



GUAM POWER AUTHORITY

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System Status Update: GPA Reports Progress on Generation Availability

(Fadian, Mangilao) – Guam Power Authority (GPA) is reporting improved generation availability as output from the Ukudu Power Plant has increased and repairs to the plant's steam turbine continue to progress. GPA General Manager John M. Benavente, P.E., provided the update Tuesday during the regular meeting of the Consolidated Commission on Utilities (CCU).

Since late afternoon on August 22, 2026, Ukudu's three combustion turbines have been operating at approximately 45 megawatts (MW) each, providing a combined 135 MW to the Island Wide Power System (IWPS). This is a 45 MW increase from the approximately 90 MW the plant had been providing while operating at reduced capacity.

The increased output follows a temporary waiver, allowing Ukudu to increase production from its combustion turbines while the steam turbine remains offline. Ukudu was designed using the best available technology and operates under significantly more stringent air permit limits than Guam's older combustion turbines.

Meanwhile, repairs to the steam turbine are moving forward. Replacement spring supports have arrived on Guam, a technical adviser from the manufacturer is on island to oversee the work, and Guam Ukudu Power (GUP), the independent power producer that owns and operates the plant, has completed preparations necessary for the repair. GUP currently anticipates returning the steam turbine to service by August 31.

Once the steam turbine returns to service, Ukudu is designed to provide approximately 198 MW in combined-cycle operation. GPA expects the additional capacity of 60 MW to significantly reduce the risk of load shedding.

"We have made progress in improving available generation, but we are continuing to pursue every available option to strengthen reserves," Benavente said. "The additional 45 MW from Ukudu has already placed the system in a better position. The next major milestone is the return of the steam turbine, which will provide additional capacity and significantly reduce the risk of load shedding."

The progress on the steam turbine repairs and increase in Ukudu's available output are important steps toward resolving operating issues identified during the plant's early service period. GPA continues to monitor the new plant's performance under the 25-year Energy Conversion Agreement (ECA) to ensure operating issues are corrected and long-term reliability requirements are met before the plant is ultimately transferred to GPA.

Beyond Ukudu, GPA's immediate objective is to fix existing generators and restore additional capacity so the system has sufficient reserves when a generating unit experiences an unexpected outage. Once the Ukudu steam turbine and other recovered capacity are restored, GPA projects approximately 433 MW of available generation against peak demand of about 270 MW. GPA's longer-term generation plan increases total system capacity to over 600 MW by December 2029 with the completion of the Phase IV Renewable Energy projects, including energy-shifting batteries and the centralized battery energy storage system.

Maintaining sufficient reserves is particularly important during periods of elevated customer demand, including the hot weather experienced in recent weeks. Load shedding remains a last resort and is implemented only when customer demand exceeds available generation.

GPA urges customers to conserve electricity, particularly during the evening peak period from 5 p.m. to 11 p.m. Reducing unnecessary air-conditioning use and delaying the use of high-energy appliances can help lower demand and preserve generation reserves while additional capacity is returned to service.

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