GUAM POWER AUTHORITY
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FOR IMMEDIATE RELEASE

February 1, 2024

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Advancements in Procuring Temporary Power Amid Minimal January Outages; Precautionary 1-Hour Rotating Schedule Extended

(Fadian, Guam) – The Guam Power Authority (GPA) is committed to keeping the public informed about its efforts to improve power generation capacity to reduce the risk of load shedding. Efforts are underway, notably, the approval of two resolutions by the Consolidated Commission on Utilities (CCU) to proceed on projects adding **54 MW** of energy to Guam's grid over the next 6-9 months. GPA's multipronged approach and near term solutions include the following key projects:

- Adding *20 MW* capacity of temporary power by April/May 2024 (pending PUC Approval); and
- Increasing *14 MW* capacity of existing Cummins diesel units located at Yigo site by May 2024; and
- Restoring *20 MW* capacity of Yigo Diesel units to be placed adjacent to the Tenjo Vista Plant by September 2024 to serve the southern community.

GPA is also anticipating the return to service of the *typhoon-damaged 20 MW Yigo Combustion Turbine (CT) in March 2024*. This will add about **74 MW** to the Island Wide Power System (IWPS). These projects serve as a crucial bridge to the commissioning of the Ukudu Power Plant anticipated around September of 2025.

In addition, other key projects are also underway to increase capacity which include:

- Utilizing *16 MWH* of existing Battery Energy Storage System (ESS) for peak hours, anticipated sometime in February 2024; and
- Returning *16 MW* of Caterpillar and Wartsila units to service by May 2024 (Tenjo, Talo'fo'fo, Manenggon/Pulantat); and
- Continuing to expand the existing *16 MW* of interruptible load capacity, ongoing.

While there is optimism about the near term goals to increase power reserves, there is still work to be completed, thus, the potential 1-hour rotating outage schedule is extended through ***February 29, 2024***, as a precautionary measure to ensure residents can prepare for possible outages during the month. GPA notes that load shedding of circuits were nominal last month, with just 5 actual outage days impacted in the month of January.

General Manager John M. Benavente, P.E. stated, "The recent progress in temporary power procurement signifies our commitment to ensuring a reliable power supply. Despite minimal outages in January, the extension of the precautionary schedule is a proactive measure to ensure our customer can prepare for any potential outages. We are not out of the woods yet, so I continue to urge residents and businesses to continue to implement power conservation plans, especially during peak hours between 5 pm -11 pm."

Load Shedding Data as of January 31, 2024

GPA notes that the load shedding outage data through January 31, 2024 demonstrates nominal overall impact.

Actual Outage Days in January 2024: 5 days
Average Hrs./Feeder Lost for January 2024: 1.1 hours
Average Hrs./Feeders Lost since September 1, 2023: 15.2 hours

GPA continues to encourage customers to conserve energy during peak hours. Simple steps, such as minimizing the use of non-essential electrical appliances such as air conditioning and water heaters between 5 p.m. to 11 p.m. can contribute to the overall stability of the power grid.

Additionally, GPA recommends preparing your home for the upcoming hotter months by:

- Applying a reflective coating on your roof; and
- Servicing your a/c unit to ensure it operates efficiently before it gets hotter; and
- Replacing older less efficient a/c units with energy efficient a/c units; and
- Sealing any leaks around windows and doors with weather stripping or caulk to prevent hot air from entering and cool air from escaping.

For additional energy saving tips, please visit our website:
https://energysense.guampowerauthority.com/savings-tips#

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.

For the latest information on rotating outages and tips to conserve energy during peak hours, please visit GPA's website at www.guampowerauthority.com and follow our social media pages. The February 2024 schedule is posted on the website.

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Attachments: February Potential Outage Schedule, FAQ's

Potential Rotating Outage Schedule
https://guampowerauthority.com/potential-rotating-outage-schedule

Beat the Peak: https://guampowerauthority.com/beatthepeak

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Frequently Asked Questions
Monthly Potential Rotating Outage Schedules

1. **Why is GPA implementing a rotating outage schedule?**
   The recent damage inflicted by Typhoon Mawar has left our power generation infrastructure vulnerable over the next four months and in need of attention. As we work diligently to restore full operational capacity, GPA faces the challenging task of maintaining a stable power supply amidst varying energy demand in the interim. The schedule is to give customers notice to adjust for the potential outages in the event power supply cannot meet customer demand. The rotating outage schedule is being issued as a precautionary notice to allow customers to plan accordingly should outages be necessary while critical generation units are under repair.

2. **Does my schedule mean that my power will go out during all the times listed?**
   No. Outages will be conducted according to the schedule only *if the anticipated demand* from customers between the hours of **4 pm to 11 pm** exceeds GPA's available energy capacity. GPA will, **as a last resort**, implement rotating outages lasting up to 1-hour. Power will be reconnected to all affected customers at the top of each hour, if not sooner.

3. **Why did my power not go out even though I was scheduled for an outage?**
   When energy supply is sufficient to meet customer demand, GPA will not implement scheduled outages. This is why conservation during the hours of 5 pm – 11 pm is crucial. By minimizing energy consumption during these hours, we can significantly reduce the strain on our fragile infrastructure, potentially avoiding the need for rotating outages altogether.

4. **Why did my power go out, but it wasn't on the schedule?**
   Maintenance outages, emergency outages, and other types of outages are not covered under this schedule.

   Customers may experience outages caused by something other than generation shortfall. The most common occurrences include outages caused by down or damaged power lines, auto-pole collision, brown treesnake, vegetation, or transformer issues.

5. **Why does the schedule change monthly?**
   Rotating outage schedules can change monthly due to shifting energy demand and supply patterns on Guam, influenced by factors like weather and seasonal fluctuations, ongoing repairs and maintenance of current generators, which can encounter unforeseen delays or issues, which may necessitate adjustments to the outage schedule. Additionally, the Guam Power Authority (GPA) may make modifications based on successful energy procurement efforts and their strategic plans to address capacity shortfalls in the next four months.

   To keep customers informed and minimize disruptions, GPA commits to providing regular updates on the status of ongoing repairs and any alterations to the outage schedule. These updates help residents and businesses plan accordingly and stay informed about the evolving energy landscape on Guam, where demand and supply dynamics are subject to change month by month.

6. **How can I contribute to energy conservation during peak hours?**
   - To help stabilize the power grid during peak hours of 5 pm – 11 pm:
     - Turn off your water heater between 5 pm and 11 pm and use the hot water you already have in your tank.
     - Adjust Thermostats: Raise your air conditioning thermostat to 75 degrees or higher during peak hours to reduce cooling demand.
     - Limit Non-Essential Usage: During peak hours, consider minimizing the use of non-essential electrical appliances and lighting.
     - Unplug Devices: Unplug electronic devices that are not in use to prevent standby energy consumption.

7. **What is GPA's plan to address load shedding?**

   GPA aims to ensure a stable power supply for the community, bridging the gap between our current infrastructure challenges and the full operation of the Ukudu Power Plant. While short-term solutions include potential outages, they are strategically managed to minimize disruptions, and will be implemented **only as a last resort** if demand exceeds capacity.

   In addition to the Interruptible Load Program and the Beat the Peak energy conservation campaign, ongoing efforts include the expedited repair of the Yigo 20 MW Combustion Turbine Unit that was damaged during Typhoon Mawar. The return to service of the unit is targeted for March 2024.

   <u>Multipronged Approach and future solutions include:</u>
   Utilizing Existing Battery Energy Storage System (ESS):
   ECD: Available to use in February 2024
   Capacity: 16 MWH to be utilized during peak hours

   Repairing the Typhoon-Damaged Yigo Combustion Turbine:
   ECD: March 2024
   Capacity: 20 MW

   Temporary Power:
   ECD: May 2024 if no protests
   Capacity: 20 MW
   CCU Approved Resolution – Pending PUC Approval

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

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

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

   Continuing to Expand Interruptible Load Capacity:
   ECD: Ongoing
   Capacity: Approx. 16 MW currently
   **Expected Completion Date (ECD)*

8. **What is the Interruptible Load Program?**
   This program was specifically established to safeguard grid stability and make additional capacity accessible for residents during peak periods, by allowing larger customers to use their own generators during peak hours in an effort to avert potential outages. GPA is steadfastly working to bolster participation in this program for the primary purpose of safeguarding residents from power disruptions.

9. **How long will GPA be implementing monthly potential rotating outage schedules?**
   GPA plans to continue the monthly potential rotating outage schedules for the next four months, aligning with the anticipated duration required for capacity recovery of typhoon-damaged generators, generators undergoing significant maintenance, and the establishment of temporary power sources. These schedules are integral to our continuous efforts to maintain a balance in energy demand and ensure grid stability as we concurrently explore other short to mid-term solutions. As we gradually restore the typhoon-damaged power plants, we expect a reduction in the necessity for load shedding, and GPA remains dedicated to minimizing load shedding within the next few months.

10. **What is the role of the upcoming Ukudu Power Plant in this plan?**
    The Ukudu Power Plant, set to be commissioned around September of 2025, is set to generate an additional 198 MW and will play a vital role in stabilizing the power grid and meeting the island's energy needs as part of a long-term solution. Construction of the new power plant is continuing in spite of the damages incurred from Typhoon Mawar.

    Planning for Guam's sustainable future is possible with the Ukudu Power Plant and GPA's commitment to a 50% Renewable Portfolio Standard by 2030. GPA is in pursuit of more renewable energy and implementing projects and programs to support grid security, stability and reliability through a balanced approach that includes Energy Efficiency, Renewable Energy, Grid Transformation, and Transportation Electrification.

11. **How can I stay updated on these initiatives?**
    Stay connected with GPA through our website, social media channels, and customer service for the latest updates and information.