



GUAM POWER AUTHORITY

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FOR IMMEDIATE RELEASE

August 20, 2026

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Power System Status Update: GPA Provides Update on Generation Availability

(Fadian, Mangilao) – The Guam Power Authority (GPA) is providing an update on current generation conditions as the Ukudu Power Plant continues to operate at reduced capacity and several of GPA generating units require scheduled maintenance and/or repairs.

The Ukudu Power Plant has been providing energy to the Island Wide Power System (IWPS) since December 2025 and is designed to provide approximately 198 megawatts (MW) in combined-cycle operation. With its steam turbine currently offline for repairs, the plant's three combustion turbines are providing a reduced output of approximately 90 MW to the grid. GPA is monitoring the status of the repairs. Guam Ukudu Power (GUP), the independent power producer that owns and operates the plant, anticipates returning the steam turbine to service by end of August.

GPA recognizes that customers expected the addition of Ukudu to increase generation reserves and significantly reduce the likelihood of load shedding. With the steam turbine offline, however, the plant is temporarily providing less than half of its designed capacity. Upon the commissioning of Ukudu, GPA was required to permanently shutdown Cabras Power Plant 1&2 resulting in a loss of 50 MW capacity.

GPA is working to return unavailable capacity by completing maintenance and overhauls on generating units that had been deferred during the previous capacity shortage to keep those units available. This work was scheduled after Ukudu added capacity to the system. The combination of Ukudu's reduced output, scheduled maintenance and unexpected unit repairs has tightened generation reserves in recent weeks.

To mitigate the current generation shortfall, GPA is working to return unavailable units to service as quickly as practicable, adjusting maintenance schedules where possible, maximizing available generation across the system, and closely monitoring peak demand and reserve capacity.

On Tuesday, August 18 at about 5:47 a.m., available generation capacity had decreased from 259 MW to approximately 216 MW while emergency repairs were performed on Piti Unit 8. The repair was targeted to be completed by 5 p.m., but unfortunately the unit experienced an additional issue and didn't return to service until around 9 p.m. last night, which subsequently ended load shedding.

GUP initially took the steam turbine offline on June 23 to address operating issues on the steam turbine, with a planned return to service by July 8. Upon completion of the repairs they identified issues with it's the steam turbine turning gear spring supports that also required replacement. Because these parts are special-order components, the steam turbine outage has been extended to approximately August 28.

The recent load shedding and extended steam turbine outage have also raised questions about Ukudu's long-term reliability. GPA General Manager John M. Benavente, P.E. said, "The issues identified during the plant's early operating period are not out of the ordinary, but they must be corrected now to support reliable performance over its operating life."

“We understand why customers have questions when a new plant experiences extended repairs, some adjustments and repairs during the early operation of a new generating facility are expected, but that does not lessen the importance of addressing them. The priority is to identify and correct these issues now so Ukudu performs reliably over the long term, particularly because the plant will ultimately be transferred to the people of Guam under the 25-year Build-Operate-Transfer agreement.” Benavente added.

GPA continues to monitor Ukudu's output, efficiency and overall performance to ensure the plant performs as required under the Energy Conversion Agreement (ECA).

Load shedding remains a last resort and is implemented only when customer demand exceeds available generation. GPA continues to coordinate maintenance and repairs across the system to maximize available capacity and minimize impacts to customers. A copy of the most current Potential Rotating Power Outage Schedule released in July 2026 is attached and remains the latest update.

Customers can help reduce pressure on the system by conserving electricity during the evening peak period, particularly between 5 p.m. and 11 p.m., while generation reserves remain constrained.

GPA will continue to provide updates on generation availability and the Ukudu steam turbine repair.

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