain water entering the Plant.

Rev 8 - 2 -



Feed Clarifiers

This area is being fully covered by DCA.

1, As the Raw Water Feed Turbidity was low, it was not possible to judge the Feed Clarifiers performance.

At time of inspection a good flocculation was being formed and it was not being carried over to the Membrane Cells.

Membranes Backwash Receiving Tank

This area is being fully covered by DCA.



- 1, The Backwash water returns to the head of the Plant.
- 2, The Backwash Return Pump was noisy and may have worn bearings.

CIP Chemical Doing Systems

This area is being fully covered by DCA.



- The Dosing Pumps are missing and Pipework has been disconnected.
 Both CIP chemicals are being added by hand.
- 2, I recommend using 12.5% Chlorine for CIP dosing until the Chlorine Generation System is working.

Rev 8 - 3 -



CIP Neutralization System

This area is being fully covered by DCA.









- The Dosing Pumps are missing and Pipework has been disconnected.
 Both Neutralization chemicals are being added by hand.
- 2, The system was designed to dose liquid Sodium Bisulfite to neutralize the Chlorine Waste. This has been replaced with powered Sodium Metabisulfite. There is no mechanism for dissolving the powder so it is poured directly into the Neutralization Tank. This produces poor mixing results.
- 3, 3 out of the 5 mixing nozzles are damaged or have missing parts.
- 4, Although the Operators can Neutralize the CIP Waste, the system is not designed to remove Turbidity which is part of the discharge limitations. The only way the Turbidity is being reduced is by settling time which takes days instead of hours. This situation needs to be resolved so that the Membranes can be cleaned on schedule.

Rev 8 - 4 -



Sludge Thickener System.

This area is being fully covered by DCA.









- 1, This system is not working.
- 2, The operators are using a Vac-Truck to remove the sludge in the Sludge Holding Tank.

Rev 8 - 5 -



Chlorine Generation System

This area is being fully covered by DCA.





- 1, The System is working, however there are many leaks and components that are not working.
- 2, The Operators struggling to get the equipment to produce a consistent strength of Chlorine.

Control Air System

This area is being fully covered by DCA.





The Compressors are working.
 They are loading at 80 PSI and unloading at 140 PSI.
 There is some oil being carried over into the Control Air System.

I recommend that the Control Air Pressure Regulator is set at 95 PSI. This will assist in operating valves that tend to stick closed. For this to take effect, the Compressor Load setpoint should be increased to 100 PSI.

The Valve Control Solenoids are working.
 Several have air leaks and there is some constant venting from exhaust ports.
 The leaking / venting solenoids should be replaced.

Rev 8 - 6 -



Aeration Blower System

The System is working.

Membrane System

The Membrane System can be broken down into different aspects: Performance.

Integrity.

System Hardware.

Control & Monitoring.

Membrane Performance

1, The performance of the membranes is their ability to produce the required flow of water without blocking up and requiring early Backwashing or Chemical Cleaning. It is also how the cleaning cycles return the membrane back to a clean state for further filtration cycles.

Due to the issues of settling out the Turbidity in the CIP / MW Waste, the CIPs & MWs have not been carried out on a regular basis.

This has led to high TMPs with the modules being overloaded with dirt to the point of breaking module cages. These modules are beyond recovery and will require replacement.





In the interim period before the modules are replaced, the Operators are going to run 5 racks each under a different configuration to see which if any improves the solids loading on the membranes.

- As currently configured.
- 2, With Bottom Clover End Plate removed (Replaced with a SS Nut and Washer)
- With Side Fillers removed. 3,
- 4, With Bottom Clover End Plate & Side Fillers removed.
- 5, With Bottom Clover End Plate, Side Fillers & Center Fillers removed.

Rev 8 - 7 -



I discussed CIPs with the Operators and found that during an Acid CIP the pH was being reduced to 4.5 pH and during a Chlorine CIP the Chlorine Residual was a maximum 50 PPM often being below 5 PPM.
 A normal Acid CIP should drop the pH to 2.0 – 2.2 and there should be a residual of 200 PPM+ during a Chlorine CIP.

We measured the Membrane Cell CIP Volume and found it to be approx. 4200 Gallons.

The operators were working from a reference of 2600 Gallons.

We also noted that the recommend Acid Wash was using a very weak solution.

For future cleans the chemical dosing should be raised to:

Acid CIP

Cell Volume 4200 Gallons

Citric Acid Solution 1.0 % Sulfuric Acid Solution 0.06% Citric Acid @ 50% 67 Gallons Sulfuric Acid @ 50% 3.6 Gallons

This should drop the pH down to 2.0 - 2.2

Adjustment of Sulfuric Acid quantity to hit the desired pH may be required.

	Chlorine CIP	Chlorine MW
Cell Volume	4200 Gallons	4200 Gallons
Chlorine Solution	300 PPM	100 PPM
Chlorine @ 12.5%	8.5 Gallons	3.0 Gallons
Residual	200 PPM	70 PPM

It was evident from the Top Clovers that there is bacterial growth.
 This further confirms the lack of Chlorine cleans.



Rev 8 - 8 -



Membrane Integrity

The Integrity of the membrane system is its ability to not let un-filtered water pass from the Feed side to the Filtrate side without passing through the membrane. This is checked by the system automatically using the Pressure Decay Test.

1, The PDT sequences were checked and worked correctly.

	Unit 1	Unit 2
Start Pressure	14.01 PSI	14.10 PSI
End Pressure	12.87 PSI	13.00 PSI
Result	0.67 PSI/Min	0.55 PSI/Min
Number of Isolated Modules	16	72

2, While the PDTs were running, the Cells were inspected, multiple streams of bubbles were seen coming from the modules & Top Clover Connections. The Operators explained that they had pinned the membranes using the test chamber but when the modules were refitted there were still bubbles.



We inspected the Top Clovers and found that the inner sealing surfaces were rough which would not aid the o'rings to form a perfect seal. Some were showing cracks that would cause leakage. The Clovers (Top & Bottom) will need to be replaced.

Rev 8 - 9 -



Membrane System Hardware

The Membrane System Hardware includes the Membrane Racks, Pipework and Valves.









1, Rack Damage:

The Rack Lifting System uses 2 independent winches that have only 1 Lifting / Lowering speed – Fast.

The Rack Guide system has a tight tolerance which requires the racks to be raised and lowered very slowly.

This has caused the racks to get jammed as they are being raised and distort the Upper Aeration Header pipe that the rack lifting points are welded to. This damage has not affected the racks integrity, but consideration should be given to replacing the damaged rack. Also repairing any damaged rack guides.

Consideration should also be given to replacing the 2 winches. The replacement winches should have the following features:

A, 2 operating speeds, Normal & Very Slow.

B, A single controller that includes a selector switch:

Only winch A

Only winch B

Both winches A & B together.

Rev 8 - 10 -



Many of the main valves are not operating correctly. They either stick closed, are slow to move or do not close completely.
 All valves should be inspected and then overhauled or replaced as required.





3, Many of the valves were installed using threaded rods that pass through the centers of the lug style connections. These rods are undersized and make it difficult to align the valve / pipework flanges correctly. This in turn causes valves to stick and to leak. The threaded rods should be replaced with the correct sized bolts and washers.



- 4, The Stainless Steel Pipework is also showing signs of corrosion, steps should be taken to remove the corrosion and prevent further corrosion occurring.
- Several of the Pressure Gauges are missing or the Needles are either bent or missing.
 These should be replaced.
- The Filtrate Pressure Transmitters are working, however these have not been calibrated.
 It is important that these instruments read correctly as they are critical system instruments.

Rev 8 - 11 -



Membrane Control and Monitoring

The PLC Control System is not communicating with all the ancillary equipment due to either damaged communication cables
or faulty hardware at the ancillary end. For the system to run under automatic control again, these items must be replaced or
repaired.





- 2, Each PLC calculation was checked.
 - This showed that the Surface Area of a membrane was incorrect.
 - The PLC was still using the Surface Area of the original S10V module (27.9 m²).
 - These modules were replaced 5 years ago with the upgraded S10N version (23.1 m²).
 - The surface area is used in the Resistance calculation which indicates how dirty the modules are.
 - For the SCADA to give correct data the Surface Area Setpoint must be updated within the PLC.
- The SCADA seems to be in good working order and communicating with the PLC correctly.
 Site have contracted Siemens Singapore to remotely maintain the system.

Conclusion

For the Membrane System to survive major work is required immediately.

- 1, The Neutralization System must be able to discharge the CIP Waste in a few hours, not days.
- 2, Valves and Instrumentation should be brought back to a serviceable state.
- 3, All Membrane hardware: Clovers, Clips, Membranes & O'Ring should be replaced.
- 4, Cell Rack Guides should be checked.
- 5, Consideration should be given to repairing or replacing the damaged Membrane Racks.
- 6, The Rack Winching system should be replaced.
- 7, CIP Chemical Dosing Systems to be repaired.
- 8, Other Ancillary Equipment should be repaired.
- 9, System Communications should be re-established.

Once the Neutralization System and the CIP Chemical Systems are made serviceable, the Membranes & Membrane Hardware can be replaced. I recommend a second Dupont / Memcor Service visit at that time to oversee the membrane installation and ensure the system is setup and operating correctly.

Also carried out Operator training in the Classroom and at the Water Treatment Plant.

Rev 8 - 12 -

Equipment List

Ugum Equipment Table

Butterfly Valve — Cell® 1 & 2 - Feed Inlet Butterfly Raw Water 2 - 10 Inch 500 AP 10 In 60 Wafer Lugged AKSIRISO OA Preumatic C EPOM 316 SS 316SS Bray Valves S31-124 592-210 V V Butterfly Valve — Cell® 1 & 2 - Feed Inlet Butterfly Raw Water 12 - 16 Inch 500 IPa 10 In 40 Wafer Lugged AKSIRISO OA Preumatic C EPOM 316 SS 316SS Bray Valves S31-124 592-210 V V Equipment Name Equipment # Description Manufacturer Model Type Range Units Output Power Supply Process Connection No. Wetted Materials No. Remarks Spec V Valve Status Monitor — No. Micro Swatch 2:5FDF N/A N/A — — — N/A — — 400500 — — — Backwash (Holding Tank) Equipment Name Equipment # Function No. of Units Model # Suppler Duly Config. Flow (GPM) HD [FT] HP Volts PN NZ Speed (RMN) Special Special NZ Speed (RMN) Special NZ	Remarks SSO Limit Switch, SS2 Travel Stop, Adjustment, S62 Type 81 Stop Adjustment, S62 Type 82 Stop Adjustment, S62 Type 82 solenoid valve, NSF Certified
Page	Remarks SSO Limit Switch, 592 Travel Step Adjustment, 582 Travel SSO Limit Switch, 592 Travel
Recolation Costs 2 State	Remarks SSO Limit Switch, 592 Travel Step Adjustment, 582 Travel SSO Limit Switch, 592 Travel
Protect Procedure Proced	Remarks \$50 Limit Switch, 593 Travel \$100 April 1970 A
Majorite Hometime 11/10 Nav Water How Enrolled 1 SIGNALAMAN Surgician Majority Surgician Hometime	Remarks \$50 Limit Switch, 593 Travel \$100 April 1970 A
Force Free	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Majorient Name Equipment # Function No. of Units No. of Units Supplied Remarks Supplied Supplied Supplied Supplied No. of Units No. of Uni	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Sed	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Equipment Name	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Equipment Name Equipment 8 Precision No. of Units Model # Supplier Remarks Spec	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Studge Collection Studge Collection Studge Collection 2 16720 Evoqua - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 464311 - 464311 - 464311 - 464311 - 464311 - 464311 - 464311 -	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Description	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
basin Surge Cutter, Direct To Sedimentation B "Waterman Value Cutter Cutte	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Membrane Cells Fior. To Sedimentation 8	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Equipment Name Equipment # Function No of Units Model # Supplier Remarks Spec	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Equipment Name Equipment # Function No of Units Model # Supplier Remarks Spec	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Membrane Filter MF201-1 " 11 Rocks per Cell MEMCOR 435150V MEMCO	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Filter Pipe Gallery Room Equipment 8	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Equipment 8 Description Valve Type Process Fluid NS. Max Working Femse (Cel.) Butterfly Valve Cell 2- Feed inlet Butterfly Raw Water 2-10 inch 500 kPa 10 to 40 Wafer Lugged ANSI\$150 DA Procumatic Cell 2- Feed inlet Butterfly Raw Water 12-16 inch 500 kPa 10 to 40 Wafer Lugged ANSI\$150 DA Procumatic Cell 2- Feed inlet Butterfly Raw Water 12-16 inch 500 kPa 10 to 40 Wafer Lugged ANSI\$150 DA Procumatic Cell 2- Feed inlet Butterfly Raw Water 12-16 inch 500 kPa 10 to 40 Wafer Lugged ANSI\$150 DA Procumatic Cell 2- Feed inlet Sequipment 8 Description Manufacturer Model Type Range Units Output Process Valve Status Monitor Memorizare Filtration Cell 1- 8-2 Feed inlet Number And Status monitor Remarks Spec Series 50-4000 Micro Switch 2-SPOT N/A N/A N/A 400500 N/A N/A 400500 N/A N/A 400500 N/A N/A N/A	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Butterfly Valve — Cellat & 2 - Feed Inlet Butterfly Raw Water 2-10 Inch 500 MPa 10 to 40 Water Lugged ANSIATSO DA Preumatic O EPDM 316 SS 316SS Bray Valves S31-124 522-20 V V Butterfly Valve — Cellat & 2 - Feed Inlet Butterfly Raw Water 32-16 Inch 500 MPa 10 to 40 Water Lugged ANSIATSO DA Preumatic O EpdM 316 SS 316SS Bray Valves S31-124 522-20 V V Equipment Name Equipment B Description Manufacturer Model Type Range Units Output Power Supply Process Connection In Institute Water Name Institute Water S11-124 Speech (SPM) Series S0-0400 Micro Switch 2x5P0T N/A N/A ~ ~ ~ 400500 — ~ 400500 — ~ ~ 400500 — ~ ~ 400500 — ~ ~ ~ 400500 — ~ ~ ~ 400500 — ~ ~ ~ ~ 400500 — ~ ~ ~ ~ ~ ~ 400500 — ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Butterfly Valve Cellet 8, 2 - Feed Infet Butterfly Raw Water 2 - 10 inch 500 Mp 10 to 40 Wafer Lugged ANSIHISD DA Preumatic C EPOM 316 SS 316SS Bray Valves S31 - 124 592 - 210 Y Y	Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Butterfly Valve	Stop Adjustment, S63 Type #1 solenoid valve, NSF Certified S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Butterfly Valve — Cellist & 2- Feed inlet Butterfly Raw Water 12-16 inch 500 kPs 10 to 40 Wafer Lugged AKSIR150 DL P neumatic CI EPOM 346 SS 316SS Bray Valves \$31-124 \$592-210 V Y Equipment Name Equipment P Description Water Lugged AKSIR150 DL P neumatic CI EPOM 346 SS 316SS Bray Valves \$31-124 \$592-210 V Y Y Equipment Name Equipment Rivers on the Valve Close Limit Switch Law Color Limit	S50 Limit Switch, S92 Travel Stop Adjustment, S63 Type #1
Butterfly Valve — Cellist & 2- Feed inlet Butterfly Raw Water 12-16 inch 500 kPs 10 to 40 Wafer Lugged AKSIR150 DL P neumatic CI EPOM 346 SS 316SS Bray Valves \$31-124 \$592-210 V Y Equipment Name Equipment P Description Water Lugged AKSIR150 DL P neumatic CI EPOM 346 SS 316SS Bray Valves \$31-124 \$592-210 V Y Y Equipment Name Equipment Rivers on the Valve Close Limit Switch Law Color Limit	Stop Adjustment, S63 Type #1
Equipment Name Equipment # Description Manufacturer Model Type Range Units Output Power Supply Process Connection Valve Status Monitor Membrane Filtration Cell 1 & 2 Inlet Valve Close Limit Switch and status monitor Backwash (Holding Tank) Equipment Name Equipment # Function No. of Units Model # Supplier Duty Config. Flow (GPM) HD [87] HP Volts PH NZ Speed (RMM) Spec	solenoid valve, NSF Certified
Legupment Name Equipment 8 Discription Manufacturer Model Type Range Units Output Power Supply Connection Wetted Maternals No. Remarks Spec Valve Status Monitor Manufacturer Model Status Monitor Name (Equipment Name Equipment 8 Function No. Of Units No	
Valve Status Monitor " Membrane Filtration Cell 1 & 2 Bray Controls Series 50-0400 Micro Switch 2x5P0T N/A N/A " " N/A " " 000500 " 0005	
Backwash (Holding Tank) Equipment Name Equipment # Function No. of Units Model # Supplier Duty Config. Flow (GPM) HD (FT) HP Volts PH HZ Speed (RPM) Spec	
Backwash (Holding Tank) Equipment Name Equipment B Function No. of Units Model B Supplier Duty Config. Flow (GPM) HD (FT) HP Volts PH HZ Speed (RMM) Spec	
Equipment Name Sequence I Function No. of Units Model II Supplier Duty Config. Flow (GMM) HD (FT) HP Volts PH HZ Speed (RPM) Spec	
Transfer wash water to	
Backwash Transfer Pump P301, P302 Institute vasar water to 2 ~ ITT Flygt or Equal 1 (Duty), 1 (Standby) submersible 352 33.5 7.5 460 3 60 VSD 411311 ~ ~ ~	~
Equipment Name Equipment # Function No. of Units Model # Supplier Remarks Spec	
Level indicator LIT301 Level indicator 1 Prosonic M FMU40-AR82A4 Endress-Hauser Ultrasonic 407276 ~ ~ ~ ~ ~ ~ 407276	_
Level Switch LS301,LS302 Level control 2 MECAH-10 Endress-Hauser Float 407276 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 407276 ~ ~ ~ ~	~
Mixer M301 Tank Mixing 1 ~ Flygt ~ 464123 ~ ~ 2 460 3 60 ~ 464123 ~ ~ ~	~
Magnetic Flowmeter FE301, FIT301 Raw Water Flow Transmitter 1 Sink Adm@Ababa 1 Sink Adm@Ababa 2 Sink Adm@Ababa 3 Sink Adma	~
Neutralization Tank	
The formal formation of the first of the fir	
Neutralization Pump P401 Backwash Pit 1 Submersible Pump ITT Fygg or Equal 7.5 kW (10 hp) submersible 165 34 10 ~ ~ ~ 451311 ~ ~ ~ ~	~
Equipment 8 Function No. of Units Model 8 Supplier Remarks Spec	
Level indicator/monitor LIT401 Neutralization Pit Level 1 Processic M FMU400 AR822M Endress+Hauseer 0-15 407276 4072276	~
Level Switch LS401, LS402 Neutralisation Pit Level High 2 MECAH-10 Endress-Hauser ~ 407276 ~ ~ ~ ~ ~ ~ ~ 407276	
Switch ~ ~ ~	~
pH meter AE401 Neutralisation pH Sensor 1 CerdGel P CP571 2882ESA Endress-Hauser " 407513 " " " 407513 " " " 407513 " " " " 407513 " " " " " " 407513 " " " " " " " " " " " " " " " " " " "	~
Transmitter A/T401 Neutralisation pH Analyser 1 Liquisys M CPM253-PR1105 Endress-Hauser ~ 407513 ~ ~ ~ ~ ~ ~ ~ 407513	
Op Meter AE402 Neutralisation ORP Sensor 1 CeraGel PCP572-OPB2ESA Endress-Hauser ~ 407513 ~ ~ ~ ~ ~ ~ ~ ~ 407513	~
	~
	~
Thickener Tank	~ ~
Equipment Name Equipment # Function No. of Units Model # Supplier Duty Config. Flow (GPM) HD (FT) HP Volts PH HZ Speed (RPM) Spec	
Trickened Studge Pumps P371, P372 - "75 HP, 1500 RPM, 4809/1994(60)HP. "1 (Duty), 1 (Standby) "20-40 50 7.5 460 3 60 1800 432257 . "	
Equipment Name Equipment # Function No. of Units Model # Supplier Remarks Spec	
Rake and Miner System "Thickering 1 IEMCO""""""""""""""""""""""""""""""""""""	~
Operations/Chemical	~
Operations/ chemical	~
Equipment Name Equipment # Function No. of Units Model # Supplier Remarks Spec	~
Equipment Name Equipment # Function No. of Units Model # Supplier Remarks Spec pit meter ALE/01 Neutralisation phi Sensor 1 Cendel # DST/2882CSA Endress-Hauser * 407513 * * * * * * * * 407513 * * * * * * * * 407513 * * * * * * * * * * * * * * * * * * *	~
Equipment Name Equipment # Function No. of Units Model # Supplier Remarks Spec	~
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Site Sketches

