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BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF: GUAM POWER AUTHORITY LEVELIZED ENERGY ADJUSTMENT CLAUSE (LEAC)	**GPA DOCKET NO. 22-15** **LEAC FILING**

COMES NOW, the GUAM POWER AUTHORITY (GPA), by and through its counsel of record, D. GRAHAM BOTHA, ESQ., and hereby files GPA's LEAC petition to increase the current LEAC factor effective July 1, 2022. Guam Power Authority is requesting to increase the Fuel Recovery Factor from $.209552/kWh to $.240413/kWh effective for meters read on or after July 1, 2022. The change reflects a 10.06% increase in the LEAC factor and a 14.74% increase for a residential customer utilizing an average of 1,000 kilowatt hours per month. GPA is requesting a three step increase in the LEAC rate, from $.209552/kWh to $.240413/kWh effective July 1, 2022; $.240413/kWh to $.270185/kWh effective September 1, 2022; and $.270185/kWh to $.296275/kWh effective November 1, 2022. In addition, there is a forecast of the Working Capital Fund Requirement to stay the same, so there will not be a change in the Working Capital surcharge for the period August 1, 2022 through January 31, 2023.

The basis for the LEAC filing is due primarily to the continuing increase in worldwide fuel prices. GPA believes that the market will increase to an average $130.67/bbl by January 31, 2023. The projected under-recovery is expected to be approximately $70.33M by January 31, 2023, if no changes were made to the LEAC rate, and with the requested LEAC increases to decrease to $25.0M. The billing illustrations in Attachment VII show the effect of the change in the Fuel Recovery Factor on customers.

The LEAC worksheets are attached herein as Exhibit "A", and incorporated by reference. Pursuant to the PUC Order of November 10, 2008, the Line Loss Reports are now filed as part of the LEAC Report. The Line Loss Report for December 2021 to June 2022 consists of a Progress Report, Gross Generation/Sales/Line Losses, Monthly Progress Report on Distribution System Improvements, and Feeder Analysis Summary are attached herein as Exhibit "B", and incorporated by reference herein as if fully set forth.

CONCLUSION

The PUC should approve GPA's request to increase the Fuel Recovery Factor to $.240413/kWh effective July 1, 2022, with two additional increases to $.270185/kWh effective September 1, 2022; and $.296275/kWh effective November 1, 2022, as these increases are reasonable, prudent, and necessary.

RESPECTFULLY SUBMITTED this 1st day of June, 2022.

D. Graham Botha, Esq.
GPA General Counsel

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

GPA RESOLUTION NO.: FY2022-21

AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE GUAM PUBLIC UTILITIES COMMISSION FOR A CHANGE IN THE LEVELIZED ENERGY ADJUSTMENT CLAUSE

WHEREAS, the Guam Public Utilities Commission (GPUC) has established a Tariff under which the Guam Power Authority (GPA) is allowed to recover its fuel costs and fuel related costs under a factor which is reset and trued up every (6) six months through the Levelized Energy Adjustment Clause (LEAC); and

WHEREAS, the deadline for the next filing is July 15, 2022; and

WHEREAS, for the LEAC period covered from February 1, 2022 through July 31, 2022, GPA requested to maintain the LEAC rate of $0.171458/kWh that was approved for meters read on or after February 1, 2022 and GPA's projection at the time of petition in November 2021 would be an under-recovery of $17.6 million by July 31, 2022; and

WHEREAS, the Public Utilities Commission (PUC) ordered for the LEAC period covered from February 1, 2022 through July 31, 2022, be $0.180837/kWh for meters read on or after February 1, 2022 as the updated January 2022 average market price increased considerably from the November 2021 pricing. GPA had initially estimated in its petition that the average market price of residual fuel oil and diesel to be used in the initial filing for the current period was approved at $87.48/bbl for the (6) six-month period ending July 31, 2022, the current projection for the same period was $113.30/bbl and the projected average price of residual fuel oil and diesel for the period ending January 31, 2023 is $130.67/bbl; and

WHEREAS, the $2 million under-recovery increase threshold for review by the PUC within the LEAC period was met in March 2022 due to the drastic increases in fuel prices caused by the Russian War against Ukraine and other factors, and keeping the LEAC at $0.180837/kWh substantially increased the under-recovery to $32 million or an 82% increase in GPA's initial under-recovery of $17.6 million for the same period; and

WHEREAS, the PUC ordered the interim LEAC rate increase to $0.209552/kWh for meters read on or after April 1, 2022 to maintain the under-recovery balance at $20 million for the period ending July 31, 2022;

WHEREAS, the most recent Morgan Stanley market projections indicate rising fuel prices and projected under-recovery for the period ending January 31, 2023 at the current LEAC rate of $0.209552 is $70.3 million; and

WHEREAS, GPA proposes a 3 step increase as follows:

a) 1st step - $0.240413 effective July 1, 2022 to August 31, 2022

b) 2nd step - $0.270185 effective September 1, 2022 to October 31, 2022

c) 3rd step - $0.296275 effective November 1, 2022 to January 31, 2023

WHEREAS, GPA has $11.8 million in the self-insurance fund reserved for typhoons and other disasters and if approved by the Guam Public Utilities Commission could be utilized mitigate LEAC and operating cash flow; and

WHEREAS, GPA is requesting an authority to withdraw up to $10 million in self-insurance fund to purchase fuel; and

WHEREAS, the withdrawn fund from self-insurance fund will be replenished from the surcharge which is currently active; and

WHEREAS, an estimated $1.5 million is included for costs associated with the Demand Side Management rebate program for the anticipated LEAC period; and

WHEREAS, GPA now is requesting the Consolidated Commission on Utilities to authorize the Authority to file such petition with the Guam Public Utilities Commission; and

NOW, THEREFORE BE IT RESOLVED, by the Consolidated Commission on Utilities as follows:

The General Manager of the Guam Power Authority is authorized to petition the Guam Public Utilities Commission for the proposed secondary voltage LEAC rate as follows:

a) 1st step - $0.240413 effective July 1, 2022 to August 31, 2022

b) 2nd step - $0.270185 effective September 1, 2022 to October 31, 2022

c) 3rd step - $0.296275 effective November 1, 2022 to January 31, 2023

The General Manager is further authorized to petition the Guam Public Utilities Commission to withdraw up to $10 million from self-insurance fund.

(LEAC factors for alternative voltage levels are as reflected in the attached spreadsheets in the attached Exhibit A.)

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 24TH DAY OF MAY 2022.

Certified by:

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

MICHAEL T. LIMTIACO
Secretary
Consolidated Commission on Utilities

SECRETARY'S CERTIFICATE

I, **Michael T. Limtiaco,** Secretary of the Consolidated Commission on Utilities (CCU), as evidenced by my signature above do certify as follows:

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

Ayes: 4
Nays: 0
Abstentions: 0
Absent: 0

EXHIBIT A

Proposed LEAC Rate ($000)

(Prepared 05/20/2022)

	Scenario Status Quo	Scenario Step 1: $0.240413	Scenario Step 2: $0.270185	Scenario Step 3: $0.296275
	MS Pricing 05.04.2022 to 05.10.2022	MS Pricing 05.04.2022 to 05.10.2022	MS Pricing 05.04.2022 to 05.10.2022	MS Pricing 05.04.2022 to 05.10.2022
	Aug 22 - Jan 23	Jul 22 - Aug 22	Sep 22 - Oct 22	Nov 22 - Jan 23
Average Price per Bbl-RFO	$ 141.57	$ 141.57	$ 141.57	$ 141.57
Average Price per Bbl-Diesel	$ 126.54	$ 126.54	$ 126.54	$ 126.54
Number 6 (HSFO/LSFO)	$ 55,000	$ 67,439	$ 55,000	$ 55,000
Number 2 (Diesel)	$ 129,584	$ 85,072	$ 129,584	$ 129,584
Renewable (Solar)	$ 9,111	$ 8,488	$ 9,111	$ 9,111
TOTAL COST	$ 193,696	$ 160,999	$ 193,696	$ 193,696
Handling Costs	$ 9,096	$ 6,500	$ 9,096	$ 9,096
Total Current Fuel Expense	$ 202,792	$ 167,499	$ 202,792	$ 202,792
Civilian Allocation	80.206%	79.530%	80.206%	80.206%
LEAC Current Fuel Expense	$ 162,652	$ 133,212	$ 162,652	$ 162,652
Estimated DSM for this period	$ 1,500	$ 1,500	$ 1,500	$ 1,500
Deferred Fuel Expense at the beginning of the period	$ 34,171	$ 22,491	$ 31,054	$ 34,386
Total LEAC Expense	$ 198,323	$ 157,203	$ 195,206	$ 198,538
Less: Trans. Level Costs	$ (6,700)	$ (6,801)	$ (8,898)	$ (10,383)
Distribution Level Costs	$ 191,623	$ 150,402	$ 186,308	$ 188,155
Over recovery/(Under) at the end of the period	$ (70,330)	$ (31,054)	$ (34,386)	$ (25,000)
Adjusted Distribution Level Costs	$ 121,293	$ 119,349	$ 151,923	$ 163,155
Distribution Level Sales (mWh)	578,904	582,208	578,904	578,904
LEAC Factor Distribution	$0.209522	$0.240413	$0.270185	$0.296275
Current LEAC Factor Distribution	$ 0.209522	$ 0.209522	$ 0.240413	$ 0.270185
Increase/(Decrease)	-	0.030891	0.029772	0.026090
Monthly Increase/(Decrease) - 1000 kWh	$ -	$ 30.89	$ 29.77	$ 26.09
% Increase/(Decrease) in LEAC	0.00%	14.74%	12.38%	9.66%
% Increase/(Decrease) in Total Bill	0.00%	10.06%	8.81%	7.10%
Discount (3%) - Primary 13.8 KV	$ 0.203227	$ 0.233215	$ 0.262092	$ 0.287399
Discount (4%) - 34.5 KV	$ 0.202641	$ 0.232543	$ 0.261337	$ 0.286571
Discount (5%) - 115 KV	$ 0.200147	$ 0.229681	$ 0.258120	$ 0.283043

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE R - RESIDENTIAL
With $25M Under-Recovery as of January 2023

	RATE SCHEDULE R							
	Existing Rate		1st Increment		2nd Increment		3rd Increment	
	Eff 04-01-22		Eff 07-01-22		Eff 09-01-2022		Eff 11-01-22	
KWH		1,000		1,000		1,000		1,000
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge								
First 500 KWH	0.069550	34.78	0.069550	34.78	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	43.44	0.086870	43.44	0.086870	43.44	0.086870	43.44
Emergency Water-well charge	0.002790	1.40	0.002790	1.40	0.002790	1.40	0.002790	1.40
Self-Insurance Surcharge	0.002900	2.90	0.002900	2.90	0.002900	2.90	0.002900	2.90
Working Capital Fund Surcharge	0.000000	-	0.000000	-	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		97.51		97.51		97.51		97.51
Fuel Recovery Charge	$ 0.209522	209.52	$ 0.240413	240.41	$ 0.270185	270.18	$ 0.296275	296.28
Total Electric Charge		$ 307.03		$ 337.92		$ 367.69		$ 393.78
Increase/(Decrease) in Total Bill				$ 30.89		$ 29.77		$ 26.09
% Increase/(Decrease) in Total Bill				10.06%		8.81%		7.10%
% Increase/(Decrease) in LEAC rate				14.74%		12.38%		9.66%

APPENDIX A Progress Reporting for Dec 2021 – April 2022

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
1	**Accurate metering and billing of the U.S. Navy**		
1.1	Process Ongoing	Navy account set in CC&B for electronic meters (SEL-734, SEL-735, Q1000) at all Navy metering points.	• Actual billing of Navy is reviewed by GPA prior to issuing to Navy. • During the period of ***December 2021 to April 2022,*** the readings from the Navy quantum meters continued to be entered manually. • GPA uses handheld devices to read the Navy quantum meters for consumption. However, the readings cannot be electronically uploaded to the Meter Data Management System (MDMS) because of some incompatibilities.
1.2	Process Ongoing	Exploring the feasibility of aggregate reading	• Harmon Substation & Tanguisson Substation WAN link installation completed; this is to provide capability of remote Navy Metering. The actual replacement of navy meters is a work in progress. • Aggregate billing continues in CC&B and reconciled to the manual calculations each month. • Navy Metering Upgrade from Quantum Meters to SEL completed in July 17, 2020. Navy Meters at Harmon, Piti, Agana, and Andersen Substations can be downloaded remotely.
2	**Accurate metering and billing of civilian loads**		
2.1	Process Ongoing	Meter Task Force (MTFC) continues to oversee, assess, and issue recommendations for QA/QC of metering and billing accuracy	**System Losses Report Data** • ***December 2021 to April 2022:*** ▪ Accounts with meter discrepancies found & corrected: ❖ **980 Blank Display** ❖ **186 No Communication** ❖ **03 Defective Switch**
2.2	Process Ongoing	Identify all zero consumption billings and perform required field investigations	• ***December 2021 to April 2022:*** ▪ **3,498** accounts identified with zero consumption; they are active smart meters assigned to customer with no reading. This is with no load/minimal consumption. **There are 25 opt out customers that GPA manually reads their consumptions.*
3	**Systematic analysis of billing accounts for possible outliers**		
3.1	Process Ongoing	Documentation for systematic billing analysis	• Analysis/refinements addressed on a monthly basis as problems are encountered. In the event that a meter reading is not available on the day of the reading uploads the most recent previous or subsequent day's readings (within one or two days of the read date) are used. There are some residential customers who have opted out of using a Smart Meter and continue to use the legacy meters. There have been no significant issues with these customers.
3.2	Process Ongoing	Monitoring of reading exception reports in the CC&B system	• If meter readings are not available within the window of time stated in 3.1, CC&B will calculate an estimated bill based on the previous actual data from that meter.
3.3	Process Ongoing	Additional reports generated monthly in the CC&B system to assist in billing analysis	• A monthly report of estimated billings is generated to identify accounts that were billed with estimated consumption in excess of three billing periods. These accounts are then investigated for correction.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
4	**Accurate Monitoring, Measurement and Reporting of System Losses**		
4.1	Process Ongoing	Identify present metering discrepancies	• **December 2021:** ▪ Meter Discrepancies: 292 ▪ Meter Change Outs: 308 ▪ Meter Preventive Maintenance: 0 • **January 2022:** ▪ Meter Discrepancies: 261 ▪ Meter Change Outs: 313 ▪ Meter Preventive Maintenance: 1 • **February 2022:** ▪ Meter Discrepancies: 209 ▪ Meter Change Outs: 229 ▪ Meter Preventive Maintenance: 9 • **March 2022:** ▪ Meter Discrepancies: 199 ▪ Meter Change Outs: 244 ▪ Meter Preventive Maintenance: 111 • **April 2022:** ▪ Meter Discrepancies: 208 ▪ Meter Change Outs: 246 ▪ Meter Preventive Maintenance: 90
4.2	Process Ongoing	Procure equipment & system	• Ongoing meter change outs due to defective meters, RMA meters under warranty to be shipped to manufacturer.
4.3	Process Ongoing	Replace, install, upgrade substation metering reporting systems	Dec 2021 – April 2022: None
5	**Identification of Unlisted Electric Energy Consumer**		

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
5.1	Process Ongoing	Process in place to identify and minimize occurrences in Unlisted consuming meters. Various reports are generated to identify unlisted energy consumers (i.e., exception, UNLISTEDMTR report for meter readings that were not captured in CC&B and therefore ran after each upload).	**December 2021** • RPS inspected 18 meters from the MDMS Non-Consuming Active Meter report. Of that number, 1 business was closed, 1 meter was registering properly, 2 services were not in use, 1 was terminated, and 13 locations were vacant. • RPS inspected 2 meters from the MDMS Zero Consumption – GOV report. Of that number, 1 meter was seldom used (minimal usage) and 1 was not in use. • RPS verified 7 meters from the CCB Consuming Inactive Meters Report. 3 meters were tied to active accounts and 4 meters were terminated. **January 2022** • RPS inspected 21 meters from the MDMS Non-Consuming Active Meter report. Of that number, 3 had minimal usage, 2 meters were defective, 3 were registering properly, 2 services were not in use, 1 was terminated, 1 business was closed, and 9 locations were vacant. • RPS inspected 4 meters from the MDMS Zero Consumption – GOV report. Of that number, 1 system was changed to net metering, and 3 were found not in in use. • RPS verified 8 meters from the CCB Consuming Inactive Meters Report. All meters were tied to active accounts. **February 2022** • RPS inspected 12 meters from the MDMS Non-Consuming Active Meter report. Of that number, 1 had minimal usage, 1 meter was defective, 3 were not in use, 6 locations were vacant, and 1 had a seal cut. • RPS inspected 1 meter from the MDMS Zero Consumption – GOV report. The location was vacant. • RPS verified 2 meters from the CCB Consuming Inactive Meters Report. Both meters were tied to active accounts. **March 2022** • RPS inspected 35 meters from the MDMS Non-Consuming Active Meter report. Of that number, 3 had minimal usage, 6 were registering properly, 5 services were not in use, 2 were found terminated, 1 system was converted to net metering, and 18 locations were vacant. • RPS inspected 6 meters from the MDMS Zero Consumption – GOV report. Found 4 services changed to net metering and 2 were registering properly. • RPS verified 5 meters from the CCB Consuming Inactive Meters Report. 3 meters were tied to active accounts, 1 service was seldom used, and 1 location is vacant.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
5.1	Process Ongoing	Process in place to identify and minimize occurrences in Unlisted consuming meters. Various reports are generated to identify unlisted energy consumers (i.e., exception, UNLISTEDMTR report for meter readings that were not captured in CC&B and therefore ran after each upload).	**April 2022** • RPS inspected 5 meters from the MDMS Non-Consuming Active Meter report. Of that number, 2 had minimal usage (newly built house & 1 under renovation), 1 meter was defective, 1 was not in use, and 1 location was vacant. • RPS inspected 4 meters from the MDMS Zero Consumption – GOV report. Found 2 locations were vacant, 1 defective meter was recently changed out, and 1 was registering properly. • RPS verified 4 meters from the CCB Consuming Inactive Meters Report. All 4 were tied to active accounts and found registering.
5.2	Process Ongoing	Tampering and illegal connections investigated and documented through GPA Revenue Protection Section, Internal Audit Section.	**December 2021** • RPS investigated 8 meters from the Command Center Reverse Rotation Detected report. Of that number, 5 are new net metering systems, 1 seldom used service and 1 meter was found defective. • RPS inspected 12 meters from the Command Center Tamper or Reverse Energy Flow report. Of that number, 10 were new net metering systems and found 1 was registering properly and 1 meter was found defective (to be changed out). • RPS verified 10 reports of suspected meter tampering & theft of services. Of that number, 4 were direct connections to service wires (4-weather heads and hand hole) and 1 was an unauthorized removal of meter and service wires. The remaining 5 inspections yielded negative findings. **January 2022** • RPS investigated 3 meters from the Command Center Reverse Rotation Detected report. Of that number, 1 service was converted to a net metering system and 2 were registering properly. • RPS inspected 3 meters from the Command Center Tamper or Reverse Energy Flow report. All 3 locations were new net metering systems. • RPS verified 4 locations for reported/suspected tamper/theft. Of that number, 2 meters were found with seal cut w/ damaged strap, 1 meter was vandalized, and 1 socket was found with jumper strips. All 4 were reported to GPD. **February 2022** • RPS investigated 7 meters from the Command Center Reverse Rotation Detected report. Of that number, 5 are new net metering systems, 1 was registering properly and 1 location was found vacant. • RPS verified 10 meters from the Command Center Tamper or Reverse Energy Flow report. Of that number, 2 systems were terminated, 7 were new net metering systems and 1 was registering properly.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
5.2	Process Ongoing	Tampering and illegal connections investigated and documented through GPA Revenue Protection Section, Internal Audit Section.	• RPS verified 10 reports of suspected tamper or theft of service. Of that number, 1 was an unauthorized removal of meter & stolen service line and 3 direct connections to service drop line and 1 direct connection in the hand hole. All 5 confirmed violations were reported to GPD while the remaining 5 yielded negative findings. **March 2022** • RPS investigated 9 meters from the Command Center Reverse Rotation Detected report. Of that number, 6 are new net metering systems, 2 seldom used services and 1 meter was found defective. • RPS verified 3 meters from the Command Center Tamper or Reverse Energy Flow report. Of that number, 1 was a new net metering system, 1 location was vacant, and found 1 was registering properly. • RPS verified 3 meters for reported/suspected meter tampering. Of that number, 1 meter was vandalized/damaged, 1 unauthorized removal of meter and 1 suspected tampering was found with negative finding. Both locations were reported to GPD. **April 2022** • RPS investigated 10 meters from the Command Center Reverse Rotation Detected report. Of that number, 9 are new net metering systems and 1 meter was found registering properly. • RPS verified 8 meters from the Command Center Tamper or Reverse Energy Flow report. Of that number, 2 systems were terminated, 3 were new net metering systems, 1 location was vacant, 1 service was not in use, and 1 meter was registering properly. • RPS verified 3 reports of suspected tamper or theft. 1 was a direct hook-up on the line side in the socket and the other was a damaged meter. Both were reported to GPD. The other inspection yielded negative finding.
6	**Power System Design and Procurement Guides Considering Optimization of System Costs and Losses**		
6.1	Process Ongoing	Prepare conductor economics selection and evaluation guidelines	• GPI work to shift load between P-210, P-211, P-250, and P-321- Completed • GPI work to shift load between P-332 and P-320 - Completed • Installation of switches between P-220 and P-223 and between P-221 and P-223 to be able to isolate Apra breakers - Completed • CIP for underground connection of P-005 and P-007 pending GPI work to install underground conductors, install switch, and re-locate station power to new Infrastructure-Completed • GPI Chalan Bada 10 pole extension to catch main line P-330 at Route 9 to remove line by Golf course pending easement issues for 3 remaining poles due to road not on easement. • GPI Route 15; 32 pole extension to reduce loading on P-332 and provide viable back feed for P-067, P-332, and Pagat Substation - Completed • P-320 breaker commissioning, installation of relay and meter, and replacement of underground cables - Completed • GPI; San Ramon Hill 4 pole extension for switch 13-252T283 between P-252 and P-283 for backfeed – Completed

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
			• CIP/GPI work for the Nikko Tsubaki hotel, installation of isolation switches and re-distribution of load completed. Upgrade of primary line completed. Re-configuration of SV1-A and SV1-B pending major outage. • Conductor upgrade and steel arm maintenance on P-047 pending procurement of arms. • P-280 line upgrade and extension for Navy back feeding completed. • P-005 line upgrade and extension for Navy back feeding pending survey. • P-087 swamp road line upgrade design completed pending scheduling. • P-322/P-310 line extension and load shifting pending installation. • P-290 line extension to relieve load on P-087, P-089 and P-046 in design. • P-112 extension to improve back feeding of P-087 and P-330 at survey. • P-203 and P-205 line upgrade and load shifting. • P-311 conductor upgrade South Sabana completed. • Aragon Street P-253 line upgrade design completed.
6.2	Process Ongoing	Stock appropriate transformers	• GPI's are being identified for transformers that are potentially overloaded and have potential voltage issues. Advanced Grid Analytics will be utilized to assist with this task. • 47 possible overloaded transformers identified;10 GPI's created; 20 pending assessment. • Engineering and T&D currently right-sizing pad-mounted transformers as existing transformers fail.
7	**Metering Assessment and Correction of Customer Power Factor**		
7.1		Evaluating large demand customers to define magnitude of power factor problem.	• No significant issues regarding power factor calculations. CC&B calculates the power factor.
7.2		Evaluating economics of power factor improvement	• Re-evaluation of reconfigured feeders completed; pending order for capacitor banks.
8	**Cost Effective Reactive Power Compensation**		
8.1	Process Ongoing	Procure and install distribution capacitors	• Capacitor banks received under PO: 21876. 7ea. 450 kVAR and 6ea. 900 kVAR fixed capacitor banks. • Re-evaluation of Dededo Feeders due to GWA pump projects pending balancing. • Isolation of P-088 capacitor bank due to VAR feedback during low load time. • Installation of P-330 capacitor bank at Santa Ana completed. • P-321 shorted capacitor bank replaced. • Island-wide VAR analysis to be conducted.
9	**Quality Systems Design & Implementation**		
9.1	Process Ongoing	Documentation including supporting documents regularly updated & maintained	• Documents updated and submitted semi-annually.

PLANNING & REG	0	Number of Employees	54000	8		8	8	0
PLANNING & REG.	1	Regular	54000	$ 741,140.00	$ -	$ 741,140.00	$ 448,039	$ 293,100.73
PLANNING & REG.	1.1	Detail Appointment	54000	$ -	$ -	$ -	$ -	$ -
PLANNING & REG.	2	Overtime	54000	$ -	$ -	$ -	$ -	$ -
PLANNING & REG.	3	Premium	54000	$ -	$ -	$ -	$ 25	$ (24.52)
PLANNING & REG.	4	Employee Benefits	54000	$ 281,633.00	$ -	$ 281,633.00	$ 144,400	$ 137,232.65
PLANNING & REG.	7	Holiday	54000	$ -	$ -	$ -	$ -	$ -
PLANNING & REG	8	Employee Reclassification	54000	$ -	$ -	$ -	$ -	$ -
PLANNING & REG	15	Heavy Equipment Rental	54000	$ 4,250.00	$ 34,750.00	$ 39,000.00	$ 24,000	$ 15,000.00
PLANNING & REG.	26	EPA Services	54000	$ 846,548.00	$ (94,900.00)	$ 751,648.00	$ 578,511	$ 173,137.10
PLANNING & REG.	27	Other Professional Services	54000	$ 344,500.00	$ 80,000.00	$ 424,500.00	$ 309,316	$ 115,184.15
PLANNING & REG.	48	EPA & Others	54000	$ 10,500.00	$ -	$ 10,500.00	$ 8,952	$ 1,548.00
PLANNING & REG.	65	Office Supplies	54000	$ 1,500.00	$ -	$ 1,500.00	$ 900	$ 600.00
PLANNING & REG.	77	Training & Materials	54000	$ -	$ -	$ -	$ -	$ -
PLANNING & REG.	85	Lbr cost chrgd to W.O.	54000	$ (5,375.00)	$ -	$ (5,375.00)	$ -	$ (5,375.00)
		TOTAL PLANNING & REG.		**$ 2,224,696.00**	**$ 19,850.00**	**$ 2,244,546.00**	**$ 1,514,143**	**$ 730,403.11**

GUAM POWER AUTHORITY
GROSS GENERATION, SALES, LINE LOSSES

		24-Month	12-Month	Apr-22	Mar-22	Feb-22	Jan-22	Dec-21	Nov-21
A	Gross Generation	3,406,159,380	1,709,788,601	138,104,767	144,162,220	125,405,604	136,781,207	141,510,907	143,458,809
B	Station Use	131,143,303	64,260,001	4,305,389	4,381,495	4,278,756	6,066,968	5,487,865	5,487,865
C	Net Send Out (A-B)	3,275,016,077	1,645,528,600	133,799,378	139,780,725	121,126,848	130,714,239	136,023,042	137,970,945
D	Sales to Navy (@34.5Kv)	622,795,270	312,216,368	24,814,899	26,772,254	23,776,240	25,636,295	25,636,295	25,554,904
E	GPA-metered (C-D)	2,652,220,807	1,333,312,232	108,984,479	113,008,471	97,350,608	105,077,944	110,386,747	112,416,041
F	Power factor adj.								
G	Adjusted (E-F)	2,652,220,807	1,333,312,232	108,984,479	113,008,471	97,350,608	105,077,944	110,386,747	112,416,041
	GPA KWH Accountability:								
H	Sales to customers (accrual basis)	2,458,924,541	1,240,145,924	100,845,986	105,211,724	90,203,305	96,730,742	101,636,487	105,042,276
I	GPA use-KWH	7,723,970	3,705,583	292,603	300,303	264,653	280,752	291,078	287,168
	No of days	730	365	30	31	28	31	31	30
J	Unaccounted for KWH (G-H)	185,572,296	89,460,724	7,845,890	7,496,444	6,882,650	8,066,451	8,459,183	7,086,596
	Ratio of Unaccounted KWH:								
K	Ratio to Gross Generation (J/A)	5.45%	5.23%	5.68%	5.20%	5.49%	5.90%	5.98%	4.94%
L	Ratio to Net Generation (J/C)	5.68%	5.45%	5.88%	5.37%	5.69%	6.18%	6.23%	5.15%

GUAM POWER AUTHORITY

GROSS GENERATION, SALES, LINE LOSSES

	24-Month	12-Month	Apr-22	Mar-22	Feb-22	Jan-22	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21	Jun-21
A Gross Generation	3,408,159,380	1,709,708,601	138,104,767	144,162,220	125,405,604	136,781,207	141,510,907	143,458,809	143,458,809	143,628,285	144,716,574	150,734,950	147,664,100
B Station Use	131,143,303	64,200,001	4,305,309	4,381,495	4,278,756	6,066,968	5,487,865	5,487,865	6,192,527	5,917,853	6,054,913	6,029,882	4,878,408
C Net Send Out (A-B)	3,275,016,077	1,645,528,600	133,799,378	139,780,725	121,126,848	130,714,239	136,023,042	137,970,945	137,266,283	137,710,432	138,661,661	144,705,068	142,785,693
D Sales to Navy (@34.5Kv)	622,795,270	312,216,368	24,814,899	26,772,254	23,776,240	25,636,295	25,636,295	25,554,904	26,426,178	26,815,294	26,692,993	27,207,666	26,320,434
E GPA-metered (C-D)	2,652,220,807	1,333,312,232	108,984,479	113,008,471	97,350,608	105,077,944	110,386,747	112,416,041	110,840,105	110,895,138	111,968,668	117,497,402	116,465,259
F Power factor adj.													
G Adjusted (E-F)	2,652,220,807	1,333,312,232	108,984,479	113,008,471	97,350,608	105,077,944	110,386,747	112,416,041	110,840,105	110,895,138	111,968,668	117,497,402	116,465,259
GPA KWH Accountability:													
H Sales to customers (accrual basis)	2,458,924,541	1,240,145,924	100,845,986	105,211,724	90,203,305	96,730,742	101,636,807	105,042,276	102,748,332	101,952,511	104,119,326	108,804,082	111,454,063
I GPA use-KWH	7,723,970	3,705,583	292,603	300,303	264,653	280,752	291,078	287,168	293,833	292,992	300,012	351,522	358,032
No of days	730	365	30	31	28	31	31	30	31	30	31	31	30
J Unaccounted for KWH (G-H)	185,572,296	89,460,724	7,845,890	7,496,444	6,882,650	8,066,451	8,459,163	7,086,596	7,797,940	8,649,636	7,509,330	8,341,878	4,653,163
Ratio of Unaccounted KWH:													
K Ratio to Gross Generation (J/A)	5.45%	5.23%	5.68%	5.20%	5.49%	5.90%	5.98%	4.94%	5.44%	6.02%	5.19%	5.53%	3.15%
L Ratio to Net Generation (J/C)	5.68%	5.45%	5.88%	5.37%	5.69%	6.18%	6.23%	5.15%	5.69%	6.29%	5.45%	5.78%	3.27%

	May-21	Apr-21	Mar-21	Feb-21	Jan-21	Dec-20	Nov-20	Oct-20	Sep-20	Aug-20	Jul-20	Jun-20	May-20
A Gross Generation	150,162,366	146,755,791	143,199,555	128,219,926	138,859,673	139,327,944	141,850,616	141,814,406	135,793,505	143,979,280	146,743,934	145,789,873	144,036,277
B Station Use	5,178,082	5,575,607	5,023,925	5,241,210	6,010,416	5,630,731	5,709,658	5,778,857	4,875,918	6,027,252	5,444,570	5,837,183	5,727,976
C Net Send Out (A-B)	144,984,284	141,180,184	138,175,630	122,978,716	132,849,257	133,697,213	136,140,958	136,035,549	130,917,587	137,952,027	141,299,364	139,952,690	138,308,301
D Sales to Navy (@34.5Kv)	26,562,916	23,118,519	25,707,988	23,290,980	26,998,129	26,077,078	27,037,233	25,913,357	23,875,625	26,232,462	27,387,340	27,911,363	27,028,828
E GPA-metered (C-D)	118,421,368	118,061,665	112,467,642	99,687,736	105,851,128	107,620,135	109,103,725	110,122,192	107,041,962	111,719,565	113,912,024	112,041,327	111,279,473
F Power factor adj.													
G Adjusted (E-F)	118,421,368	118,061,665	112,467,642	99,687,736	105,851,128	107,620,135	109,103,725	110,122,192	107,041,962	111,719,565	113,912,024	112,041,327	111,279,473
GPA KWH Accountability:													
H Sales to customers (accrual basis)	111,397,170	102,149,537	104,250,386	91,907,713	102,210,199	101,975,530	101,403,018	101,601,316	97,870,225	105,104,820	105,728,585	103,075,551	103,501,717
I GPA use-KWH	352,635	354,803	327,838	304,905	332,798	343,929	346,903	285,786	335,204	354,276	356,094	346,235	329,764
No of days	31	30	31	28	31	31	30	31	30	31	31	30	31
J Unaccounted for KWH (G-H)	6,671,563	15,557,645	7,889,418	7,475,838	3,308,139	5,300,656	7,353,724	8,235,090	8,836,533	8,260,469	7,827,345	8,619,541	7,447,972
Ratio of Unaccounted KWH:													
K Ratio to Gross Generation (J/A)	4.44%	10.60%	5.51%	5.83%	2.38%	3.80%	5.18%	5.81%	6.51%	5.74%	5.33%	5.91%	5.17%
L Ratio to Net Generation (J/C)	4.61%	11.05%	5.72%	6.09%	2.50%	3.97%	5.42%	6.07%	6.77%	6.00%	5.55%	6.17%	5.40%