



RESOLUTION NO. 2017-24

**THE AUTHORITY REQUESTS FOR APPROVAL
OF THE DEMAND SIDE MANAGEMENT EXPANDED INITIATIVES**

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6 **WHEREAS**, in February 2015 the PUC approved GPA's implementation plan for the four
7 (4) DSM and EE programs for Central AC, Ductless Split AC, Washer and Dryer rebate program
8 for residential customers; and

9 **WHEREAS**, upon obtaining PUC approval for the use of \$1.8M from the Working Capital
10 Fund in October 2015, GPA kicked off the DSM and EE program in December 2015 for the four
11 (4) programs mentioned above; and

12 **WHEREAS**, as of April 30, 2017 GPA has paid \$444,753.50 for rebates and contractual
13 services (excluding GPA labor) to GPA Residential Customers for over 1500 energy efficient
14 equipment summarized in Exhibit A attached; and

15 **WHEREAS**, GPA continues to receive and process applications and rebates for the initial
16 four DSM and EE programs; and

17 **WHEREAS**, in July 2016, along with the GPA Revised Petition for Contract Review and
18 GPA Response to PUC Order (GPA Docket 15-05), GPA submitted the final DSM report by
19 LEIDOS referred to as the Energy Sense Program plan which proposed 18 additional DSM and EE
20 programs; and

21 **WHEREAS**, GPA is recommending at the PUC's request the Authority to expand its DSM
22 program with additional initiative shown in Exhibit B from the Energy Sense Program plan; and

23 **WHEREAS**, GPA is requesting for the approval of the expanded DSM initiatives as
24 approved by the PUC on May 25, 2017, see attached PUC Order (GPA Docket 15-05) ; and

25 **WHEREAS**, GPA intends to fund these new programs and continue to fund the initial
26 DSM and EE programs with the balance of the \$1.8M funds previously approved, and to
27 evaluate for further funding when the balance is exhausted.

28 **NOW, THEREFORE, BE IT RESOLVED**, by the CONSOLIDATED COMMISSION ON UTILITIES
29 as follows:

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- 1. Approves the ten (10) additional DSM initiatives consisting of Energy Audits, High Efficiency Rooftop Units, Building Energy Management System, High Efficiency Split Ducted A/C System, Variable Refrigerant Flow A/C (Residential & commercial), Low Flow Showerheads & Water Heaters, Lighting, Energy Storage System Rebate, and Smart Inverter System Upgrade Rebates, as shown in Exhibit B.

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

DULY and REGULARY ADOPTED this 6th day of June 2017.

Certified by:

Attested by:



JOSEPH T. DUENAS
CHAIRMAN



J. GEORGE BAMBA
SECRETARY

1 **I, J. George Bamba**, Secretary for the Consolidated Commission on Utilities do hereby
2 certifies as follow:

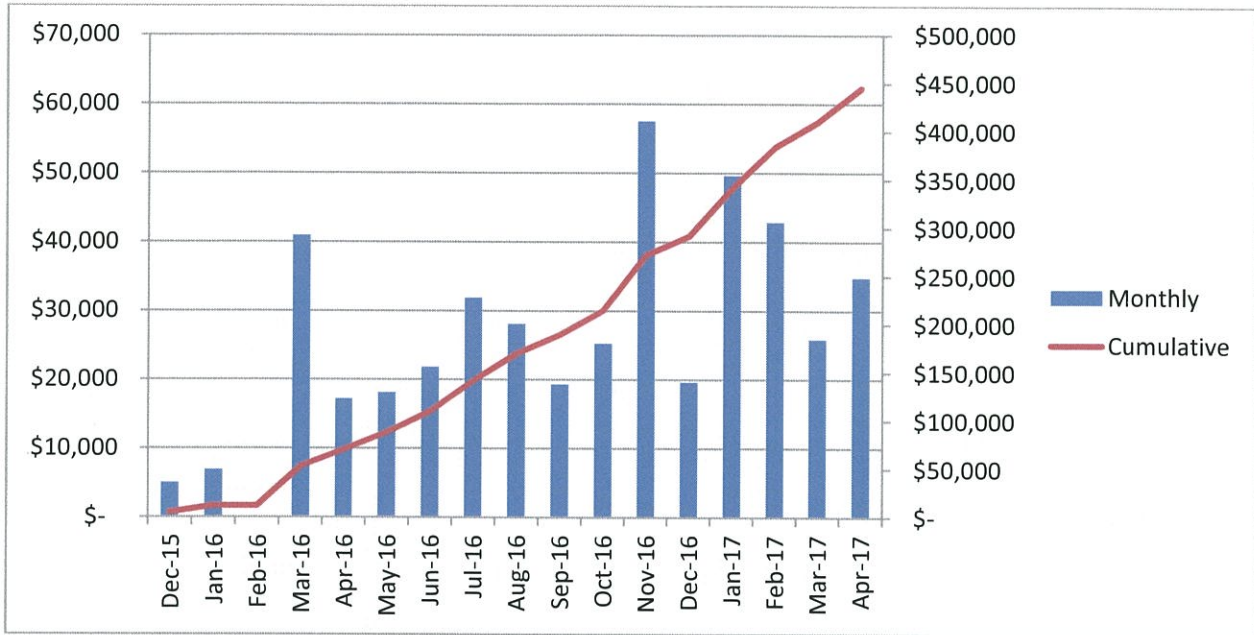
3 The foregoing is a full, true, and correct copy of the resolution duly adopted at a regular
4 meeting of the members of Guam’s Consolidated Commission on Utilities, duly and legally held
5 at a place properly noticed and advertised at which meeting a quorum was present and
6 members who were present voted as follows:

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8 AYES: 5
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10 NAYS: 0
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12 ABSTENTIONS: 0
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14 ABSENT: 0

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**Exhibit A – Summary of GPA DSM Rebate Program
for Residential Split, Ductless, Washer and Dryer Energy Efficient Equipment**

Monthly DSM Rebate Program Expenses*

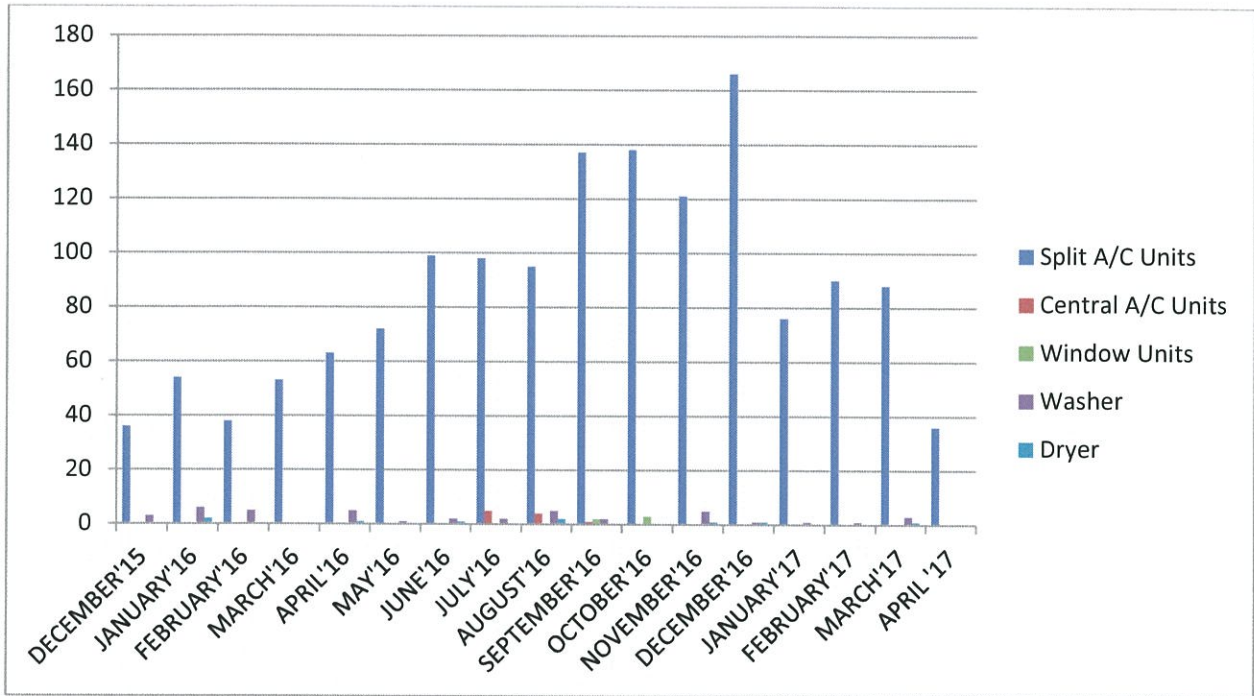


DSM Rebate Program Expenses by Fiscal Year*

Description	FY16	FY17 thru Apr	Total to Date
Regular Pay	\$11,169.02	\$14,279.61	\$ 25,448.63
Other Contractual	\$28,278.50		\$28,278.50
Paid Rebates–Split AC	\$154,700.00	\$245,950.00	\$ 400,650.00
Paid Rebates– Central AC	\$3,400.00	\$4,000.00	\$7,400.00
Paid Rebates– Washer/Dryers	\$2,800.00	\$ 5,625.00	\$ 8,425.00

**Note: Not all April 2017 applications are included as they are still being processed.*

Number of Equipment Based on Application Received- December 2015 to April 2017*



Note: Not all April 2017 applications are included as they are still being processed.

Exhibit B - DSM Expanded Initiatives

No	Customer Sector	Initiative Category	Initiative Description
1	Residential/ commercial/ industrial	Building	Energy Audits (through GPA Customer Services, Online Energy Audits, or third party hired by GPA)
2	Commercial	A/C	High Efficiency Packaged Rooftop Unit (20 ton assumed, 15 EER or better); Solar thermal assisted AC per collector (no more than four collectors)
3	Commercial	Building	Building Energy Management System
4	Commercial	A/C	High Efficiency Split, Ducted A/C System (10 ton assumed, 18 SEER or better); Solar thermal assisted AC per collector (no more than four collectors)
5	Residential	A/C	Variable Refrigerant Flow A/C
6	Commercial	A/C	Variable Refrigerant Flow A/C
7	Residential	Water Heating	Low Flow Showerheads; Energy Star Electric Water Heaters; Tankless Water Heaters
8	Commercial	Lighting	a. Internal Lighting - Tube LED Lamp, T-5 Lamp, and Low wattage T-8 Lamp b. External Lighting - LED Floodlights and LED parking lot streetlights
9	Residential/ commercial/ industrial	Energy Storage System	100 Customer ESS pilot program, residential and commercial/industrial customers
10	Residential/ commercial/ industrial	Renewables	Smart Inverter New System and Upgrade Rebates

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION



IN THE MATTER OF:) GPA Docket 13-14
)
GPA Demand Side Management,)
Program Implementation) ORDER
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INTRODUCTION

- 1. This matter comes before the Guam Public Utilities Commission ["PUC"] upon the request of the Guam Power Authority ["GPA"] to implement additional Demand Side Management Program initiatives.1

BACKGROUND

- 2. This Docket concerning the implementation of a DSM program at GPA was initiated and established by the PUC in August 2013.
3. On July 31, 2014, the PUC ordered the ALJ to conduct proceedings and work collaboratively with GPA to develop a DSM Program.2
4. On February 26, 2015, the PUC approved GPA's plan to implement certain DSM programs, including Central AC, Ductless AC, Washer, and Dryer.3
5. In its Order dated October 27, 2015, the PUC authorized GPA to utilize the sum of \$1,806,014.00 from the Working Fund for purposes of funding the DSM Program.4
6. In June of 2015, GPA Consultant Leidos submitted its Final Report to GPA concerning GPA's Energy Sense Program Plan; Leidos proposed an additional 18 programs that GPA could consider as DSM initiatives.5

1 Communications between GPA Assistant General Manager, Engineering and Technical Services, John Cruz, and PUC Administrative Judge Frederick J. Horecky, commencing in March 2017; Guam Consolidated Commission on Utilities and PUC members have also requested that new DSM programs be considered.

2 PUC Order, GPA Docket 13-14, dated July 31, 2014.

3 PUC Order, GPA Docket 13-14, dated February 26, 2015, at Ordering Provision No. 3, pg. 4.

4 PUC Order, GPA Docket 13-14, dated October 27, 2015, at Ordering Provision No. 1.

5 Leidos Consultants Final Report, June 2015, Energy Sense Program Plan (Guam Power Authority). PUC received this Report in July 2016, along with the GPA Revised Petition for Contract Review and GPA Response to PUC Order, GPA Docket 15-05, filed July 14, 2016.

7. Since March, 2017, the PUC Administrative Law Judge ["ALJ"], Assistant General Manager, Engineering and Technical Services, and certain PUC Commissioners have had discussions and meetings concerning which DSM initiatives to implement in addition to those already in the Program.⁶
8. The proposed expansion of the DSM Program was presented to the Guam Consolidated Commission on Utilities at a workshop on April 13, 2017. See CCU Workshop Issues for Discussion (Presentation), attached hereto as Exhibit "1" to the ALJ Report.
9. The Parties have determined that it was perhaps too ambitious to adopt all 18 DSM proposals at the present time, particularly as a long term funding source has not yet been identified. However, both GPA and the ALJ have agreed upon the following list of ten new DSM initiatives to be implemented:
 - A. Energy Audits (through GPA Customer Services, Online Energy Audits, or third party hired by GPA)
 - B. Commercial A/C: High Efficiency Packaged Rooftop Unit (20 ton assumed, 15 EER or better); Solar thermal assisted AC per collector (no more than four collectors)
 - C. Commercial Building Energy Management System
 - D. Commercial A/C: High Efficiency Split, Ducted A/C System (10 ton assumed, 18 SEER or better); Solar thermal assisted AC per collector (no more than two collectors)
 - E. Residential A/C: Variable Refrigerant Flow A/C
 - F. Commercial A/C: Variable Refrigerant Flow A/C
 - G. Commercial Lighting
 1. Internal Lighting – Tube LED Lamp, T-5 Lamp, and Low Wattage – T-8 Lamp
 2. Outdoor Lighting – LED Floodlights and LED parking lot streetlights
 - H. Water Heating: Low Flow Showerheads; Energy Star Electric Water Heaters; Tankless Water Heaters
 - I. 100 Customer ESS pilot program residential and commercial
 - J. Smart Inverter New System and Upgrade Rebates

⁶ Meetings were conducted on March 17 and May 17, 2017; there have been numerous communications between the Parties concerning which DSM initiatives to implement.

DETERMINATIONS

10. In its Workshop, the CCU requested that PUC proceed ahead with approval of additional DSM initiatives, so that the program can be expanded as soon as possible.⁷
11. However, since no CCU Resolution has yet been approved, any PUC approval should be subject to final approval by CCU through a Resolution.
12. From the inception of the DSM Program, it was anticipated that GPA and PUC would expand the Program and implement new DSM initiatives⁸, and would implement additional DSM initiatives; GPA was required to submit its DSM implementation plan.
13. It is in the interest of GPA and the ratepayers of Guam to implement the additional DSM initiatives proposed herein. DSM Programs should foster energy conservation and hopefully reduce the need in the long term for as much additional generation capacity.

ORDERING PROVISIONS

Upon consideration of the record herein, the Request of GPA to implement new Demand Side Management Initiatives, the ALJ Report, and for good cause shown, on motion duly made, seconded, and carried by the affirmative vote of the undersigned Commissioners, the Guam Public Utilities Commission HEREBY ORDERS that:

1. The PUC hereby approves the additional ten DSM program initiatives listed herein, subject to prior approval by CCU through a Resolution.
2. GPA and the ALJ are instructed to continue to discuss proposals for the long-term funding of DSM Programs and to develop a plan for such funding.
3. GPA is ordered to pay the Commission's regulatory fees and expenses, including,

⁷ Statement of GPA Assistant General Manager, Engineering and Technical Services, John Cruz to ALJ Horecky on May 22, 2017.

⁸ PUC Order, GPA Docket 13-14, dated July 31, 2014, at par. 8 and Ordering Provision No. 1.

without limitation, consulting and counsel fees and the fees and expenses of conducting the hearing proceedings. Assessment of PUC's regulatory fees and expenses is authorized pursuant to 12 GCA §§12103(b) and 12125(b), and Rule 40 of the Rules of Practice and Procedure before the Public Utilities Commission.

Dated this 25th day of May, 2017.




Jeffrey C. Johnson
Chairman



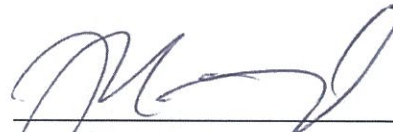
Rowena E. Perez
Commissioner



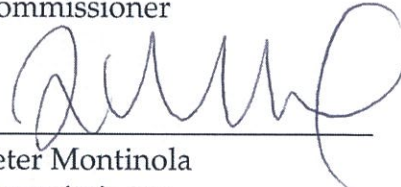
Michael A. Pangelinan
Commissioner



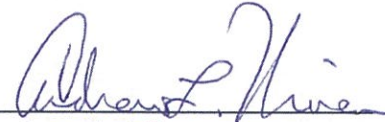
Filomena M. Cantoria
Commissioner



Joseph M. McDonald
Commissioner



Peter Montinola
Commissioner



Andrew L. Niven
Commissioner