



## CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority

P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

### GPA RESOLUTION NO. FY2022-08

#### APPROVAL OF THE 2022 INTEGRATED RESOURCE PLAN

**WHEREAS**, the Integrated Resource Plan (IRP) is a process that evaluates the need for new generation resources to meet future load growth at reduced and lower rates on a sustainable basis, address environmental requirements and optimize costs and sets the stage for projects and activities over the next 10 years; and

**WHEREAS**, since 2008, the common strategic initiatives through the past IRP's have been:

- Fuel Diversity, fuel supply risk, and renewable energy;
- Supporting the electric power service requirements for the impending Department of Defense (DOD) build-up and its economic consequences;
- Acquisition of new electric energy supply and its implication on human resource requirements and the Authority business model; and

**WHEREAS**, through the 2008 IRP recommendations for renewable energy, GPA was able to contract its first renewable energy contract and initiate evaluation of fuel diversification to reduce costs; and

**WHEREAS**, from the 2012 IRP and its update in 2016, the IRP also considered and addressed environmental compliance requirements which have resulted in the contracting of additional renewable energy contracts and the new Ukudu Power Plant as well as the fuel conversion and retirement plans for Cabras and Piti units; and

**WHEREAS**, with the Ukudu Power Plant set for commissioning in 2024 and GPA commitment to a 50% Renewable Portfolio Standard by 2030, the 2022 IRP focuses on to how to achieve additional operational savings through efficiencies and to implement projects and programs to support these as well as to support grid security, stability and reliability while also achieving reduction in greenhouse gas emissions; and

**WHEREAS**, the 2022 IRP recommends the following:

- No additional synchronous generation resources are required in the next 10-20 year with New Ukudu Power Plant (CCCP & Reserve Facility) contingent on the amount of synchronous generation retired;
- Initiate procurement for renewable energy contracts for additional annual 300,000 MWH by 2025 and another 300,000MWH by 2029 to achieve 50% Renewables by 2030;

- 30 • Execute portfolio of about \$233M in projects and initiatives for integration of renewables;
- 31 • Continued analysis of distributing circuits to determine projects necessary to mitigate negative
- 32 impacts attributed to uncontrolled solar roof top generation;
- 33 • Increase optimization of infrastructure to enhance and improve operations and reduce costs;
- 34 • Continue to evaluate and implement demand side management programs and programs to address
- 35 EV charging to reduce impacts on peak system, harmonics, 3-phase power unbalance, and power
- 36 quality;
- 37 • Evaluate and implement charging facilities as necessary to support growth in electric vehicle
- 38 utilization;
- 39 • Implement IT/OT Shared Services Transformation between GPA and GWA to support GPA increased
- 40 IT operation; and

41 **WHEREAS**, the review and approval of the IRP allows dialogue between GPA, CCU and the Public

42 Utilities Commission and an understanding and reasoning of the GPA project planning and activities over the

43 next 10 years;

44 **WHEREAS**, the approval of the IRP does not waive necessary procurement or contract protocols that

45 may require CCU and PUC approvals and GPA will continue to follow these processes as required.

46

47 **NOW THEREFORE, BE IT RESOLVED**, by the CONSOLIDATED COMMISSION ON UTILITIES as the

48 governing body of GPA, and subject to the review and approval of the Public Utilities Commission as follows:

- 49
- 50 1. The General Manager of the Guam Power Authority is hereby authorized to submit the IRP to the
- 51 PUC for review and approval.

52

53 **RESOLVED**, that the Chairman of the Commission certifies and the Board Secretary attests the

54 adoption of this Resolution.

55

56 **DULY and REGULARY ADOPTED AND APPROVED THIS 25TH DAY of JANUARY, 2022**

57

**Certified by:**



---

**JOSEPH T. DUENAS**  
Chairperson  
Consolidated Commission on Utilities

**Attested by:**



---

**MICHAEL LIMTIACO**  
Secretary  
Consolidated Commission on Utilities

58

59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80

I, **Michael Limtiaco**, Secretary for the Consolidated Commission on Utilities (CCU), as evidenced by my signature above do certify as follows:

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

Ayes: 5  
Nays: 0  
Absent: 0  
Abstain: 0

