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BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF:	**GPA DOCKET NO. 26-06**
DEMAND SIDE MANAGEMENT INITIATIVES	**PETITION OF THE GUAM POWER AUTHORITY TO APPROVE THE FUNDING OF EXPANDED DEMAND SIDE INITIATIVES THROUGH ENERGY SENSE ACCOUNT**

The Guam Power Authority (GPA) petitions the Guam Public Utilities Commission (PUC) to approve funding the expanded list of Demand Side Management (DSM) initiatives through the DSM funds held in the Energy Sense account. In support of this petition, GPA attaches the resolution of the Consolidated Commission on Utilities (CCU) on this matter. *See* Ex. A (CCU GPA Resolution No. FY2026-10 (Jan. 27, 2025).

I. Background

GPA runs a DSM program recognized by federal and industry partners such as the U.S. Department of Energy and the Electric Power Research Institute. The program is designed to favorably affect consumer demand, system reliability, and generation investment. In Docket No.13-14, the PUC approved GPA's expansion of the program to include additional initiatives. *See* GPA Dkt No. 13-14, Order (Aug. 27, 2015) (establishing Energy Sense Fund). In Docket

No. 20-05, the PUC approved the use of LEAC funding to pay for DSM programming through the Energy Sense account, but limited initiatives to rebates and marketing. *See* GPA Dkt No. 20-05, Order (May 28, 2020).

Since that time, Guam's electrical system has changed, such that the limited permissible programming under Docket No. 20-05 no longer adequately supports the goals of grid stability, resilience and affordability. GPA wishes to expand the DSM offerings to include load shifting, controllable demand, improved forecasting of renewable generation, managed electrical vehicle charging, and analytical tools that shape and control energy consumption.

The CCU approved GPA to expand its initiatives. *See* Attach. A to Ex. A (DSM Additional Budget). GPA now seeks PUC approval to fund these initiatives through the Energy Sense Fund.

II. Request for Approval

The PUC's prior orders require GPA to obtain prior approval to use DSM funds in the LEAC-funded Energy Sense account to pay for new DSM program initiatives. The new additions to the DSM program are designed to address load shifting, controllable demand, improved forecasting of renewable generation, managed EV charging, and analytical tools that shape and control energy consumption, with the goals of establishing grid stability, resilience and affordability.

The expansion of the DSM program is a necessary component in achieving these laudable goals, because progress will be slower without the DSM expansion. The expanded program is reasonable, because it will work at achieving its goals in a true and tested manner with assistance from federal and industry partners. And finally it is prudent, because it promotes the adaptation of GPA and by extension Guam to a more successful future in terms of energy goals.

Conclusion

Based on the foregoing, GPA requests that the PUC approve the expansion of its DSM initiatives funded through the Energy Sense account. The requested expansion is reasonable, necessary, and prudent.

Respectfully submitted this 6th day of February, 2026.

Attorney for Guam Power Authority

By: _____
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CONSOLIDATED COMMISSION ON UTILITIES
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GPA RESOLUTION NO.: FY2026-10

RELATIVE TO THE AUTHORIZATION OF DEMAND SIDE MANAGEMENT (DSM) FUNDS FOR APPROVED ENERGY SENSE PROGRAMS AND SUPPORTING INFRASTRUCTURE

WHEREAS, Demand Side Management (DSM) is an established utility planning framework recognized by the U.S. Department of Energy, the Federal Energy Regulatory Commission (FERC), and leading industry organizations such as Electric Power Research Institute (EPRI) and the American Council for an Energy-Efficient Economy (ACEEE) as a comprehensive portfolio of programs designed to reduce or shift customer demand, improve system reliability, and defer costly new generation investments; and

WHEREAS, DSM is not limited to rebates for end-use equipment, but includes a wide range of modern grid-supportive strategies such as demand response, managed EV charging, time-of-use rates, electrification planning, load shifting, energy audits, customer engagement tools, peak-demand mitigation technologies, and deployment of measurement and verification (M&V) systems that allow utilities to quantify and forecast load impacts; and

WHEREAS, in GPA Docket 13-14, the Public Utilities Commission (PUC) approved GPA's expansion of its Demand Side Management Program to include ten additional energy efficiency and demand reduction initiatives such as energy audits, high-efficiency HVAC systems, commercial energy management systems, efficient lighting, water heating improvements, smart inverters, and an ESS pilot program, recognizing that these measures provide energy savings and reduce future generation needs; and

WHEREAS, in GPA Docket 20-05, the PUC authorized GPA to fund its DSM Program through the Levelized Energy Adjustment Clause (LEAC) at $1.5 million per six-month period, required DSM funds to be held in a separate Energy Sense account, and limited the use of these funds to approved DSM rebate programs and marketing activities; and

WHEREAS, as of the end of Calendar Year 2025, the Guam Power Authority (GPA) has collected a total of $13.8 million in LEAC revenues deposited into the Energy Sense Account, of which $12 million has been expended primarily through the Residential Rebate Program, resulting in an existing account balance of $1.8 million; and

WHEREAS, the *Guam Power Authority Demand Side Management Review* prepared by Utility Financial Solutions, LLC (UFS), dated February 4, 2024, calculates that GPA's DSM programs produced an estimated total island-wide value of approximately $53 million during the period from June 1, 2020 through July 31, 2023, based on customer bill savings and projected future GPA capital savings resulting from reduced energy consumption and peak demand; and

WHEREAS, Guam's electric system is rapidly transitioning to higher levels of inverter-based resources, renewable generation, and increased electrification, and traditional DSM measures focused only on energy-efficient appliances and basic demand reduction are no longer sufficient to meet emerging grid needs; GPA must therefore invest in a broader and more robust DSM portfolio that includes load shifting, controllable demand, improved forecasting of renewable generation, managed EV charging, and analytical tools that shape and control energy consumption; and

WHEREAS, the current rebate-centric limitations described in GPA Docket 20-05 do not reflect the full scope of modern DSM practices required to support a stable, resilient, and affordable grid; and

WHEREAS, GPA is requesting authorization from the Consolidated Commission on Utilities (CCU) to expand the DSM program initiatives and to petition the Guam Public Utilities Commission to utilize DSM funds through LEAC for the DSM projects listed in the attachment, which support the implementation, administration, measurement, and expansion of GPA's approved Demand Side Management offerings;

NOW, THEREFORE, BE IT RESOLVED, the Consolidated Commission on Utilities, as the Governing Body of the Guam Power Authority, does hereby approve and authorize the following:

1. The Consolidated Commission on Utilities authorizes the Guam Power Authority to

expand the approved DSM initiatives and to petition the Guam Public Utilities Commission for approval to fund these initiatives through DSM Funds held in the Energy Sense Account.

RESOLVED, that the Chairman of the Commission certifies and the Secretary of the Commission attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 27th day of January 2026.

Certified by:	Attested by:
FRANCIS E. SANTOS	**MELVIN F. DUENAS**
Chairperson	Secretary
Consolidated Commission on Utilities	Consolidated Commission on Utilities

SECRETARY'S CERTIFICATE

I, **Melvin Duenas**, Secretary of the Consolidated Commission on Utilities (CCU), as evidenced by my signature above, do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam CCU, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: _____
NAYS: _____
ABSENT: _____
ABSTAIN: _____

Attachment A: DSM Additional Budget

Attachment A - DSM Additional Budget

		CY 2026	CY 2027	Justification
1	Pilot Programs			
1.1	EV Managed Charging Services Pilot	$ 255,000	$ 1,500	The Electric Vehicle Managed Charging Services (EVMCS) pilot directly supports GPA's objectives to reduce peak demand, shift customer load to periods of higher renewable generation, and improve overall system reliability. EV charging represents one of the fastest-growing new loads on the grid, and unmanaged charging typically occurs during evening peak hours when system demand is highest. The EVMCS pilot introduces a DSM framework for direct load control, allowing GPA to modulate EV charging demand in real time and prevent sudden load spikes that would otherwise strain generation resources or accelerate the need for capacity additions. Guided by Pacific Northwest National Laboratory, this pilot enables GPA to test time-of-use pricing strategies that incentivize customers to shift EV charging to solar hours when renewable generation is abundant and marginal fuel costs are lowest. This directly aligns with the 2022 Integrated Resource Plan, which identifies managed electrification and flexible demand as essential tools for integrating inverter-based renewable resources. By shaping EV charging behavior, the program reduces evening peak load, improves system load factor, and enhances the utilization of daytime solar generation. These capabilities are consistent with the DSM requirements referenced in PUC Dockets 13-14, 20-05, and 22-08, which emphasize reducing fuel use, avoiding new capacity, and implementing best practices such as managed EV charging.
1.2	Hot Water Heater Controller 100 unit Pilot (Aquanta)	$ 28,000	$ 5,000	Water heater controllers reduce peak demand by shifting electric water heating to off-peak hours. The pilot supports DSM by validating the effectiveness of demand response technologies that can be scaled to residential and commercial customers.(Reference: GPA Docket 13-14, 9.H.)
1.3	Home Area Network Devices (HAN)	$ 195,000	$ 83,500	HAN devices provide real-time energy data to customers and support DSM behavioral programs by enabling load visibility, customer alerts, peak-time notifications, and integration with future demand response initiatives
2	Software & Subscriptions			
2.1	New Online Home Energy Assessment Tool (MEX)		$ 195,000	The MEX platform is being procured as a new service to continue providing the same online home energy assessment capabilities previously offered by GPA, ensuring uninterrupted delivery of DSM's digital audit services and continued support for customers participating in GPA's efficiency and rebate programs. (Reference: GPA Docket 13-14, 9.A.)
2.2	Commercial LED Expansion & Automation of Rebate Applications	$ 60,000		This supports DSM's commercial lighting rebate program by improving online application processing, enabling automated verification, and reducing administrative delays. Faster processing increases customer adoption of LED retrofits, lowering island-wide lighting loads and reducing peak demand. Digitizing all rebate application processes, including updates to the online rebate portal to allow access for all GPA rate schedules, including residential, commercial, government, and pre-paid customers.
2.3	Electrical Transient Analyzer Program License Renewal (ETAP)	$ 50,000	$ 50,000	ETAP serves as a critical analytical platform supporting GPA's Demand Side Management (DSM) and grid modernization initiatives. The software enables GPA to simulate the impacts of various DSM measures on the grid, including managed electric vehicle (EV) charging, distributed customer battery energy storage, thermal energy storage, and load-shifting strategies. In addition, ETAP provides valuable engineering insights that directly support Time-of-Use (TOU) analysis and rate design.
2.4	PV Design and Calculation Annual Software (Pvsyst)	$ 1,000	$ 1,000	PvSyst is required for DSM to evaluate existing and future Renewable Energy Purchase Agreement (PV system) performance, validate solar production estimates and ensure accurate forecasting. This directly informs DSM planning, grid alignment, and benefit-cost analysis. PvSyst modeling will also support future DSM applications such as Time-of-Use tariff development and evaluating energy-arbitrage opportunities.
2.5	Membership Subscription for Commercial Lighting QPL (DLC)	$ 500	$ 500	The DesignLights Consortium database is essential for DSM's commercial lighting program to ensure all incentivized products meet high efficiency and quality standards. The Qualified Products List is also critical for developing and validating the online rebate application portal.(Reference: GPA Docket 13-14, 9.G.)
2.6	Generation expansion planning software (Hitachi) to evaluate current and proposed DSM programs	$ 162,000	$ 135,000	The software is required to evaluate current and proposed DSM programs as part of the capacity expansion planning analyses integral to GPA's Integrated Resource Plan. Allows optimization of DSM versus supply-side resources. Enables GPA to model existing and future Energy Sense Rebate Programs in the software
3	Equipment			
3.1	Home Energy Audit Tools	$ 15,000	$ 15,000	GPA is expanding its roster of Qualified Energy Auditors to include Certified Energy Auditors and Certified Energy Managers capable of performing ASHRAE-level audits, and the purchase of professional audit tools ensures these auditors are fully equipped to conduct residential and commercial assessments, quantify savings, and verify DSM measures. Having the tools in place allows GPA to deliver these audit services immediately to our customer base and maintain strong M&V and program credibility. (Reference: GPA Docket 13-14, 9.A.)
4	Reporting & Analysis			
4.1	LEAC DSM Savings report (UFS)	$ 20,000	$ 20,000	This report provides third-party, impartial verification of DSM savings for inclusion in the LEAC calculation, ensuring that DSM program impacts are accurately and objectively reflected in GPA's regulatory filings.
	Total	**$ 786,500**	**$ 506,500**	