



GUAM POWER AUTHORITY

ATURIDÁT ILEKTRESEDÁT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

FOR IMMEDIATE RELEASE

FOR MORE INFORMATION CONTACT

ART S. PEREZ

COMMUNICATIONS MANAGER

PHONE NO.: 648-3000

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MORE FAST TRACK GENERATING UNITS COMING ONLINE

GPA is working to get more fast track generating units on-line. Repair and preparatory work are ongoing at three of the Authority's 20 megawatt combustion turbine (CT) units, Dededo CT no. 2, Macheche and Yigo CT. All three CT units will add an additional 60 megawatts of reserve that can be brought online to support maintenance, overhauls or emergency shutdowns at other GPA baseload generating units.

"These units represent one part of the Authority's generating mix that has been used to provide recovery and support during typhoon restorations and blackouts," stated Joaquin C. Flores, P.E., GPA General Manager, "Bringing these units back online will add operational flexibility to support Guam's power needs during peak hours, for spinning reserve and to support additional load from the pending military buildup."

The CTs are one part of a larger project that will connect some large load centers to major substations via underground transmission lines allowing for possible electric service during storms or quicker recovery during disaster restoration. The Dededo CT Plant is connected to Andersen Air Force Base via an underground transmission line and the Yigo CT is within close range to Andersen Air Force Base.

"Construction work to connect the Macheche CT to the Guam International Airport Terminal (GIAT) is ongoing as can be seen with the trenching work along Harmon Loop Road," remarked Flores, "These fast track assets are crucial during disaster recovery and can provide needed generation reserves as Guam's power needs grows – additionally, the Authority is currently working to diversify its generation assets with more alternative and renewable energy resources e.g. wind mills."

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Editor's Note: The PUC recently approved funding for GPA to conduct an assessment of repair work to Dededo CT 2. GPA maintenance crews will dismantle the unit to prepare the generator rotor for inspection soon.