



# GUAM POWER AUTHORITY

ATURIDÂT ILEKTRESEDÂT GUÅHAN  
P.O.BOX 2977 • HAGÂTÑA, GUAM U.S.A. 96932-2977

## MEMORANDUM

To: Joephet Alcantara, Administrative Law Judge,  
Guam Public Utilities Commission (PUC)

From: Members of Strategic Planning & Operations Research Division (SPORD)

Date: August 13, 2025

Re: GPA Dkt No. 25-15 Energy Storage Systems (ESS) Phase II  
GPA's Response to ALJ's Request for Information (RFI)

---

The members of GPA SPORD provide the following information in response to the RFI.

Q1. Please provide a copy of, or direct the ALJ to, the 2022 solicitation for Phase IV Renewable Energy Resource Acquisition and the System Impact Study referenced in the Petition.

A1. See attached *MS GPA-012-23 FINAL & amendments.pdf* for Phase IV Renewable Energy multi-step invitation for bid and *SC21424-GPA Gen Interconnection SIS Report-r1.pdf* for the System Integration Study.

Q2. Is the subject Invitation for Bid ("IFB") close to final? Please provide any updated IFB Material.

A2. The IFB submitted with the second amended petition filed on August 7, 2025, is close to final (attached *Exhibit B*).

Q3. How did GPA arrive at the proposed 25-year lease term?

A3. Twenty-five years was selected to be consistent with the Phases I, II, and IV Renewable Energy Resource Acquisition Power Purchase Agreements and the Ukudu Power Plant Energy Conversion Agreement.

Q4. What's the anticipated cost for such lease? Please answer with the total cost and a break down by year.

A4. GPA costs include the fixed rate for guaranteed stored energy services. The fixed rate will be permitted to escalate at a rate of no more than 1% annually for the entire contract period. Refer to attached *Table 1 Annual Costs* for the estimated rate.

Q5. What is the funding source for the lease?

A5. LEAC.

Q6. How did GPA arrive at the 1% escalation on the fixed annual cost of the lease?

A6. The 1% escalator was selected to be consistent with the Phases II and IV Renewable Energy Resource Acquisition Power Purchase Agreements.

Q7. What are the resource capital investments involved with this project?

A7. Resource capital investments would include the costs associated with the installation and/or construction of batteries, inverters, control systems, interconnection infrastructure, labor and O&M plans.

GPA bears no upfront capital costs. GPA repays the contract on the amortized Capex over the 25-year contract period.

Q8. What, if any, will be the impact on current rates?

A8.

$\$/\text{KWH SALES (LEAC)} = \$0.0204$

$\$/\text{KWH SALES (LEAC)} = \text{ANNUAL COST} / \text{EST. 2028 SALES KWH}$

Refer to attached **Table 2 Centralized Energy Storage Battery – Estimated Costs** for the  $\$/\text{KWH SALES (LEAC)}$

#####

NOTE: GPA wishes to establish a BESS services fixed charge for customers with solar PV systems. The BESS will manage the total excess solar PV production from GPA utility scale and customer solar PV systems during the day as well as provide grid services for all customers.

Attachments

**Table 1**  
**Annual Costs**

BESS Annual Costs		
Contract Year	MODERATE ESTIMATE	
	Annual Cost w/ 1% Escalation \$	
1	\$	30,579,985.46
2	\$	30,885,785.32
3	\$	31,194,643.17
4	\$	31,506,589.60
5	\$	31,821,655.50
6	\$	32,139,872.05
7	\$	32,461,270.77
8	\$	32,785,883.48
9	\$	33,113,742.32
10	\$	33,444,879.74
11	\$	33,779,328.54
12	\$	34,117,121.82
13	\$	34,458,293.04
14	\$	34,802,875.97
15	\$	35,150,904.73
16	\$	35,502,413.78
17	\$	35,857,437.92
18	\$	36,216,012.29
19	\$	36,578,172.42
20	\$	36,943,954.14
21	\$	37,313,393.68
22	\$	37,686,527.62
23	\$	38,063,392.90
24	\$	38,444,026.83
25	\$	38,828,467.09
Total Cost	\$	863,676,630.18

**TABLE 2**  
**Centralized Energy Storage Battery - Estimated Costs**

ENERGY-SHIFTING BESS:		
MW CAPACITY (MW)		90
MWH SHIFTING		360
GRID SERVICES BESS:		
MW CAPACITY		180
MWH		90
ESTIMATED COST	\$	310,958,505
ANNUAL COST	\$	34,547,065.21
EST. 2028 SALES KWH		1,693,726,850
\$/KWH SALES (LEAC)	\$	0.0204