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Attorney for Guam Power Authority

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF:

**GUAM POWER AUTHORITY
PURCHASE OF WATER SYSTEM
DIESEL GENERATORS**

GPA DOCKET NO. 24-10

**PETITION OF THE GUAM POWER
AUTHORITY TO APPROVE PURCHASE
OF WATER SYSTEM DIESEL
GENERATORS**

The Guam Power Authority (GPA) hereby files its petition for the Public Utilities Commission of Guam to review and approve GPA's request to purchase Water System Diesel (WSD) generators for placement at a number of Guam Waterworks Authority (GWA) sites.

I. Background.

GPA maintains and operates over 220 WSD generators for GWA water wells, waste water facilities, and water booster pump stations. These generators provide a backup power supply to GWA facilities to ensure uninterrupted water and sewer services.

Most of the existing WSD generators are over 29 years old. Due to their great age, they have grown unreliable and difficult to maintain. GPA has experienced challenges in sourcing parts for these generators.

GPA started a program to replace the WSD generators gradually, beginning with damaged generators and those most likely to fail. In the aftermath of Typhoon Mawar, GPA

1 realized that many of the WSD generators could not operate without interruption and would need
2 to be replaced sooner.

3 GPA has identified 94 priority sites for generator replacement. *See* Ex. A (CCU GPA
4 Resolution No. FY2024-06, Ex. A List of WSD Sites for Generator Replacement). The number
5 and sizes of generators required at these sites include 22 units of 30 kW, 7 of 60 kW, 23 of 125
6 kW, 13 of 175 kW, 16 of 300 kW, 9 of 500 kW, 2 of 800 kW, and 2 of 1,400 kW. *See id.* In
7 addition to the 94 generators for the priority sites, GPA needs 10 portable generators with trailers
8 as an additional backup power supply at the remaining critical GWA sites in the following
9 numbers and sizes: 5 units of 175 kW, 3 of 300 kW, and 2 of 500 kW. *See id.*

10 GPA estimates the cost of the WSD generators to be \$9.5 million, which exceeds the
11 GPA General Manager's procurement authority.

12 **II. Request for Approval**

13 PUC's contract review protocol requires PUC authorization for all contracts in excess of
14 \$1.5 million. The estimated cost of the generators, at approximately \$9.5 million, requires PUC's
15 review and approval. In support of this petition, the CCU, in GPA Resolution No. FY2024-06,
16 approved GPA's request to purchase the WSD generators at a cost of \$9.5 million plus 20 percent
17 contingency, for a total contract value of approximately \$11.4 million. *See* Ex. A (GPA
18 Resolution No. FY2024-06). The CCU's resolution authorizes GPA to spend up to \$11.4 million
19 to purchase the generators.

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Respectfully submitted this 10th day of January 2024.

By: /s/
Marianne Woloschuk
GPA Legal Counsel



RESOLUTION NO. FY2024 – 06

RELATIVE TO APPROVAL OF THE PURCHASE OF WSD GENERATORS

WHEREAS, the Guam Power Authority (GPA) Water System Diesel (WSD) section operates and maintains over two hundred twenty (220) standby generators for the Guam Waterworks Authority (GWA) water wells, waste water facilities, and water booster pump stations including the approximately 90 standby generators transferred in 2015 from GWA to GPA; and

WHEREAS, these generators are backup power supply to the GWA sites for uninterrupted water and sewer services; and

WHEREAS, most of the generators are over 29 years old, near end of life, which has become difficult to maintain availability and reliability; and

WHEREAS, GPA has initiated a program to replace these generators gradually starting with sites that have damaged generators or generators anticipated to fail; and

WHEREAS, experiences in Typhoon Mawar highlighted the difficulties of keeping these units operating uninterrupted due to their age, higher maintenance needs and difficulty of sourcing parts; and

WHEREAS, GPA and GWA have identified 94 priority GWA sites that require generator replacement; and

WHEREAS, generator capacity sizes include 30 KW (22 ea.), 60 KW (7 ea.), 125 KW (23 ea.), 175 KW (13 ea.), 300 KW (16 ea.), 500 KW (9 ea.), 800 KW (2ea.) and 1,400 KW (2 ea.) as detailed in Exhibit A; and

WHEREAS, GPA also requires 10 portable generators to include trailers consisting of 175 KW (5 ea.), 300 KW (3ea.) and 500 KW (2 ea.) capacity as additional backup power supply for remaining critical GWA sites; and

WHEREAS, GPA estimates the cost of these generators at over \$9.5M which exceeds the GPA General Manager procurement authority.

EXHIBIT A

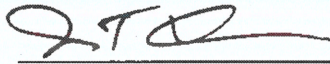
1 **NOW, THEREFORE, BE IT RESOLVED, by the Consolidated Commission on**
2 **Utilities, the governing body of the Guam Power Authority and subject to the review and**
3 **approval of the Public Utilities Commission as follows:**

- 4 1. The GPA General Manager is authorized to procure 104 generators for GWA water wells,
5 waste water facilities, and water booster pump stations at a cost of \$11.4 M (\$9.5M plus
6 20% contingency).

7 **RESOLVED**, that the Chairman certifies and the Board Secretary attests to the adoption
8 of this Resolution.

9 **DULY AND REGULARLY ADOPTED AND APPROVED THIS 28TH DAY OF**
10 **NOVEMBER 2023.**

11 Certified by:

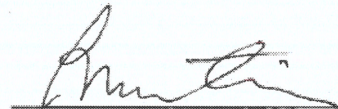
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13 _____

14 **JOSEPH T. DUENAS**

15 Chairperson

16 Consolidated Commission on Utilities

Attested by:

12 
13 _____

14 **PEDRO ROY MARTINEZ**

Secretary

Consolidated Commission on Utilities

17 **I, Pedro Roy Martinez**, Secretary for the Consolidated Commission on Utilities (CCU), as
18 evidenced by my signature above do certify as follows:

19 The foregoing is a full, true, and accurate copy of the resolution duly adopted at a regular
20 meeting of the members of Guam Consolidated Commission on Utilities, duly and legally held
21 at a place properly noticed and advertised at which meeting a quorum was present and the
22 members who were present voted as follows:

23
24 Ayes: 5
25 Nays: 0
26 Absent: 0
27 Abstain: 0



Resolution FY2024-06
EXHIBIT A
List of WSD Sites for Generator Replacement

No.	WSD Station	Type	Recommended Gen Size (standardization)
1	Nimitz_Hill_BPS	Water_Distribution	30
2	Adawag_BPS	Water_Distribution	30
3	Pale_Kiren_BPS	Water_Distribution	30
4	Camacho_BPS	Water_Distribution	30
5	Agana_Heights_BPS	Water_Distribution	30
6	Sagan_Bonita_01	Wastewater_Collections	30
7	Pacific_Latte	Wastewater_Collections	30
8	Pigua_BPS	Water_Distribution	30
9	Astumbo_1	Wastewater_Collections	30
10	Cabras_Island	Wastewater_Collections	30
11	Astumbo_2	Wastewater_Collections	30
12	SDSS_Ejector_02	Wastewater_Collections	30
13	SDSS_Ejector_03	Wastewater_Collections	30
14	SDSS_Ejector_04	Wastewater_Collections	30
15	SDSS_Ejector_05	Wastewater_Collections	30
16	SDSS_Ejector_06	Wastewater_Collections	30
17	North_Reyes_Merizo	Wastewater_Collections	30
18	Pagachao	Wastewater_Collections	30
19	MTL	Wastewater_Collections	30
20	SDSS_Ejector_07	Wastewater_Collections	30
21	Hafa_Adai	Wastewater_Collections	30
22	Manuel_Tenorio_BPS	Water_Distribution	30
23	Sagan_Bonita_02	Wastewater_Collections	60
24	Dandan	Wastewater_Collections	60
25	Route_04_Layon	Wastewater_Collections	60
26	Station_11	Wastewater_Collections	60
27	Station_15	Wastewater_Collections	60
28	CH_pago_3	Wastewater_Collections	60
29	Macheche	Wastewater_Collections	60
30	Layang	Wastewater_Collections	125
31	D-24	Deep_Well_Production	125
32	Flora_Pago	Wastewater_Collections	125
33	IWWTP	Wastewater_Treatment	125
34	Ypao	Wastewater_Collections	125
35	Dero	Wastewater_Collections	125
36	Fema_96	Wastewater_Collections	125
37	Harmon	Wastewater_Collections	125
38	Paseo_De_Oro	Wastewater_Collections	125

Resolution FY2024-06
EXHIBIT A
List of WSD Sites for Generator Replacement

No.	WSD Station	Type	Recommended Gen Size (standardization)
39	PGD_PS	Wastewater_Collections	125
40	D-26	Deep_Well_Production	125
41	D-28	Deep_Well_Production	125
42	Commercial_Port	Wastewater_Collections	125
43	Dairy_Road	Wastewater_Collections	125
44	Y-10	Deep_Well_Production	125
45	Y-04	Deep_Well_Production	125
46	F-17	Deep_Well_Production	125
47	D-21	Deep_Well_Production	125
48	Mataguac_BPS	Water_Distribution	125
49	AG-01	Deep_Well_Production	125
50	F-18	Deep_Well_Production	125
51	M-21	Deep_Well_Production	125
52	Y-12	Deep_Well_Production	125
53	Y-18	Deep_Well_Production	175
54	M17-A	Deep_Well_Production	175
55	Talofofo	Wastewater_Collections	175
56	F-13	Deep_Well_Production	175
57	F-15	Deep_Well_Production	175
58	F-16	Deep_Well_Production	175
59	M-23	Deep_Well_Production	175
60	D-25	Deep_Well_Production	175
61	M-18	Deep_Well_Production	175
62	M-20A	Deep_Well_Production	175
63	Pago_Double	Wastewater_Collections	175
64	Pago_Bay_BPS	Water_Distribution	175
65	Access_BPS	Water_Distribution	175
66	Y-21	Deep_Well_Production	300
67	D-27	Deep_Well_Production	300
68	Y-16	Deep_Well_Production	300
69	Y-17	Deep_Well_Production	300
70	Yigo	Wastewater_Collections	300
71	Brigade_BPS	Water_Distribution	300
72	Malojloj_Line_BPS	Water_Distribution	300
73	Y-22	Deep_Well_Production	300
74	Y-23	Deep_Well_Production	300
75	Y-14	Deep_Well_Production	300
76	Y-15	Deep_Well_Production	300

Resolution FY2024-06
EXHIBIT A
List of WSD Sites for Generator Replacement

No.	WSD Station	Type	Recommended Gen Size (standardization)
77	Y-19	Deep_Well_Production	300
78	Y-20	Deep_Well_Production	300
79	AG-02	Deep_Well_Production	300
80	Agana_Main	Wastewater_Collections	300
81	Mamajanao	Wastewater_Collections	300
82	Tai	Wastewater_Collections	500
83	Chaligan	Wastewater_Collections	500
84	UGUM_WTP	Water_Plant_Production	500
85	ASR_WWTP	Wastewater_Treatment	500
86	HGC-2	Deep_Well_Production	500
87	A-30	Deep_Well_Production	500
88	Chaot_New	Wastewater_Collections	500
89	Gaan	Wastewater_Collections	500
90	HWWTP	Wastewater_Treatment	500
91	Fujita_PS	Wastewater_Collections	800
92	Ugum_Plant_2	Deep_Well_Production	800
93	Southern_Link_PS	Wastewater_Collections	1400
94	Route_16_PS	Wastewater_Collections	1400

Resolution FY2024-06
EXHIBIT B
List of Portable Generators

No.	Recommended Gen Size, KW (standardize)
1	500
2	500
3	175
4	175
5	175
6	175
7	175
8	300
9	300
10	300