Bringing Energy Solutions to You

Insights

A monthly newsletter for all GPA Customers • Issue No. 86 • May 2024

Brighter Days Ahead

Scan the QR code to learn more about how GPA is addressing the generation capacity shortfall.

UPDATES

Addressing Generation Capacity Shortfall

Piti 7 Repair of the Plenum
ECD: December 3, 2023
Capacity: 22MW to 30MW
✔ **COMPLETED AHEAD OF SCHEDULE 11/30**

Utilizing Existing Battery Energy Storage System (ESS)
ECD: *Available to use in* Feb 2024
Capacity: 16MWH *to be utilized during peak hours*
✔ **CURRENTLY IN USE**

Repairing the Typhoon- Damaged Yigo Combustion Turbine
Updated ECD: April 2024
Capacity: 20MW
** Currently operating at 16MW pending further maintenance.*

Procuring Temporary Power
Updated ECD: July 2024
Capacity: 20MW
** Procurement issues resolved.*

Increasing Existing Cummins diesel units located at Yigo site
ECD: May 2024
Capacity: 14MW

Returning Caterpillar and Wartsila Units to Service
(Tenjo, Talo'fo'fo & Manenggon/Pulantat)
ECD: May 2024
Capacity: 16MW
** Talo'fo'fo operating at 4MW*

Restoring Capacity for Yigo Diesel units to be placed adjacent to the Tenjo Vista Plant
ECD: September 2024
Capacity: 20MW

Continuing to Expand Interruptible Load Capacity
ECD: Ongoing
Capacity: *Approximately* 16MW *currently*

**ECD is Expected Completion Date*

20MW of Capacity Added to the Grid

As Part of Plans to Alleviate Load Shedding Throughout the Summer



The Yigo Combustion Turbine (CT) has returned to service providing 16 megawatts (MW) of capacity to the Island Wide Power System (IWPS). The Yigo CT was out of service due to significant damage from Typhoon Mawar almost a year ago. Additional work on the unit will continue over the next two months to bring its total capacity to 20MW.

The Talofofo Diesel Unit 2 also returned to service providing 4MW of capacity to the IWPS after not being available for several months. The return of these units totaling 20MW of capacity is a significant step in GPA's plan to mitigate load shedding.

"Despite facing setbacks from natural disasters and other delays, GPA's operations teams have effectively managed to minimize disruptions the past few months to our customers in the face of a generation capacity shortfall. We remain committed to maintaining operational efficiency and enhancing our power capacity as we work towards the commissioning of the Ukudu Power Plant on September 15, 2025," stated General Manager John M. Benavente, P.E.

The restoration of the Yigo CT is part of GPA's comprehensive strategy to address the island's energy capacity shortfall. By bringing the turbine back to the grid, it substantially helps meet the growing energy demands of Guam's residents and businesses and alleviates load shedding, particularly as we approach the warmer months of the year.

Plans to bring the Tenjo and Manengon Diesels back to service are on track. Teams are conducting significant repairs and rehabilitation of the units and anticipate an additional 12MW can be brought into the IWPS sometime in May. Additionally, the 20MW temporary power contract with Aggreko is progressing on time. GPA and Aggreko are working collaboratively and expeditiously to get the units online by July. GPA continues to work on a multipronged approach to resolve its power system shortfall, increase generation capacity and mitigate load shedding.

"We understand the importance of a stable and reliable power supply for residents and businesses, especially as we head into the summer season," added Jennifer Sablan, P.E., Assistant General Manager of Operations. "Though we are not out of the woods yet, we thank our customers for assisting in monitoring their peak usage between 5-11 pm and ask for your continued support to beat the peak," Sablan added.

GPA thanks the community for their patience and understanding during the restoration process.

Infrastructure On Track for Ukudu Power Plant Commissioning by September 15, 2025

As GPA continues its steady progress in support of the Ukudu Power Plant, expected to be commissioned by September 15, 2025, work is underway for projects to support the new plant.

Specifically, the supporting transmission lines and pipeline projects will serve as vital arteries in the island's power distribution network, facilitating the seamless transfer of electrical power to and from the Harmon Substation to the Ukudu Plant. Simultaneously, the future pipeline will be dedicated to transporting essential fuel supplies, including Ultra Low Sulfur Diesel (ULSD) and potentially Liquid Natural Gas (LNG), along with a fiber network to support GPA's digital infrastructure for the smart grid.



Pipeline Construction Progress:

- Construction on Route 16 began on January 26, 2024, and is still underway.
- Excavation work has commenced along Route 34, laying the groundwork for the pipeline's route.
- Excavation near the Barrigada Post Office began on February 12, 2024, extending the pipeline's reach into strategic areas.
- Collaborative efforts with the Department of Public Works (DPW) are ongoing to secure necessary permits for the remaining segments of Route 16.

Transmission Line Development Updates:

- Reviews of design and material specifications for transmission lines are currently in progress.
- Clearing of the designated area between Harmon Substation and the Ukudu Plant has been completed, setting the stage for transmission line installation.
- Pole foundation work within the Harmon Substation was completed.
- Installation work is ongoing to connect the transmission line between the Harmon Substation and the Ukudu Plant, ensuring seamless energy transmission.

The pipeline and transmission line projects are critical components in supporting the Ukudu Power Plant's operations and advancement of the Clean Energy Master Plan (CEMP). Simultaneously, GPA is actively pursuing amendments to the Energy Conversion Agreement (ECA) with Guam Ukudu Power, LLC (GUP). These amendments are crucial for aligning project timelines with the Ukudu Power Plant's commissioning date. Although the amendments to the ECA were approved by the Consolidated Commission on Utilities, review and approval by the Public Utilities Commission (PUC) is pending.

For more information on the Clean Energy Master Plan and the status of the Ukudu Power Plant, visit www.guampowerauthority.com.

20MW Added to Capacity Reserves to Migitate Load Shedding

Potential Rotating Outage Schedule Maintained as Precautionary Measure

Although tangible progress in advancing plans to address the generation shortfall, GPA has announced the release of the May Potential Rotating Outage Schedule as a precautionary measure. It is GPA's intent to assist residents in preparing for outages in the event that energy demand exceeds capacity. While GPA recognizes the inconvenience these measures may cause, the schedules are intended to ensure the community is adequately informed and prepared. The May schedule is a carryover from April with no schedule changes.

Customers are urged to conserve energy, particularly during peak periods from 5 pm to 11 pm, to alleviate strain on the power grid. Simple measures such as raising air conditioning temperatures to 75 degrees or higher and turning off water heaters during peak hours can significantly contribute to stabilizing the power supply.

Beat the Energy Peak Between 5-11 pm

GPA continues to encourage customers to conserve energy during peak hours. Raising a/c temps to 75 degrees or higher and turning off water heaters between 5-11 pm are two simple steps residents can take that would contribute greatly to the overall stability of the power grid.

Energy Credits Conclude

GPA reminds customers that the third and final increment of the current Prugråman Ayuda Para I Taotao-ta Energy Credit was applied to all qualified GPA residential and commercial accounts. With no current extension of the credit program in place, customer can expect to see an impact on their bills.

Bill 277-37(LS) which would extend the energy credit program and provide $300 in additional energy credits for active GPA account holders from April through June 2024 has been introduced by Senator Will Parkinson. The measure is pending action by the Guam Legislature.

Preparation for Summer Months

With the closure of the Homeowner Assistance Fund, customers are encouraged to prepare their homes to save energy during Guam's summer months. Income-eligible customers are also encouraged to contact the Guam Energy Office about the Weatherization Program.

GPA appreciates the continued cooperation and understanding of the community as we navigate these temporary challenges together. GPA remains committed to providing reliable and sustainable power to the residents and businesses of Guam.

Guam Energy Expo 2024





GPA teams joined forces and partnered with Guam Energy Office (GEO) to educate and engage attendees on energy efficiency and conservation at the recent Guam Energy Expo. From insightful discussions on power-saving techniques to live demonstrations of online tools like Energy Sense Online Rebates and My Energy Guam, patrons were equipped with information to take charge of their energy consumption.

MONTH	AVG. HRS./ FEEDER	DAYS OF OUTAGES
Sep 2023	5.7	20
Oct 2023	2.3	11
Nov 2023	4.8	9
Dec 2023	0.6	4
Jan 2024	0.9	4
Feb 2024	0.9	1
Mar 2024	0.5	1
Apr 2024	0.2	1

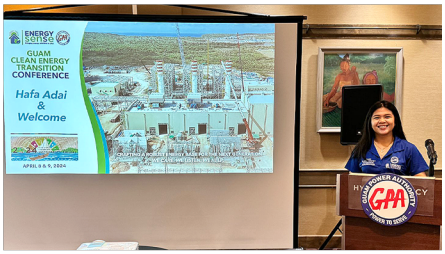
**Prior Avg. Hrs/Feeder data have been audited and updated as of Feb 2024.*

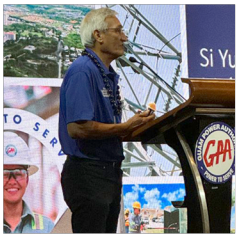
Scan the QR code and visit our social media pages to stay informed about rotating outages in your area.

Load Shedding Data as of April 29, 2024

- Actual Outage Days in April: **1**
- Actual Outage Days for 4/1 through 4/29: **1**
- Actual Hrs/Feeders Lost in April (through 4/29): **0.21**
- Avg. Hrs/Feeders Lost since September 1, 2023: **12.2**

GPA's Guam Clean Energy Transition Symposium 2024







For the second consecutive year, GPA leaders have chosen the Guam Clean Energy Transition Symposium, held at the 15th University of Guam Conference on Island Sustainability, as the platform to report its renewable energy progress. This year's 2-day symposium took place on Monday & Tuesday, April 8 & 9, 2024, at the Hyatt Regency Guam.

GPA will achieve 50 percent renewable energy for the island by 2030. GPA General Manager John M. Benavente, P.E., is also optimistic about achieving this target even before that date.

GM Benavente, in his presentation on "The Journey to Affordable, Reliable, Resilient Energy on a Sustained Basis" at the symposium, also emphasized the importance of partnerships across different sectors to make this happen.



Ways to Pay Your Bill

NOTICE: For those who make utility payments at the bank, be sure to check with your bank for their updated policies.

Online
Visit PayGPA.com or Download the Pay GPWA App

PayGPWA mobile app

You can also pay your GWA water bill on the app.

Pay By Phone
(671) 647-5787
Mon-Fri 7:30am to 5pm

Afterhours
1 (855) 977-2002 Toll Free

Mail-In
Mail CHECK payments to:
Guam Power Authority
P.O. Box 21868,
Barrigada, GU 96921

Drop Box
Drop CHECK payments to:
Gloria B. Nelson Public Svc. Bldg.
688 Route 15, Fadian
along back road to Andersen

Drive-Thru
Cash, Check & Credit Card payments are accepted at:

GPWA Upper Tumon Office
Mon-Fri 7:30am to 3:30pm
Sat 8am to 12pm

In Person
Customer Service Center & Main Office, GPA Fadian
Mon-Fri 7am to 5pm

Hagåtña Satellite Office
Julale Shopping Center
Mon-Fri 8am to 5pm

GPWA Upper Tumon Office
Mon-Fri 7:30am to 6pm
Sat 8am to 12pm

Other
Your Bank
Subject to individual bank policies

All Treasurer of Guam Locations

At GPA, you can also pay your GWA water and GSWA trash bills.

GPA GOVERNANCE & LEADERSHIP

Your elected Consolidated Commission on Utilities (CCU) holds two (2) working sessions and one (1) regular meeting monthly. Meeting location is the CCU Conference Room, Gloria B. Nelson Public Service Building in Fadian, Mangilao. For more information and agencies, call the CCU Board Secretary at (671) 648-3002 or visit www.guamccu.org.

Joseph "Joey" T. Duenas (Chairman)
T (671) 686-1512 • E joey49duenas@gmail.com

Francis E. Santos (Vice Chairman)
T (671) 482-9355 • E francis.santos@gpagwa.com

Pedro Roy Martinez (Secretary)
T (671) 488-1957 • E prmguam@gmail.com

Simon A. Sanchez II (Commissioner)
T (671) 488-1010 • E gdcmgr@guamdrycleaners.com

Michael Limtiaco (Commissioner)
T (671) 888-6280 • E mlimtiaco671@gmail.com

John M. Benavente, P.E. (General Manager)
T (671) 648-3225 • E jbenavente@gpagwa.com

View your energy usage at myenergyguam.com

The Guam Power Authority has been serving Guam for 55 years. Contact us to let us know what updates and information we can provide to help you better understand the work we do; or ways we can better serve you. ***Email us at:*** customersfirst@gpagwa.com or send us a ***Direct Message*** on our Facebook.