



CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagåtña, Guam 96932 | (671) 648-3002 | guamccu.org

GUAM POWER AUTHORITY WORK SESSION

CCU Conference Room
8:30 a.m., Thursday, March 21, 2024

AGENDA

1. **CALL TO ORDER**
2. **ISSUES FOR DECISION**
 - 2.1 [GPA Resolution No. FY2024-17 – Relative to the Approval of the Energy Conversion Agreement \(ECA\) Amendment for Ukudu Power Plant](#)
 - 2.2 [GPA Resolution No. FY2024-19 / Resolution No. 16-FY2024 \(GWA\) Relative to the Creation of Positions: Information Security Superintendent; Infrastructure Support Supervisor and Application Support Supervisor in the Classified Status and to Add to GPA and GWA’s Certified, Technical and Professional List of Positions](#)
3. **GM REPORT**
 - 3.1 [Engineering & Technical Services](#)
 - 3.2 Administration
 - 3.3 [Finance](#)
 - 3.4 Operations
4. **OTHER DISCUSSION**
 - 4.1 [2022 CTP Market Transition](#)
5. **ANNOUNCEMENTS**

Next CCU Meetings: March 26, 2024 – CCU Regular Board Meeting at 5:30 p.m.
6. **ADJOURNMENT**



GUAM POWER AUTHORITY

ATURIDÁT ILEKTRESEDÁT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issue for Decision

GPA Resolution No. FY2024-17

RELATIVE TO APPROVAL OF THE ENERGY CONVERSION AGREEMENT (ECA) AMENDMENT FOR THE UKUDU POWER PLANT

What is the project's objective? Is it necessary and urgent?

The ECA requires an amendment to address the cancellation of the Reserve Facility due to a significant increase in the cost of the diesel generators after the initial quote expired in 2022. GUP is also seeking compensation for unanticipated permit conditions, additional scope and for the acceleration of the commercial operation of the Ukudu Power Plant after the site sustained significant damages due to Typhoon Mawar.

Where is the location?

Ukudu Power Plant

How much will it cost?

The costs to be adjusted in the Fixed Capacity Charge include the following:

	ECA Adjustment	Amount
1	Cancellation of Reserve Facility	(\$ 57,300,000)
2	Cost Claims	\$ 8,366,708
3	Acceleration of Schedule	\$ 5,000,000
	Total	(\$ 43,933,292)

Additionally, estimated 4-month early COD will result in net savings of \$13,668,556.

When will it be completed?

The new commercial operation date (COD) is September 15, 2025

What is its funding source?

Ukudu Contract Capacity Charge thru 25-years



CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagåtña, Guam 96932 | (671) 648-3002 | guamccu.org

GPA RESOLUTION NO. FY2024-17

**RELATIVE TO APPROVAL OF THE ENERGY CONVERSION AGREEMENT (ECA)
AMENDMENT FOR THE UKUDU POWER PLANT**

WHEREAS, on November 5, 2019 the Guam Power Authority (GPA) and Guam Ukudu Power (GUP) LLC signed the Energy Conversion Agreement (ECA) for the construction, operation and transfer of the 198 MW power plant located on GPA owned property in Ukudu, Dededo; and

WHEREAS, in 2021, CCU and PUC¹ approved the relocation of the Reserve Facility to Piti due to operation restrictions for a minor source air permit of the Ukudu Power Plant; and

WHEREAS, GUP lenders required legislative approval for exemption of the siting of the Reserve Facility within 1200 feet from school and such approval was required before the price validity of the diesel generators expired in March 2022; and

WHEREAS, PL 36-91 which addressed the siting of the Reserve Facility in Piti was eventually signed into law on April 11, 2022. The price quote of the diesel generators however expired and new costs significantly increased from \$57M to \$97M which led GPA to seek approval² to cancel the Reserve Facility in early 2023; and

WHEREAS, in April 2023 GUP submitted a request for compensation for legal and other costs associated with the Reserve Facility prior to cancellation, claims associated with unanticipated construction and heavy haul permit conditions, totaling over \$21.8M (See Exhibit A); and

WHEREAS, GPA reviewed claims and verified \$6,559,205 for compensation through the ECA Fixed Capacity Charge adjustment subject to the CCU and PUC approvals (See Exhibit B); and

¹ CCU Resolution No. 2021-02 was approved on January 25, 2021 and PUC Docket 21-07 was approved on 2/25/21 for the relocation of the Reserve Facility to Piti.

² CCU Resolution No. FY2023-07 was approved on January 24, 2023 and PUC Docket 23-07 was approved on 2/23/23 for the approval to cancel the Reserve Facility.

1 **WHEREAS**, in May 2023 Typhoon Mawar caused significant damages to the Ukudu
2 Power Plant requiring demolition and rework to the water and fuel tanks as well as repair and
3 replace other damages through the plant and plant site; and

4 **WHEREAS**, GUP and GPA have settled on a new Required Commercial Operating Date
5 of September 30, 2025, through an amendment to the ECA and subject to the following
6 conditions:

- 7 • GUP and GPA agree that GPA will pay GUP a \$4,000,000 acceleration cost payment
8 if the Actual Commercial Operation Date (“COD”) is achieved on or before
9 September 30, 2025 and an additional \$1,000,000 acceleration payment if COD is
10 achieved on or before September 15, 2025.
- 11 • The Parties agree that if COD is not achieved on or prior to September 30, 2025, the
12 acceleration cost payment of \$4,000,000 shall be cancelled and the full liquidated
13 damages of \$240,000 per day shall apply from September 30, 2025, forward.
- 14 • The acceleration payments will be made through an FCC adjustment or Supplemental
15 Charge as defined in the ECA; and

16 **WHEREAS**, the acceleration of the operation of the Ukudu Power Plant by four (4)
17 months will not only provide the reliable power sooner but also provide a net fuel savings of
18 approximately \$13.7M additional deduction of the \$5M (accelerated cost) due to the higher
19 efficiency of this power plant; and

20 **WHEREAS**, to further support the acceleration GUP and GPA have agreed that GPA will
21 provide the ECA defined First Fill in lieu of GUP’s contract requirement with a seven-year
22 payback period and with no accumulated interest. The amount to be repaid by GUP will be equal
23 to the cost of First Fill actually incurred by GPA; and

24 **WHEREAS**, GUP requested an additional claim for a backup water supply pipeline
25 totaling \$1,807,503 to cover additional pipeline costs which will be compensated through an
26 adjustment in the Fixed Capacity Charge.

27
28
29 **NOW, THEREFORE, BE IT RESOLVED, by the Consolidated Commission on**
30 **Utilities, the governing body of the Guam Power Authority and subject to the review and**
31 **approval of the Public Utilities Commission as follows:**

- 32 **1.** The GPA General Manager is authorized to amend the ECA to adjust the Fixed
Capacity Charge to compensate GUP for verified claims for the additional scope and

1 unanticipated permit conditions as well as to pay for services to accelerate the operation of the
2 Ukudu Power Plant.

3
4 **RESOLVED**, that the Chairman of the Commission certifies and the Secretary of the
5 Commission attests to the adoption of this Resolution.

6
7
8 **DULY AND REGULARLY ADOPTED**, this day of ___th of March, 2024.

9
10 Certified by:

Attested by:

11
12
13 _____
14 **JOSEPH T. DUENAS**
15 Chairperson

PEDRO ROY MARTINEZ
Secretary

16
17 **I, Pedro Roy Martinez**, Secretary of the Consolidated Commission on Utilities (CCU)
18 as evidenced by my signature above do hereby certify as follows:

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

24
25 **AYES:** _____

26 **NAYS:** _____

27 **ABSTAIN:** _____

28
29 **ABSENT:** _____

30
31
32

DESCRIPTION	AMOUNT
Original ECA Contract Amount (GUP-Financed)	\$ 571,000,000
41MW Reserve Facility Cancellation	(\$ 57,300,000)
Reserve Facility Cancellation Claims	\$ 6,559,205
Backup Cooling Water Supply (Change Order)	\$ 1,807,503
ECA Contract Sub-Total	\$ 517,366,708
Accelerated Commercial Operation Date (COD) Compensation [September 15, 2025]	\$ 5,000,000
New Energy Conversion Agreement Contract Total	\$ 522,366,708
<i>Percentage of Original Contract</i>	<i>92.3%</i>

Ukudu Energy Conversion Agreement Amendment

Feb 16, 2024 Fuel Prices	
0.2LSRFO \$/Bbl.	\$139.05
ULSD \$/Bbl.	\$112.51

**Fuel Cost Without Ukudu
Representative Period June 2022 to May 2023:**

Plant:	kWh	% System Production	Barrels Consumed	kWh/Gal	Fuel Cost	\$/kWh
Cabras 1&2	565,775,000	34.2%	1,003,239	13.4	\$139,500,402	\$0.247
Piti 8&9	536,099,400	32.4%	802,765	15.9	\$90,319,044	\$0.168
Dededo CT 1&2	70,576,330	4.3%	210,508	8.0	\$23,684,218	\$0.336
Piti 7	129,062,206	7.8%	336,582	9.1	\$37,868,862	\$0.293
Macheche	13,860,703	0.8%	27,975	11.8	\$ 3,147,467	\$0.227
Yigo	82,690,657	5.0%	169,287	11.6	\$19,046,480	\$0.230
MDI	2,035,999	0.1%	3,256	14.9	\$ 366,333	\$0.180
Tenjo	6,683,890	0.4%	11,301	14.1	\$1,271,476	\$0.190
Talofofa	2,445,830	0.1%	4,109	14.2	\$462,304	\$0.189
Yigo Diesels	71,356,737	4.3%	134,381	12.6	\$15,119,206	\$0.212
Total Conventional	1,480,586,751	89.4%	2,703,403	13.0	\$330,785,792	\$0.223
KEPCO Solar	131,137,749	7.9%			\$11,258,176	\$0.086
GlidePath Solar	43,819,937	2.6%			\$9,421,286	\$0.215
Total Renewables	174,957,686	10.6%			\$20,679,462	\$0.118
TOTAL PRODUCTION	1,655,544,437				\$ 351,465,254	\$ 0.212

Ukudu 4-Month Acceleration Savings

Projected Production Cost with Ukudu Online By September 30, 2025:

Plant:	kWh	% System Production	Barrels	kWh/Gal	Fuel Cost	\$/kWh
Ukudu Power Plant	1,300,000,000	78.5%	1,547,619	20.0	\$174,122,619	
Piti 8&9	173,012,504	10.5%	259,072	15.9	\$29,148,184	
Reserves (2% max)	7,574,247	0.5%	17,944	10.1	\$2,018,902	
Renewables (\$0.121/kWh)	174,957,686	10.6%	4,109	14.2	\$462,304	
TOTAL:	1,655,544,437				\$226,459,585	\$0.137

Annual Fuel Cost Variance:	(\$125,005,669)
Average Monthly Fuel Cost of Ukudu Commissioning Delay:	(\$10,417,139)
Monthly Ukudu Contract Payment:	\$5,750,000
Monthly Savings @ \$112.51/Bbl.:	(\$4,667,139)
4-Month Acceleration Savings:	(\$18,668,556)
Acceleration Cost:	\$5,000,000
NET FUEL SAVINGS:	(\$13,668,556)

Note: Does not include savings from Cabras retirement, tank lease, etc.

Savings of Accelerated ECA Amendment for Ukudu COD 4 months earlier

ANNUAL kWh PRODUCTION: 1,655,544,437

ULSD Price:	\$	112.51	\$	120.00	\$	150.00	\$	175.00
LSRFO (0.2%) Price:	\$	139.05	\$	146.54	\$	176.54	\$	201.54

Description	Annual Fuel Cost	\$/kWh	Annual Fuel Cost	\$/kWh	Annual Fuel Cost	\$/kwh	Annual Fuel Cost	\$/kWh
Fuel Cost without Ukudu	\$ 351,465,254	0.212	\$ 371,713,739	0.225	\$ 452,815,817	0.274	\$ 520,400,882	0.314
Fuel cost with Ukudu	\$ 226,459,585	0.137	\$ 240,126,103	0.145	\$ 294,865,158	0.178	\$ 340,481,038	0.206
Fuel Consumption Variance	\$ (125,005,669)		\$ (131,587,637)		\$ (157,950,659)		\$ (179,919,844)	
Less Ukudu Contract	\$ 69,000,000		\$ 69,000,000		\$ 69,000,000		\$ 69,000,000	
Savings	\$ (56,005,669)		\$ (62,587,637)		\$ (88,950,659)		\$ (110,919,844)	
4-Month Cost Reduction	\$ (18,668,556)		\$ (20,862,546)		\$ (29,650,220)		\$ (36,973,281)	
Acceleration Cost (ECA AMD)	\$ 5,000,000		\$ 5,000,000		\$ 5,000,000		\$ 5,000,000	
Savings	\$ (13,668,556)		\$ (15,862,546)		\$ (24,650,220)		\$ (31,973,281)	



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
TEL : +1-671-788-9370 / FAX : +1-671-969-4189

Date: April 7, 2023

Mr. John M. Benavente, P.E

General Manager
Guam Power Authority
Gloria B. Nelson Public Service Bldg.,
688 Route 15, Mangilao, Guam 96913

Subject: Request for Cost Compensation and Scheduling Accommodation

Dear Mr. John M. Benavente, P.E.

On behalf of Guam Ukudu Power (“GUP”), I would like to express our sincere gratitude to you and your team at GPA for always helping us find solutions to the many challenges we have faced thus far in constructing the 198MW Ukudu Power Plant. Through the cooperative and solution-oriented approach of both GUP and GPA, we have made steady progress and have kept this project moving forward in the midst of unprecedented obstacles.

Two very significant obstacles have been the major cost increases and scheduling delays caused by global inflation and rising raw material prices related to the COVID-19 pandemic and the war in Ukraine. In addition, as you well know, we have also faced significant delays and unexpected conditions during the permitting process as well as repeated interruptions of our pipeline excavation work caused by the Navy’s fuel transport and lack of an assigned archeologist.

We know that the timing of this project is critically important so we have gone to great lengths and incurred significant additional costs in order to minimize the impact of these challenges and setbacks on our construction schedule. Our mitigation efforts have been remarkably effective. We also continue to work closely with our EPC contractor to find ways to reduce our financial losses.

We are now reaching out to you in good faith to request a reasonable cost adjustment in accordance with the terms and conditions of the ECA and related agreements. Even though the ECA allows us to seek to recovery from GPA of all of our added costs attributable to permitting delays and other governmental actions, in the spirit of continued cooperation and compromise, we are limiting our request to only the specific areas described below. Our goal in requesting this limited compensation is to avoid further delays and to maintain the highest standard of construction quality for an efficient and reliable electric grid for Guam.



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
TEL : +1-671-788-9370 / FAX : +1-671-969-4189

Background: The Impact of the Delayed Financial Closing

The closing of GUP's financing for this project was originally scheduled for August 2020 (9 months from execution of the ECA), but was delayed due a series of intervening events and unforeseen circumstances. In order to close its loan, GUP had to satisfy its lender's financial closing conditions, including, but not limited to, having all construction related permits in place and having an executed and enforceable lease in effect for the project sites. GUP could not have foreseen that it would take more than 15 months for GUP to obtain its air permit from Guam EPA.

Additionally, GUP could not have foreseen that it would take more than 7 months for GUP's land lease for its project site to receive all required governmental approvals or that adding the Reserve Facility to its land lease would result in months of additional discussion and revisions to the lease. As I am sure you recall, before the lease could be submitted for legislative approval, we had to address numerous requested changes, some of which related to the Reserve Facility's intended location within a School Buffer Zone.

The process of overcoming these unanticipated obstacles delayed the closing of GUP's financing by more than 2 full years. During that 2 year delay, the COVID-19 pandemic worsened and the Ukraine War broke out which triggered global inflation and a supply and labor shortage which in turn interfered with procurement and shipping and drove up labor costs. As an illustration of this, consider that when the ECA was signed in November 2019, the US Producer Price Index (PPI) was at 118.5. By January of 2023, the US PPI was at 141.28, a 19.2% increase.¹ Our EPC contractor estimates that the global inflation and increase in raw material costs during the 2 years the financial closing was delayed caused the EPC contractor to suffer approximately \$20 million in losses on this project.

At the same time, the Interest Rate on GUP's financing for this project also rose dramatically during the 2 year delay. GUP's interest rate for its project funding is based on the Secured Overnight Financing Rate (SOFR) 3 month interest rate. As of the project bid date of May 2019, the SOFR 3 month interest rate was 2.43%. But more recently, as of March 2023, the SOFR 3 month interest rate has more than doubled to 5.12%, an increase of 2.69%p. The total amount financed for this project is \$566 million, which means GUP is facing a \$15.2 million yearly loss due to the increased interest rate attributable to the 2 year delay. Over the next 5 years, assuming the interest rate stays as it is now, GUP's total losses from the increased interest will be \$76 million.

As you know, to this day this high interest rate is still in the 5.12% range and it is generally expected to remain at that level at least for the next several years. These circumstances fall within the definition of Force Majeure in Article 16 of the ECA. The Ukraine War is a "war" under ECA § 16.1(c) and the

¹ Source: US Producer Price Index (www.ycharts.com)



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

COVID-19 pandemic is a “natural calamity” under ECA § 16.1(a). They could not have been avoided even with the exercise of reasonable care or the expenditure of reasonable sums of money, referred to in Article 16 as “Mitigating Costs.”

We present this background to provide context to GUP’s request. GUP and its EPC contractor are now facing severe losses in the amount of \$76 million and \$20 million respectively. Moreover, additional cost impacts from the unforeseen events described below require some minimal financial compensation from GPA in accordance with the terms and conditions of the ECA. The compensation we are requesting below is modest when compared to GUP’s overall losses.

1. Compensation for Reserve Facility Preparatory Work

The first item of compensation we are requesting relates to the cancellation of the Reserve Facility. As you know, GPA on December 7, 2022 provided us with written notice cancelling the Reserve Facility from the project scope. The terms of the cancellation included a provision requiring compensation to GUP for any costs and liabilities it incurred in preparing to construct the Reserve Facility. The compensation provision is contained in a letter agreement between GUP and GPA dated January 31, 2023, which provides as follows:

If Project Company incurs any cost or liability in respect of the issuance of a purchase order for any part of the Reserve Facility or any preparatory works in respect of the Reserve Facility, whether as a result of making a drawing under the Equity Bridge Facility or otherwise, and the procurement and construction of the Reserve Facility is subsequently cancelled, the Parties agree that the relevant FCC Reduction shall be accordingly reduced to compensate Project Company for such cost or liability. Project Company shall provide a copy of invoices and supporting documentation for all such cost and liability claims to be reviewed and approved by GPA, such approval not to be unreasonably withheld. (January 31, 2023 letter agreement, ¶7).

GUP incurred the following costs as part of its preparatory work relating to the Reserve Facility:

a. Legal Fees Relating to the Reserve Facility:	\$0.96M
(calculated based on 10% of the total project legal fees)	
b. Environmental Advisory Fees Relating to the Reserve Facility:	
- B&V	\$0.44M
c. Land Surveyor and Title Insurance Fees Related to the Reserve Facility:	\$1.12M
Total Costs of Reserve Facility Preparatory Work	\$2.52M



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

Pursuant to the January 31, 2023 letter agreement, GUP requests additional costs of \$2.52M as compensation to GUP for our preparatory costs and liabilities relating to the Reserve Facility. Invoices and other documentation supporting each of the above cost items are attached. (See Attachments #1-a, 1-b, and 1-c).

2. Compensation for Cost of Compliance with Unanticipated Permitting Conditions

GUP also requests compensation for unusual and unanticipated costs we were forced to incur in order to obtain some of our construction related permits. The basis for this request is Section 16.9(a) of the ECA which provides:

In the event of a Change In Law which is of the type described in the Change in Law which is of the type described in the Change in Law definition and has an impact on the Project that is equal to or greater than five hundred thousand Dollars (\$500,000) for a Contract Year, GPA shall pay to Project Company (without double recovery) a Supplemental Charge under this Agreement in such amount as is necessary to compensate Project Company for, and make Project Company whole with respect to any such additional cost and/or adverse effect on the expected financial benefit suffered as a result of such Change in Law. (ECA, p.70, § 16.9(a)).

The definition of Change in Law includes the following:

any change in the manner in which a Law of Guam or the United States that affects the Project or Project Company is applied or interpreted; (ECA, p.3, “Change in Law” definition, subsection (b))

the imposition by a Government Authority (other than for Cause) of any material condition or delay in connection with the issuance, renewal, or modification of any Governmental Authorization; (ECA, p.3, “Change in Law” definition, subsection (c)).

GUP and its contractors were forced to incur substantial added costs in order to satisfy several conditions imposed by the Guam Environmental Protection Agency (“Guam EPA”), and Guam Water Works (“GWA”), which were in addition to the requirements imposed by the applicable permitting laws and regulations. In imposing these extra requirements upon GUP, these agencies implemented a “*change in the manner in which a Law of Guam . . . is applied and interpreted; . . .*” The agency actions in these instances constitute “*the imposition by a Government Authority (other than for Cause) of any material condition or delay in connection with the issuance, renewal, or modification of any Governmental Authorization.*”



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

The actions of these agencies may be attributable to the unusual amount of public scrutiny this project has generated and the lack of any prior experience by these agencies with projects of this nature and scale. Nevertheless, the extra conditions they imposed on GUP with respect to each of the below listed items constitute a Change in Law under the ECA.

- | | |
|---|---------|
| a. Continuous Emission Monitoring System (“CEMS”) by GEPA | \$1.09M |
| b. Dedicated fire-fighting water storage tank by GWA | \$1.72M |
| c. Implementation of Impervious Pavement inside the power plant by GEPA | \$1.05M |

Total Added Costs for Compliance with Added Permitting Conditions:	\$3.86M
--	----------------

GUP therefore requests \$3.86M as compensation for the resulting added costs noted above. A cost breakdown supporting each of the above cost items is attached. (See Attachments #2-a, 2-b, and 2-c).

3. Compensation for Cost and Scheduling Impact from the Delayed Transportation Permit

The next category of requested compensation relates to the substantial additional costs GUP was forced to incur due to DPW’s extremely long delay in issuing the heavy equipment transport permit required for the EPC contractor to transport of the power plant equipment from Guam’s Port to the project site. The EPC contractor believes that they applied for the transportation permit well in advance of the scheduled transport dates. Based on the usual government of Guam processing time, GUP expected that the permit would be issued not later than September of 2022. However, DPW held off issuance of the permit well beyond that date.

The delayed issuance of the permit was caused by DPW’s lack of clarity regarding the type and amount of insurance that the EPC contractor would be required to provide to cover potential bridge damage notwithstanding the substantial site investigation work such as destructive, non-destructive, scanning and loading tests that proved the bridge along the transport route can support heavy transportation vehicles and equipment. DPW initially indicated that bonding/insurance would be waived for this permit. Months later, DPW indicated that a \$75 million insurance policy covering potential damage to the roadways and bridges would be required. The discussion of this insurance condition continued off and on between DPW, GUP and the EPC contractor for several weeks and included multiple in-person meetings. After months of back and forth on the insurance issue, a compromise was eventually reached. DPW accepted \$25 million in coverage and issued the transportation permit in February of 2023.



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

The long delay in issuance of the permit meant that the process of transporting the heavy plant equipment to the project site, a process that must be done slowly and gradually and only at specifically scheduled times so as not to disrupt traffic on Guam's roadways, would not even begin until 5 months after the planned transportation start date.

During this 5 month waiting period, GUP and our EPC contractor incurred substantial added labor costs to keep workers available while waiting for the permit to issue. GUP and our EPC contractor also incurred substantial equipment stand-by costs, and additional survey and insurance costs. GUP and our EPC contractor did everything possible to reallocate resources and workers to try to reduce the impact of this major delay on the overall construction schedule. If GPA provides the requested financial support, the EPC contractor is confident that the overall scheduling impact of the 5 month delay can be reduced by 3 months down to a 2 month overall delay. With GPA financial support, a 2 month delay in project completion (and a corresponding 2 month extension of the Required Commercial Operation Date under the ECA) is unavoidable due to the delayed issuance of the permit.

Under these circumstances, the 2 month delay in completion is "Force Majeure" event under the ECA which includes within the definition of that term "any Change in Law" such as a delay in the issuance of a Governmental Authorization. (ECA, p.66, § 16.1(e) and p.3, "Change in Law" definition subsection (c)). Pursuant to Section 16.8 of the ECA, GUP is entitled to an extension of any dates affected by an Force Majeure event, including an extension of the Required Commercial Operation Date.

Section 16.8 of the ECA provides as follows:

Except as otherwise set forth below, neither Party shall be responsible or liable for or deemed in breach hereof because of any failure or delay in complying with its obligations (other than an obligation to make a payment) under or pursuant to this Agreement due to one or more events of Force Majeure . . . or their effects or by any combination thereof, and the periods allowed or dates required (including the Required Commercial Operation Dates) for the performance by Parties of such obligation(s) shall be extended on a day-for-day basis to account for such event(s), effects or combination thereof; . . . (ECA,p.70, §16.8)

Based on § 16.8 of the ECA, GUP is actually entitled to a 5 month extension of the Required Commercial Operation Date. But, again in the spirit of continued cooperation and compromise, and assuming GPA provides the financial support needed for the EPC contractor to catch-up 3 months of the total delay, GUP is requesting that the Required Commercial Operation Date be extended by only 2 months.

Also, similar to the permitting conditions described in Item 2 above, the inexplicable delay by DPW in issuing the heavy equipment transport permit falls squarely within the definition of Change in Law under the ECA. In particular, DPW imposed upon GUP a "material condition or delay in connection with the



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

issuance, renewal, or modification of any Governmental Authorization.” (ECA, p.3, “Change in Law” definition, subsection (c)).

GUP’s added costs resulting from the delayed issuance of the heavy equipment transport permit are as follows:

- a. Stand-by costs: \$3.29M
- b. Costs of accelerated work to catch-up the schedule: \$3.51M
- c. Additional miscellaneous cost (including insurance costs)
 to obtain transportation permit: \$2.66M

Total Costs for Compliance with
 Added Permitting Conditions: **\$9.46M**

GUP is therefore requesting \$9.46M as compensation for the resulting added costs noted above. Attached are supporting documents relating to each of the above cost items. (See Attachment #3).

GUP is also requesting GPA’s concurrence that DPW’s delay in issuing the transportation permit and the resulting 2 month delay in the overall construction schedule is an event of Force Majeure under the ECA and that GUP is therefore entitled to a 2 month extension of the Required Commercial Operation Date. GUP will keep the baseline Commercial Operation Date of October 2024 as-is and we will work with the EPC contractor to try to further reduce the 2 month delayed Required Commercial Operation Date.

4. Compensation for Cost and Scheduling Impact from the Pipeline Construction Delay

The delay in the construction of the fuel pipeline is another construction delay caused by a Change in Law under the ECA. Constructing a fuel pipeline involves substantial excavation work which requires an excavation permit issued by DPW with oversight and approval from the State Historic Preservation Office (“SHPO”). That type of permit requires that an archeologist be on site to monitor the excavation work so appropriate action may be taken if historic or cultural artifacts are uncovered during the excavation. In addition, because significant military action took place on Guam during World War II, excavation work on Guam sometimes leads to discovery of unexploded ordinances (UXO’s). If a UXO is discovered during excavation, it must be carefully removed and a UXO specialist must be available to monitor the work and ensure the safety of the workers.



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

The construction of the fuel pipeline for this project was planned to be done over a 16 month period beginning in June 2022 and concluding in October 2023. However, construction was repeatedly halted by the government. The site of the excavation work was in close proximity to the U.S. Navy’s fuel lines used to pump jet fuel to locations on the Base. The Navy would not permit the EPC contractor to do any pipeline excavation work on days when the Navy was pumping jet fuel through its fuel lines. Between June 2022 and February 2023, the pipeline excavation work was halted by the Navy a total of 51 days.

The pipeline excavation work was also halted on days when GPA was unable to provide an archeologist to oversee the excavation work as required by SHPO. As of February 2023, lack of an available archeologist halted the pipeline excavation work by a total of 21 days.

Excavation work was also stopped when a UXO was discovered in September 2022. The UXO was removed by a bomb removal team from the U.S. Military but the work could not resume until a UXO specialist could be brought in to monitor the excavation and watch out for additional UXO’s. The safety of all members of the construction team is a top priority for GUP and the EPC contractor. The lack of an available UXO specialist halted work for a full month. Although on some days during that month the Navy fuel transfer operation would have also prevented pipeline excavation, a total of 17 days of work stoppage was caused solely by having to wait for the UXO specialist to be sent to the job site.

The 89 day delay, as of February 2023, of the pipeline construction by government agencies is clearly a Change in Law under the ECA provisions quoted in Items 2 and 3 above. GUP’s added costs caused by the delayed pipeline construction are:

a. Stand-by cost:	\$0.15M
b. Recovery cost to catch-up the schedule:	\$5.78M
Total added costs for the Delayed Pipeline Construction	\$5.92M

GUP is therefore requesting \$5.92M as compensation for the resulting added costs noted above. Attached are supporting documents relating to each of the above cost items. (See Attachment #4). Please note that the continued interruption by the Navy's fuel pumping, UXO findings, or the lack of an available archaeologist may cause further delay of the pipeline work where added expenses will be unavoidable.



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
 TEL : +1-671-788-9370 / FAX : +1-671-969-4189

5. First Fill Cost Accommodation

Finally, in addition to our requests for compensation for the specific items noted above, GUP also asks for GPA's help to defray the substantial increase in the cost of the "First Fill" (as defined in § 3.3.2(a) of the ECA). Pursuant to § 3.3.2(a), GPA is required to supply the fuel necessary for start-up, testing, and commissioning up to a maximum of 1,245,000 MMBtu. GUP is required to supply all needed fuel for start-up, testing and commissioning in excess of the GPA supplied fuel and GUP is further required to cover the cost of the First Fill of the new power plant's fuel storage facility.

As you know, the price of oil has skyrocketed since the time GUP and GPA entered into the ECA back in 2019. At the time this project was put out for bid, GPA's forecast in the IFMSB of what the unit ULSD price would be in 2021 was 18.43USD/MMBtu. This forecasted price was included in GUP's financial model for our bid. GUP could not have foreseen that the price of oil would increase so dramatically or that the actual cost of the ULSD that GPA purchased in Oct 2022 would be 23.97USD/MMBtu, 30% higher than our budgeted cost.

We now expect that our losses attributed to the unnaturally high price of oil will be approximately \$5.2 million. We understand that the IFMSB information was just a forecast which cannot serve as a basis for a price determination alone. However, we acted in good faith and at that time sincerely believed it to be a reasonable cost projection. The COVID-19 pandemic and Ukraine War could not have been predicted and they clearly constitute Force Majeure events under Article 16 of the ECA. The increase in our budgeted costs resulting from these Force Majeure events goes far beyond the Mitigating Costs contemplated under Article 16.

Here, again, we appeal to GPA's sense of equity and fairness and request your consideration of the following proposed modification of § 3.3.2(a)'s requirements:

- a. If GUP is able to shorten the time needed for start-up, testing and commission, and increase the fuel efficiency of the Power Plant so that less than the maximum 1,245,000 MMBtu of GPA's fuel is used for start-up, testing and commissioning fuel, GUP may use GPA's unused fuel (up to the 1,245,000 MMBtu maximum) for the First Fill, and
- b. GUP's obligation under ECA § 3.3.2(a) to fill the ULSD Storage Facility shall be revised so that GUP will initially only be required to do a partial fill up to GUP's budgeted amount of \$17.5 million in ULSD with the First Fill to be completed after the Commercial Operation Date. GUP may use any fuel savings accruing to GPA after the Commercial Operation Date to complete the First Fill.

We greatly appreciate GPA's support throughout this project and respectfully request your help with the cost of the First Fill as described above.



105 Inda Street, STE 107, PMB 1053, Dededo, Guam 96929
TEL : +1-671-788-9370 / FAX : +1-671-969-4189

Summary:

GUP is excited that this project is finally moving forward at full speed. Although GUP and its contractors have tried to absorb the major losses we have sustained over the last few years resulting from world events without requesting any cost or compensation adjustment, it has become necessary to request compensation for specific items of added costs, but only where a clear basis exists for such compensation under the ECA. We therefore request the following:

1. **A 3.579% adjustment in the FCC** (equivalent to the total impact of \$21.76M) for the reason set for the in Items 1, 2, 3 and 4 above.
2. **A 2 month extension of the Required Commercial Operation Date** for the reasons set forth in Item 3 above.
3. **Use of GPA's excess fuel and future fuel savings for the First Fill** for the reasons set forth in Item 5 above.

We hope GPA understands not only the reasonableness but also the urgency of these requests. The EPC contractor cannot catch-up the long scheduling delays without GPA's financial support. If that is not provided soon, the result will be further delays in the construction schedule, and even larger requests for compensation under the ECA's Change in Law provisions.

GUP makes these requests in recognition of the strong support GUP and GPA have provided to each other throughout this project and the many obstacles we have already overcome together. We are truly honored to be establishing this partnership with GPA and we look forward to serving the people of Guam together for many years to come.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Guhwa Kang'.

Guhwa Kang
Chief Executive Officer
Guam Ukudu Power LLC

Attachment: One set of supporting documents

Attachment #1-a

Attachment #1-a. Legal Advisory Fee list

Company	Date	Invoice No.	Amount [USD]
King & Spalding	29-Jan-19	10234742	76,185.50
King & Spalding	29-Jan-19	10235129	69,820.50
King & Spalding	04-May-19	10254595	83,374.00
King & Spalding	20-May-19	10265200	45,932.00
King & Spalding	20-May-19	10265201	5,512.50
King & Spalding	24-Mar-20	10306633	303,847.80
King & Spalding	24-Mar-20	10313895	147,517.50
King & Spalding	08-Jun-20	10341528	20,850.47
King & Spalding	29-Sep-20	10366769	35,104.00
King & Spalding	17-Jun-21	10433449	174,652.50
King & Spalding	13-Oct-21	10445671	106,235.00
King & Spalding	19-Nov-21	10480843	148,112.50
King & Spalding	20-Dec-21	10489960	42,539.00
King & Spalding	31-Jan-22	10499477	204,720.50
King & Spalding	31-Jan-22	10499478	170,158.00
King & Spalding	01-Jun-22	10526006	817,442.00
King & Spalding	12-Jul-22	10578461	537,716.00
King & Spalding	12-Aug-22	10546441	677,026.05
White & Case	07-Oct-19	1100-19-05933	19,864.00
White & Case	08-May-20	1100-20-02723	8,442.76
White & Case	06-Oct-20	1100-20-06192	20,130.82
White & Case	07-Dec-20	1100-20-07907	5,232.50
White & Case	07-Apr-21	1100-21-01845	6,006.50
White & Case	10-May-21	1100-21-02565	30,981.50
White & Case	12-Jul-21	1100-21-03983	6,167.30
White & Case	16-Aug-21	1100-21-04685	15,177.20
White & Case	20-Sep-21	1100-21-05542	114,430.90
White & Case	13-Oct-21	1100-21-06035	77,242.12
White & Case	08-Nov-21	1100-21-06705	182,557.52
White & Case	03-Dec-21	1100-21-07542	377,736.30
White & Case	08-Dec-21	1100-21-07820	55,461.00
White & Case	25-Jan-22	1100-22-00448	405,235.34
White & Case	09-Feb-22	1100-22-00671	339,837.18
White & Case	10-Mar-22	1100-22-01290	562,638.64
White & Case	30-Mar-22	F-2022-03-0449	128,425.00
White & Case	12-Apr-22	1100-22-01950	93,018.86
White & Case	12-May-22	1100-22-02574	159,239.50
White & Case	09-Jun-22	1100-22-03225	244,161.00
White & Case	11-Jul-22	1100-22-03974	261,521.50
White & Case	17-Aug-22	1100-22-04884	149,703.59
White & Case	13-Sep-22	1100-22-05300	256,130.36
White & Case	10-Oct-22	1100-22-06070	448,672.00
White & Case	24-Oct-22	1100-22-06601	126,897.73
White & Case	04-Nov-22	1100-22-06933	17,116.00
White & Case	06-Dec-22	1100-22-07818	75,054.61
White & Case	13-Jan-23	1100-23-00201	80,016.22
White & Case	23-Feb-23	6550-23-00023	106,226.95
Calvo Fisher & Jacobs	30-Dec-18	77347	20,748.95
Calvo Fisher & Jacobs	28-Feb-19	77436	20,771.25
Calvo Fisher & Jacobs	31-Mar-19	77619	32,639.25
Calvo Fisher & Jacobs	30-Apr-19	77620	3,819.90
Calvo Fisher & Jacobs	19-Nov-19	78444	3,920.50
Calvo Fisher & Jacobs	31-May-19	77686	462.00
Calvo Fisher & Jacobs	30-Jun-19	77930	183.75
Calvo Fisher & Jacobs	31-Jul-19	77931	8,604.75

Attachment #1-a. Legal Advisory Fee list

Company	Date	Invoice No.	Amount [USD]
Calvo Fisher & Jacobs	31-Aug-19	77968	3,297.00
Calvo Fisher & Jacobs	31-Aug-19	77932	7,209.30
Calvo Fisher & Jacobs	31-Oct-19	78092	30,869.35
Calvo Fisher & Jacobs	19-Nov-19	78444	3,920.50
Calvo Fisher & Jacobs	31-Dec-19	78445	9,970.80
Calvo Fisher & Jacobs	31-Jan-20	78399	8,336.60
Calvo Fisher & Jacobs	30-Jun-20	78927	135.25
Calvo Fisher & Jacobs	30-Sep-20	80724	22,500.00
Calvo Fisher & Jacobs	15-Dec-21	79904	23,549.75
Calvo Fisher & Jacobs	31-Dec-21	79959	660.20
Calvo Fisher & Jacobs	31-Jan-21	79269	18,821.25
Calvo Fisher & Jacobs	28-Feb-21	79327	4,526.15
Calvo Fisher & Jacobs	31-Mar-21	79340	11,734.38
Calvo Fisher & Jacobs	30-Apr-21	79439	361.55
Calvo Fisher & Jacobs	30-Aug-21	79685	8,025.60
Calvo Fisher & Jacobs	15-Nov-21	79851	13,671.33
Calvo Fisher & Jacobs	30-Nov-21	79854	33,689.25
Calvo Fisher & Jacobs	17-Dec-21	79968	53,374.58
Calvo Fisher & Jacobs	31-Dec-21	79969	33,846.75
Calvo Fisher & Jacobs	15-Jan-22	80011	58,435.55
Calvo Fisher & Jacobs	31-Jan-22	80012	38,118.52
Calvo Fisher & Jacobs	15-Feb-22	80057	47,679.25
Calvo Fisher & Jacobs	28-Feb-22	80058	84,626.87
Calvo Fisher & Jacobs	15-Mar-22	80094	31,597.98
Calvo Fisher & Jacobs	31-Mar-22	80095	35,058.63
Calvo Fisher & Jacobs	30-Apr-22	80124	77,254.67
Calvo Fisher & Jacobs	31-May-22	80206	151,579.45
Calvo Fisher & Jacobs	30-Jun-22	80215	60,334.85
Calvo Fisher & Jacobs	31-Jul-22	80251	67,911.18
Calvo Fisher & Jacobs	31-Aug-22	80713	69,348.53
Calvo Fisher & Jacobs	30-Sep-22	80729	153,091.51
Calvo Fisher & Jacobs	31-Oct-22	80834	37,420.23
Calvo Fisher & Jacobs	30-Nov-22	80843	16,503.13
Calvo Fisher & Jacobs	31-Dec-22	80918	54,651.98
Calvo Fisher & Jacobs	31-Jan-23	80947	76,065.21
Calvo Fisher & Jacobs	28-Feb-23	80983	70,414.25
Hwawoo	05-Mar-19	KR5931-1903-004	12,644.89
Hwawoo	04-Apr-19	KR5931-1904-005	88,380.00
Hwawoo	23-May-19	KR5931-1905-011	12,295.80
Hwawoo	25-Mar-20	KR5931-1912-023	46,967.87
Total			9,557,009.50
10% of Total			955,700.95

* 10% of total cost is allocated to Reserve Facility cost

Attachment #1-b

Technical Service Agreement with B&V (a portion of Main Facility included)

Task	Description	Contract Price	Invoice #1	Invoice #2	Invoice #3	Invoice #4	Invoice #5 & 6	Invoice #7	Invoice #8	Invoice #9&10	Total Payment	Note
Task 1	Baseline Studies	61,046	12,209.00	48,837.00							61,046.00	RF : 100%
Task 1b, 1c	Wetland Delineation and Mapping	10,500										
Task 1d	Noise and Vibration Background Study	12,318										
Task 2	Full EIA (Short form EIA as option) / Supplementary EIA	97,171	12,405.00	31,012.00	9,303.60			44,450.40			97,171.00	RF : 100%
Task 2c	EIA Public Meeting Support	9,853										
Task 3 to 3d	Air Permit, Air Modeling and Iteration, Public Meeting Support	111,310	17,384.00					28,072.00			45,456.00	RF : 100%
Task 4 to 4b	Height Zone Variance, Public Meeting Support	54,017										
Task 5	Phase I ESA	16,717			3,343.40		13,373.60				16,717.00	RF : 100%
Task 6	Engineering and Post-Filing Support	67,608										
Task 7	Ukudu CCCT Project Support	225,035			5,578.00	29,667.00	48,658.19	139,727.45			223,630.64	RF : On call basis
Task 8	Environmental and Social Action Plan (New)	215,000			43,000.00	129,000.00	21,500.00	10,750.00			204,250.00	RF : 30%
Task 9	CCPP Remodeling	15,829							15,829.00		15,829.00	RF : 0%
Task 10	Pre-Submittal Support	87,584							87,584.00		87,584.00	RF : 30%
Task 11	Post-Submittal Support	200,000								120,277.96	120,277.96	RF : 30%
Task 12	DG Air Dispersion Modeling and Protocol Document	83,208									0.00	
Total		1,267,196	41,998.00	79,849.00	61,225.00	158,667.00	83,531.79	222,999.85	103,413.00	120,277.96	871,961.60	

Technical Service Agreement with B&V (Reserve Facility portion only)


Task	Description	Contract Price	Invoice #1	Invoice #2	Invoice #3	Invoice #4	Invoice #5 & 6	Invoice #7	Invoice #8	Invoice #9	Total Payment	Note
Task 1	Baseline Studies	61,046	12,209.00	48,837.00							61,046.00	RF : 100%
Task 1b, 1c	Wetland Delineation and Mapping	10,500										
Task 1d	Noise and Vibration Background Study	12,318										
Task 2	Full EIA (Short form EIA as option) / Supplementary EIA	97,171	12,405.00	31,012.00	9,303.60			44,450.40			97,171.00	RF : 100%
Task 2c	EIA Public Meeting Support	9,853										
Task 3 to 3d	Air Permit, Air Modeling and Iteration, Public Meeting Support	111,310	17,384.00					28,072.00			45,456.00	RF : 100%
Task 4 to 4b	Height Zone Variance, Public Meeting Support	54,017										
Task 5	Phase I ESA	16,717			3,343.40		13,373.60				16,717.00	RF : 100%
Task 6	Engineering and Post-Filing Support	67,608										
Task 7	Ukudu CCCT Project Support	225,035			5,578.00	6,016.00	6,600.00	75,102.25			93,296.25	RF : On call basis
Task 8	Environmental and Social Action Plan (New)	215,000			12,900.00	38,700.00	6,450.00	3,225.00			61,275.00	RF : 30%
Task 9	CCPP Remodeling	15,829							0.00		0.00	RF : 0%
Task 10	Pre-Submittal Support	87,584							26,275.20		26,275.20	RF : 30%
Task 11	Post-Submittal Support	200,000								43,236.50	43,236.50	RF : 30%
Task 12	DG Air Dispersion Modeling and Protocol Document	83,208									0.00	
Total		1,267,196	41,998.00	79,849.00	31,125.00	44,716.00	26,423.60	150,849.65	26,275.20	43,236.50	444,472.95	

* Task 1, 2, 3, 5 : 100% for Reserve Facility

* Task 7 : Actual hours for the Reserve Facility is calculated

* Task 8, 10, 11 : 30% of total amount is applied for the Reserve Facility

Invoice #1


		<h2 style="margin: 0;">INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCUS44 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 215931 INVOICE DATE 12-May-2021</p>	
		<p>BILLED THRU 7-May-2021 PAYMENT DUE 11-Jun-2021 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 41,998.00</p>	

DESCRIPTION	LABOR	EXPENSE	TOTAL
TASK 1 SUBTASK 1A. BASELINE STUDIES 20% OF \$61,046			12,209.00
TASK 2 SUBTASK 2B. SHORT FORM EIA 20% OF \$62,024			12,405.00
TASK 3 OPTIONAL SUBTASK 3B. AIR DISPERSION MODELING, FIRST ITERATION 20% OF \$35,09C			7,018.00
TASK 3 SUBTASK 3A. AIR POLLUTION CONTROL PERMIT AND APPROVAL 20% OF \$51,831			10,366.00
SUBTOTAL			41,998.00
TOTAL			41,998.00

TOTAL DUE (USD)	41,998.00
CONTRACT MAXIMUM	315,000.00
BALANCE REMAINING	273,002.00

Reserve Facility Portion is marked in Red

Invoice #2


		<h2 style="margin: 0;">INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCUS44 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 216063 INVOICE DATE 8-Jul-2021</p>	<p>BILLED THRU 2-Jul-2021 PAYMENT DUE 7-Aug-2021 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 79,849.00</p>

DESCRIPTION	LABOR	EXPENSE	TOTAL
TASK 1 SUBTASK 1A. BASELINE STUDIES 80% OF \$61,046			48,837.00
TASK 2 SUBTASK 2B. SHORT FORM EIA 50% OF \$62,024			31,012.00
SUBTOTAL			79,849.00
TOTAL			79,849.00

TOTAL DUE (USD)	79,849.00
CONTRACT MAXIMUM	315,000.00
BALANCE REMAINING	193,153.00

Reserve Facility Portion is marked in Red

Invoice #3

		<h2 style="margin: 0;">INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCUS44 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 216283 INVOICE DATE 19-Oct-2021</p>	<p>BILLED THRU 1-Oct-2021 PAYMENT DUE 18-Nov-2021 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 61,225.00</p>


DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
RINKOL, MICHAEL J	27.00	200.00	5,400.00		5,400.00
WEINAND, BRYCE J	1.00	178.00	178.00		178.00
AMENDMENT 2 TASK 8 20% UPON AGREEMENT EXECUTION					43,000.00
TASK 2 SUBTASK 2B. SHORT FORM IEA 15% SUBMISSION OF DRAFT SHORT-FORM EIA TO AGENCY					9,303.60
TASK 5 PHASE 1 ESA 20% UPON NOTICE TO PROCEED					3,343.40
SUBTOTAL					61,225.00
TOTAL	28.00		5,578.00		61,225.00

(12,900.0)

TOTAL DUE (USD)	61,225.00
CONTRACT MAXIMUM	315,000.00
BALANCE REMAINING	131,928.00

Reserve Facility Portion is marked in Red

Invoice #4

		<h2>INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCU544 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 216360 INVOICE DATE 17-Nov-2021</p>	<p>BILLED THRU 5-Nov-2021 PAYMENT DUE 17-Dec-2021 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 158,667.00</p>

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
KARR, GRIFFIN	9.00	143.00	1,287.00		1,287.00
RINKOL, MICHAEL J	125.00	[25.0]	25,000.00		25,000.00 [5,000]
TIMPE, DOUGLAS C	7.00	[4.0]	1,778.00		1,778.00 [1,016]
WEINAND, BRYCE J	9.00	178.00	1,602.00		1,602.00
AMENDMENT 2 TASK 8 60% 1ST SET OF DRAFT RESPONSES SUBMITTED TO CLIENT					129,000.00 [38,700.0]
SUBTOTAL					158,667.00
TOTAL	150.00		29,667.00		158,667.00

TOTAL DUE (USD)	158,667.00
CONTRACT MAXIMUM	400,000.00
BALANCE REMAINING	58,261.00

Reserve Facility Portion is marked in Red


TIME LOG

12369	Guam Ukudu Power LLC	Invoice No. 216360
408667	Guam DG Power Project	-----
10/22/2021		

PROFESSIONAL SERVICES

Week Ending:	Timekeeper	Task	Description	Hours	
9/10/2021	Rinkol	7	Followup with agency re: status of draft air permit (CCCT)	1	
10/8/2021	Rinkol	7	Followup with agency re: single source determination (DG)	14	RF
10/8/2021	Rinkol	7	Review/comment on GEPA draft air permit (CCCT)	12	
10/15/2021	Rinkol	7	Followup with agency re: single source determination (DG)	8	RF
10/15/2021	Rinkol	7	Respond to GUP questions regarding draft air permit strategy (CCCT)	23	
10/22/2021	Rinkol	7	Followup re: single source determination (DG)	3	RF
10/22/2021	Rinkol	7	Respond to GUP questions regarding draft air permit strategy; initiate preparation of draft air permit (CCCT)	16	
10/29/2021	Rinkol	7	Preparation of draft air permit and Statement of Basis (CCCT)	28	
11/5/2021	Rinkol	7	Correspondence with agency regarding draft air permit; revision/update of draft air permit and Statement of Basis (CCCT)	20	
10/8/2021	Weinand	7	Support draft air permit preparation (CCCT)	4	
10/15/2021	Weinand	7	Support draft air permit preparation (CCCT)	3	
10/22/2021	Weinand	7	Support draft air permit preparation (CCCT)	2	
10/29/2021	Karr	7	Support draft air permit preparation (CCCT)	6	
11/5/2021	Karr	7	Support draft air permit preparation (CCCT)	3	
10/1/2021	Timpe	7	Review of single source determination (DG)	2	RF
10/15/2021	Timpe	7	Review of single source determination (DG)	2	RF
10/15/2021	Timpe	7	Review of draft air permit preparation (CCCT)	1	
10/22/2021	Timpe	7	Review of draft air permit preparation (CCCT)	2	
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
Click or tap to enter a date.					
TOTAL				150	

Invoice #5

		<h2>INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCUS44 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 216447 INVOICE DATE 23-Dec-2021</p>	<p>BILLED THRU 3-Dec-2021 PAYMENT DUE 22-Jan-2022 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 24,482.51</p>

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
RINKOL, MICHAEL J	35.00	[33.0]	200.00	7,000.00	7,000.00
TIMPE, DOUGLAS C	18.00	254.00	4,572.00		4,572.00
TG ENGINEERS INVOICE 19-041-09					14,201.56
SUBTOTAL					25,773.56
TOTAL	53.00		11,572.00		25,773.56

[6,600.0]

10% COST OF 3RD PARTY SERVICES MARKUP WAIVED BY BLACK & VEATCH FOR INVOCIE 216447 -1291.05

TOTAL DUE (USD)	24,482.51
------------------------	------------------

Reserve Facility Portion is marked in Red

TIME LOG


	Guam Ukudu Power LLC	Invoice No. 216435
408667	Guam DG Power Project	-----
12/15/2021		

PROFESSIONAL SERVICES – BLACK & VEATCH

Week Ending:	Timekeeper	Task	Description	Hours
11/5/2021	Rinkol	7	Followup with agency re: status of draft air permit	2
11/19/2021	Rinkol	7	Followup with agency re: single source determination; review/comment on GEPA draft air permit	1
11/26/2021	Rinkol	7	Followup with agency re: single source determination; respond to GUP questions regarding draft air permit strategy	12
12/3/2021	Rinkol	7	Followup re: single source determination; respond to GUP questions regarding draft air permit strategy; air permit application preparation	20
10/29/2021	Timpe	7	Review preparation of draft air permit and Statement of Basis	6
11/12/2021	Timpe	7	Oversight of draft air permit preparation	2
11/19/2021	Timpe	7	Oversight of draft air permit preparation	2
12/3/2021	Timpe	7	Review air permitting materials/correspondence	8
TOTAL				53

RF
RF
RF

Invoice #6

		<h2 style="margin: 0;">INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCUS44 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT TIMPE, DOUGLAS C TELEPHONE +19134586437 INVOICE NO 216477 INVOICE DATE 10-Jan-2022</p>	
		<p>BILLED THRU 31-Dec-2021 PAYMENT DUE 9-Feb-2022 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 59,049.28</p>	

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
CRIST, CAILEE	8.00	139.00	1,112.00		1,112.00
RINKOL, MICHAEL J					19,600.00
TIMPE, DOUGLAS C	10.00	254.00	2,540.00		2,540.00
TASK 5 - PHASE I ESA - 80% OF \$16,717					13,373.60
TASK 8 - LENDER SUPPORT - 10% OF \$215,000					21,500.00
TG ENG 19-041-10					1,016.05
SUBTOTAL					59,141.65
TOTAL	116.00		23,252.00		59,141.65
10% COST OF 3RD PARTY SERVICES MARKUP WAIVED BY BLACK & VEATCH FOR INVOCIE 216477					-92.37
TOTAL DUE (USD)					59,049.28

[6,450.0]

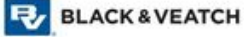
TIME LOG

	Guam Ukudu Power LLC	Invoice No. 216477
408667	Guam DG Power Project	-----
1/11/2022		

PROFESSIONAL SERVICES – BLACK & VEATCH

Week Ending:	Timekeeper	Task	Description	Hours
12/10/2021	Rinkol	7	Prepare draft air permit	15
12/17/2021	Rinkol	7	Prepare draft air permit	20
12/24/2021	Rinkol	7	Prepare draft air permit	31
12/31/2021	Rinkol	7	Prepare draft air permit	32
12/24/2021	Crist	7	Prepare draft air permit	8
12/10/2021	Timpe	7	Review preparation of draft air permit	8
12/17/2021	Timpe	7	Oversight of draft air permit preparation	2
TOTAL				116

Invoice #7

		<h2>INVOICE</h2>	
PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 803823 KANSAS CITY MO 64180-3823 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913		ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 2717320 COMMERCE BANK, KC, MO. USA ABA NUMBER: 101000019 S.W.I.F.T. NO. CBKCU544 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117	
		CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT LUCAS, KYLE J TELEPHONE +19134589062 INVOICE NO 216808 INVOICE DATE 31-May-2022	
		BILLED THRU 20-May-2022 PAYMENT DUE 30-Jun-2022 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 222,999.85	

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL	
AMENDMENT 1, TASK 7						
ENYART, DANA M	7.00	[5.0]	90.00	630.00	630.00	[450.0]
KEARN, KEENAN G	9.00	[3.0]	118.00	1,062.00	1,062.00	[354.0]
LUCAS, KYLE J	110.50	[43.5]	254.00	28,067.00	28,067.00	[11,049.0]
LUECKE, GENISE M	37.25	[11.25]	225.00	8,381.25	8,381.25	[2,531.25]
RINKOL, MICHAEL J	483.00	[292.0]	200.00	96,600.00	96,600.00	[58,400.0]
SZYMANSKI, JEFF D	2.00		210.00	420.00	420.00	
TIMPE, DOUGLAS C	8.00	[8.0]	254.00	2,032.00	2,032.00	[2,032.0]
WILLIAMS, SAMUEL E	7.00	[2.0]	143.00	1,001.00	1,001.00	[286.0]
TG ENG 19-041-11					1,534.20	
AMENDMENT 2 TASK 8 - LENDER SUPPORT - 5% OF \$215,000					10,750.00	[3,225.0]
TASK 2 - SUBTASK 2A. FULL EIA- % OF \$97,171					35,147.00	
TASK 2 SUBTASK 2B. SHORT FORM EIA - FINAL					9,303.40	
TASK 3 -OPTIONAL SUBTASK 3B. AIR DISPERSION MODELING, FIRST ITERATION 80%					28,072.00	
SUBTOTAL					222,999.85	
TOTAL	663.75		138,193.25		222,999.85	

TOTAL DUE	222,999.85
------------------	-------------------

Reserve Facility Portion is marked in Red


GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

Project	Task ID	Name	Hours	Trans	Comments for activities	CCPP	Reserve Facility
				Week End Date			
408667	2000	Enyart, Dana	3.00	01/28/2022	General Administration		X
408667	2000	Enyart, Dana	2.00	01/28/2022	General Administration	X	
408667	2000	Enyart, Dana	2.00	04/01/2022	General Administration		X
408667	2000	Lucas, Kyle	2.00	01/07/2022	Project oversight and General Admin and Dispersion modeling		X
408667	2000	Lucas, Kyle	2.00	01/14/2022	Project oversight and General Admin and Dispersion modeling		X
408667	2000	Lucas, Kyle	3.00	01/14/2022	Project oversight and General Admin	X	
408667	2000	Lucas, Kyle	1.00	01/21/2022	Project oversight and General Admin and Dispersion modeling		X
408667	2000	Lucas, Kyle	4.00	01/21/2022	Project oversight and General Admin and Dispersion modeling	X	
408667	2000	Lucas, Kyle	2.00	01/28/2022	Project oversight and General Admin and Dispersion modeling		X
408667	2000	Lucas, Kyle	2.00	01/28/2022	Project oversight and General Admin	X	
408667	2000	Lucas, Kyle	3.50	02/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	02/04/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	4.00	02/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	2.00	02/11/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	3.00	02/18/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	02/18/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	2.00	02/25/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	02/25/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	4.00	03/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	2.00	03/04/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	2.00	03/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	03/11/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	1.00	03/18/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	03/18/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	3.00	03/25/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	03/25/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	3.00	04/01/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	04/01/2022	Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	1.00	04/08/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	5.00	04/15/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	3.00	04/15/2022	Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	2.00	04/22/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	1.00	04/22/2022	Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	5.50	04/29/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	2.00	04/29/2022	Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	05/06/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	1.00	05/06/2022	Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	7.00	05/13/2022	Comments Draft Permit (CCPP) Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	4.00	05/13/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	2.00	05/20/2022	Comments Draft Permit (CCPP) Meetings Response to GUP Questions	X	
408667	2000	Lucas, Kyle	1.00	05/20/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Lucas, Kyle	1.00	01/21/2022	Meetings and Response to GUP Questions	X	
408667	2000	Luecke, Genise	0.50	01/28/2022	Meetings and Response to GUP Questions	X	
408667	2000	Luecke, Genise	0.50	01/28/2022	Meetings and Response to GUP Questions		X
408667	2000	Luecke, Genise	0.50	02/04/2022	Meetings and Response to GUP Questions	X	
408667	2000	Luecke, Genise	0.50	02/04/2022	Meetings and Response to GUP Questions		X
408667	2000	Luecke, Genise	1.00	02/18/2022	Meetings and Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.00	02/25/2022	Meetings and Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.00	03/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.00	03/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.00	03/18/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.00	03/25/2022	Meetings Comments Draft Permit (CCPP)	X	
408667	2000	Luecke, Genise	1.00	04/01/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Luecke, Genise	1.50	04/15/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Luecke, Genise	0.50	04/15/2022	Meetings Response to GUP Questions	X	
408667	2000	Luecke, Genise	3.00	03/18/2022	Meetings Response to GUP Questions		X
408667	2000	Luecke, Genise	5.00	03/18/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Rinkol, Michael	8.00	03/25/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Meetings		X
408667	2000	Rinkol, Michael	3.00	03/25/2022	Meetings Comments Draft Permit (CCPP)	X	
408667	2000	Rinkol, Michael	9.00	04/01/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2000	Rinkol, Michael	25.00	04/15/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	5.00	04/15/2022	Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	28.00	04/22/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	5.00	04/22/2022	Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	25.00	04/29/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	3.00	04/29/2022	Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	28.00	05/06/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	6.00	05/06/2022	Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	13.00	05/13/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	13.00	05/13/2022	Comments Draft Permit (CCPP) Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	11.00	05/20/2022	Additional requested support beyond Task 3's scope for Draft Application (Reserve) Meetings Response to GUP Questions		X
408667	2000	Rinkol, Michael	11.00	05/20/2022	Comments Draft Permit (CCPP) Meetings Response to GUP Questions	X	
408667	2000	Rinkol, Michael	9.00	02/11/2022	Supporting GIS work for AERMET as part of the air dispersion modeling DG and CCPP (Task 3b)		X
408667	2010	Kearn, Keenan	2.00	01/14/2022	Supporting weekly project and strategy and document review with GUP on CCPP and DG		X
408667	2010	Lucas, Kyle	2.00	02/11/2022	Meetings and Response to GUP Questions	X	
408667	2010	Lucas, Kyle	1.00	02/25/2022	Meetings and Response to GUP Questions		X
408667	2010	Lucas, Kyle	2.00	03/04/2022	Meetings and Response to GUP Questions		X
408667	2010	Lucas, Kyle	2.00	03/04/2022	Meetings and Response to GUP Questions	X	
408667	2010	Lucas, Kyle	1.00	03/18/2022	Lender Questions (CCPP), Responses to GUP Questions, General project oversight	X	
408667	2010	Lucas, Kyle	2.00	04/15/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	1.00	04/22/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	1.00	04/29/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	2.50	05/06/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	3.00	05/13/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	3.00	05/20/2022	Lender Questions (CCPP), General project oversight	X	
408667	2010	Lucas, Kyle	1.00	01/14/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

Project	Task ID	Name	Hours	Trans Week End Date	Comments for activities	CCPP	Reserve Facility
408667	2010	Luecke, Genise	2.50	01/21/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Luecke, Genise	1.00	01/21/2022	Response to GUP Questions Meetings	X	
408667	2010	Luecke, Genise	1.50	01/28/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Luecke, Genise	0.50	01/28/2022	Response to GUP Questions Meetings	X	
408667	2010	Luecke, Genise	1.00	02/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Luecke, Genise	1.00	02/11/2022	Meetings Response to GUP Questions		X
408667	2010	Luecke, Genise	1.00	02/25/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Luecke, Genise	4.00	03/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Luecke, Genise	1.25	03/04/2022	Meetings Response to GUP Questions		X
408667	2010	Luecke, Genise	1.00	03/11/2022	Meetings Comments Draft Permit (CCPP)	X	
408667	2010	Luecke, Genise	0.50	03/18/2022	Response to GUP Questions		X
408667	2010	Luecke, Genise	2.00	03/25/2022	Lender Questions (CCPP) and Responses to GUP Questions	X	
408667	2010	Luecke, Genise	2.00	04/01/2022	Lender Questions (CCPP)	X	
408667	2010	Luecke, Genise	2.00	04/08/2022	Lender Questions (CCPP)	X	
408667	2010	Luecke, Genise	3.00	04/15/2022	Lender Questions (CCPP)	X	
408667	2010	Luecke, Genise	28.00	01/07/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Luecke, Genise	6.00	01/07/2022	Meetings	X	
408667	2010	Rinkol, Michael	10.00	12/31/2021	Timesheet Error		
408667	2010	Rinkol, Michael	30.00	01/14/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Rinkol, Michael	4.00	01/14/2022	Meetings	X	
408667	2010	Rinkol, Michael	12.00	01/21/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Rinkol, Michael	4.00	01/21/2022	Meetings	X	
408667	2010	Rinkol, Michael	19.00	01/28/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions Meetings		X
408667	2010	Rinkol, Michael	4.00	01/28/2022	Meetings	X	
408667	2010	Rinkol, Michael	3.00	02/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	1.00	02/04/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	9.00	02/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	1.00	02/11/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	5.00	02/18/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	1.00	02/18/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	14.00	02/25/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	2.00	02/25/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	24.00	03/04/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	6.00	03/04/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	20.00	03/11/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	5.00	03/11/2022	Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	10.00	03/18/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Meetings		X
408667	2010	Rinkol, Michael	7.00	03/18/2022	Meetings Comments Draft Permit (CCPP)	X	
408667	2010	Rinkol, Michael	8.00	03/18/2022	Timesheet Error		
408667	2010	Rinkol, Michael	12.00	03/25/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Meetings Response to GUP Questions		X
408667	2010	Rinkol, Michael	10.00	03/25/2022	Meetings Comments Draft Permit (CCPP) Response to GUP Questions	X	
408667	2010	Rinkol, Michael	11.00	03/25/2022	Timesheet Error		
408667	2010	Rinkol, Michael	28.00	04/01/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Meetings		X
408667	2010	Rinkol, Michael	5.00	04/01/2022	Meetings	X	
408667	2010	Rinkol, Michael	-9.00	04/01/2022	Timesheet Error		
408667	2010	Rinkol, Michael	25.00	04/08/2022	Comments Draft Permit (CCPP) Meetings	X	
408667	2010	Rinkol, Michael	9.00	04/08/2022	Meetings		X
408667	2010	Rinkol, Michael	5.00	04/15/2022	Lender Questions (CCPP)	X	
408667	2010	Rinkol, Michael	4.00	04/22/2022	Lender Questions (CCPP)	X	
408667	2010	Rinkol, Michael	1.00	04/29/2022	Lender Questions (CCPP)	X	
408667	2010	Rinkol, Michael	1.00	05/06/2022	Lender Questions (CCPP)	X	
408667	2010	Rinkol, Michael	5.00	05/13/2022	Lender Questions (CCPP)	X	
408667	2010	Szymanski, Jeff	2.00	01/14/2022	Supplement ESIA sound monitoring CCHP	X	
408667	2010	Timpe, Doug	8.00	01/14/2022	Additional requested support beyond Task 3's scope for Dispersion Modeling (Reserve) Response to GUP Questions		X
408667	2010	Williams, Samuel	2.00	01/07/2022	ESIA for the reserve facility		X
408667	2010	Williams, Samuel	5.00	01/14/2022	Supplemental for the CCHP	X	
		Total	663.75				

Invoice #8


		<h2>INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL P.O. BOX 505618 ST LOUIS, MO 63150-5618 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO:</p> <p>Account number: 8670913175 Active ACH Blocks/Filters on file Yes Routing number ACH/EFT 071000039 Routing number DOM. WIRES 026009593 SWIFT Code INTL WIRES BOFAUS33 - Domestic BOFAUS65 - International BLACK & VEATCH INTERNATIONAL CO 11401 LAMAR AVE OVERLAND PARK KS 66211-1598</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT LUCAS, KYLE J TELEPHONE +19134589062 INVOICE NO 216976 INVOICE DATE 12-Aug-2022</p>	
		<p>BILLED THRU 5-Aug-2022 PAYMENT DUE 11-Sep-22 PAYMENT TERMS NET 30 INVOICE CURRENCY USD INVOICE AMOUNT 103,413.00</p>	

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
AMENDMENT 3- TASK 9 CAPP REMODELING					15,829.00
AMEND 3 TASK 10 PRE-SUBMITTAL SUPPORT					87,584.00
SUBTOTAL					103,413.00
BALANCE REMAINING					103,413.00

[26,275.20]

Reserve Facility Portion is marked in Red

Invoice #9

		<h2 style="margin: 0;">INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL CO. P.O. BOX 505618 ST. LOUIS MO 63150-5618 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO: BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 8670913175 BANK OF AMERICA, N.A. ABA NUMBER: ACH 071000039, Wire 026009593 S.W.I.F.T. NO. : Domestic BOFAUS3N, Intl BOFAUS6S ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT LUCAS, KYLE J TELEPHONE +19134589062 INVOICE NO 217057 INVOICE DATE 10-Nov-2022</p>	<p>BILLED THRU 2-Sep-2022 PAYMENT DUE 9-Dec-2022 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 69,612.00</p>

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
3100BVI AMEND 3 - POST SUBMI ENGLAND, JOHN D ENS-130 SERVICES CONSUL	35.50	[17.75] 145.00	5,147.50		5,147.50
3100BVI AMEND 3 - POST SUBMI LUCAS, KYLE J PMT-002 PROJECT MANAGER	76.00	[37.5] 254.00	19,304.00		19,304.00
3100BVI AMEND 3 - POST SUBMI MILLER, DUSTY L ENS-132 SERVICES CONSUL	60.00	[19.5] 207.00	12,420.00		12,420.00
3100BVI AMEND 3 - POST SUBMI PARSONS, STEPHANIE S FIN-003 PROJECT ACCOUNT	2.00	[1.0] 90.00	180.00		180.00
3100BVI AMEND 3 - POST SUBMI RICHTER, JOHN ENS-131 SERVICES CONSUL	48.50	[24.25] 193.00	9,360.50		9,360.50
3100BVI AMEND 3 - POST SUBMI RINKOL, MICHAEL J ENS-132 SERVICES CONSUL	116.00	[85.5] 200.00	23,200.00		23,200.00
SUBTOTAL	338.00		69,612.00		69,612.00
TOTAL	338.00		69,612.00		69,612.00

(2,573.75)
 (9,525.0)
 (4,036.5)
 (90.0)
 (4,680.25)
 (17,100.0)

TOTAL DUE (USD)	69,612.00
------------------------	------------------

Reserve Facility Portion is marked in Red

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

				Guam UKUDU Power, LLC			
Project:		408667					
Date:		12/28/2022					
Employee	Date	Hours	Description	CCPP Facility	Reserve Facility		
1	John C. Richter	7/6/2022	0.5	begin drafting E266, subsequently incorporated into the CHA as a stand-alone section in report, email from GUP on 7/1/2022 requesting this activity	X		
2	John C. Richter	7/6/2022	0.5	begin drafting E266, subsequently incorporated into the CHA as a stand-alone section in report, email from GUP on 7/1/2022 requesting this activity			X
3	John C. Richter	7/8/2022	4.5	working on BAP	X		
4	John C. Richter	7/8/2022	4.5	working on BAP			X
5	John C. Richter	7/13/2022	3	working on BAP	X		
6	John C. Richter	7/13/2022	3	working on BAP			X
7	John C. Richter	7/14/2022	4	working on BAP	X		
8	John C. Richter	7/14/2022	4	working on BAP			X
9	John C. Richter	7/15/2022	2	working on BAP	X		
10	John C. Richter	7/15/2022	2	working on BAP			X
11	John C. Richter	7/18/2022	2.5	working on BAP	X		
12	John C. Richter	7/18/2022	2.5	working on BAP			X
13	John C. Richter	7/19/2022	2.5	working on BAP	X		
14	John C. Richter	7/19/2022	2.5	working on BAP			X
15	John C. Richter	7/20/2022	2.5	working on BAP	X		
16	John C. Richter	7/20/2022	2.5	working on BAP			X
17	John C. Richter	7/21/2022	0.5	working on BAP	X		
18	John C. Richter	7/21/2022	0.5	working on BAP			X
19	John C. Richter	7/22/2022	1	working on BAP	X		
20	John C. Richter	7/22/2022	1	working on BAP			X
21	John C. Richter	7/25/2022	0.5	working on BAP	X		
22	John C. Richter	7/25/2022	0.5	working on BAP			X
23	John C. Richter	8/9/2022	0.75	internal timesheet corrections to updated B&V charge number 408667.3100	X		
24	John C. Richter	8/9/2022	0.75	internal timesheet corrections to updated B&V charge number 408667.3100			X
25	John England	7/1/2022	1	Project Kick-off meeting for invasive species write-up.	X		
26	John England	7/1/2022	1	Project Kick-off meeting for invasive species write-up.			X
27	John England	7/5/2022	1.5	Invasive species write-up update. Updated autic species vectors	X		
28	John England	7/5/2022	1.5	Invasive species write-up update. Updated autic species vectors			X
29	John England	7/6/2022	1.25	Invasive species write-up update. Updated autic species vectors	X		
30	John England	7/6/2022	1.25	Invasive species write-up update. Updated autic species vectors			X
31	John England	7/7/2022	1.25	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Updated Air and Ground species vectors	X		
32	John England	7/7/2022	1.25	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Updated Air and Ground species vectors			X
33	John England	7/8/2022	1.25	Progress meeting and check in with D Miller for Invasive speices writeup	X		
34	John England	7/8/2022	1.25	Progress meeting and check in with D Miller for Invasive speices writeup			X
35	John England	7/12/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section.	X		
36	John England	7/12/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section.			X
37	John England	7/13/2022	1.5	Update and modification to Invasive species write-up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added species of high concern.	X		
38	John England	7/13/2022	1.5	Update and modification to Invasive species write-up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added species of high concern.			X
39	John England	7/14/2022	1.25	Update and modification to Invasive species write-up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added species of high concern.	X		
40	John England	7/14/2022	1.25	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added species of high concern.			X
41	John England	7/15/2022	1.25	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added control methods. Added impacts related to project if species are spread	X		
42	John England	7/15/2022	1.25	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section. Added control methods. Added impacts related to project if species are spread			X

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

	Employee	Date	Hours	Description	CCPP Facility	Reserve Facility
43	John England	7/18/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section. And impacts to project.	X	
44	John England	7/18/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Added aquatic invasive species section. And impacts to project.		X
45	John England	7/19/2022	0.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes. Made minor edits after D. Miller QC	X	
46	John England	7/19/2022	0.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes. Made minor edits after D. Miller QC		X
47	John England	7/20/2022	1	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes. Made minor edits after D. Miller QC	X	
48	John England	7/20/2022	1	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes. Made minor edits after D. Miller QC		X
49	John England	7/21/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes.	X	
50	John England	7/21/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes.		X
51	John England	7/22/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes.	X	
52	John England	7/22/2022	1.5	Update and modification to Invasive species write up update, Update and modification to invasive species management plan. Minor edits and formatting changes.		X
53	Stephanie Parsons	5/25/2022	1	General accounting and invoicing	X	
54	Stephanie Parsons	5/25/2022	1	General accounting and invoicing		X
55	Michael Rinkol	5/20/2022	4.0	Update to NOX SU/SD Modeling for CCCT/Review of final Permit for CCCT	X	
56	Michael Rinkol	5/25/2022	8.0	Update to NOX SU/SD Modeling for CCCT/Review of final Permit for CCCT	X	
57	Michael Rinkol	5/26/2022	6.0	Update to NOX SU/SD Modeling for CCCT/Review of final Permit for CCCT	X	
58	Michael Rinkol	5/27/2022	3.0	Update to NOX SU/SD Modeling for CCCT/Review of final Permit for CCCT	X	
59	Michael Rinkol	5/31/2022	6.0	Update to NOX SU/SD Modeling for CCCT/Review of final Permit for CCCT	X	
60	Michael Rinkol	6/5/2022	2.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
61	Michael Rinkol	6/6/2022	2.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
62	Michael Rinkol	6/12/2022	1.5	Respond to Questions in Email (CCCT)	X	
63	Michael Rinkol	6/12/2022	1.5	Respond to Questions in Email (CCCT)		X
64	Michael Rinkol	6/14/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve)	X	
65	Michael Rinkol	6/14/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve)		X
66	Michael Rinkol	6/21/2022	1.0	Internal Discussion (CCCT/Diesel Reserve) / Weekly Meeting (CCCT/Diesel Reserve)	X	
67	Michael Rinkol	6/21/2022	1.0	Internal Discussion (CCCT/Diesel Reserve) / Weekly Meeting (CCCT/Diesel Reserve)		X
68	Michael Rinkol	6/23/2022	2.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
69	Michael Rinkol	6/24/2022	4.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
70	Michael Rinkol	6/28/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve)	X	
71	Michael Rinkol	6/28/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve)		X
72	Michael Rinkol	6/30/2022	5.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve) / Respond to Questions in Email (Diesel Reserve)		X
73	Michael Rinkol	7/5/2022	10.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
74	Michael Rinkol	7/6/2022	3.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
75	Michael Rinkol	7/7/2022	9.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
76	Michael Rinkol	7/8/2022	2.0	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
77	Michael Rinkol	7/12/2022	1.0	Internal Discussion (Diesel Reserve) / Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
78	Michael Rinkol	7/12/2022	3.0	Internal Discussion (Diesel Reserve) / Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve)		X
79	Michael Rinkol	7/22/2022	8.0	Internal Discussion (Diesel Reserve)		X
80	Michael Rinkol	7/25/2022	2.0	Internal Discussion (Diesel Reserve) / Call w/GUP		X
81	Michael Rinkol	7/26/2022	2.0	Modeling Results Summary (Diesel Reserve)		X
82	Michael Rinkol	8/4/2022	8.0	Respond to Questions in Email (Diesel Reserve) / Internal Discussion (Diesel Reserve)		X
83	Michael Rinkol	8/8/2022	1.0	Response to email questions		X


GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

	Employee	Date	Hours	Description	CCPP Facility	Reserve Facility
84	Michael Rinkol	8/9/2022	2.0	Attending meetings (air permitting and weekly project)		X
85	Michael Rinkol	8/10/2022	7.0	Emission Calculations (Diesel Reserve)		X
86	Michael Rinkol	8/12/2022	4.0	Emission Calculations (Diesel Reserve)		X
87	Michael Rinkol	8/15/2022	2.0	Emission Calculations (Diesel Reserve)		X
88	Michael Rinkol	8/18/2022	1.0	Attending meetings (air permitting and weekly project)		X
89	Michael Rinkol	8/23/2022	1.0	Attending meetings (air permitting and weekly project)		X
90	Michael Rinkol	8/30/2022	1.0	Attending meetings (air permitting and weekly project)		X
91	Dusty Miller	5/19/2022	2.5	Internal team coordination/help sort out past contract tasks	X	
92	Dusty Miller	5/19/2022	2.5	Internal team coordination/help sort out past contract tasks		X
93	Dusty Miller	5/23/2022	0.5	Help sort out past contract tasks		X
94	Dusty Miller	5/24/2022	0.5	Help sort out past contract tasks		X
95	Dusty Miller	6/13/2022	0.5	Help sort out past contract tasks	X	
96	Dusty Miller	6/13/2022	0.5	Help sort out past contract tasks		X
97	Dusty Miller	6/17/2022	0.5	Help sort out past contract tasks	X	
98	Dusty Miller	6/17/2022	0.5	Help sort out past contract tasks		X
99	Dusty Miller	6/20/2022	1	Call with Mr. Son		X
100	Dusty Miller	6/21/2022	0.5	Internal team coordination	X	
101	Dusty Miller	6/21/2022	0.5	Internal team coordination		X
102	Dusty Miller	6/28/2022	1.5	Internal team coordination, CHA and other items call with Mr. Son, post-call coordination and emails	X	
103	Dusty Miller	6/28/2022	1.5	Internal team coordination, CHA and other items call with Mr. Son, post-call coordination and emails		X
104	Dusty Miller	6/29/2022	1	Look for monitoring plan information for proposal to do construction monitoring monthly and biannually	X	
105	Dusty Miller	6/29/2022	1	Look for monitoring plan information for proposal to do construction monitoring monthly and biannually		X
106	Dusty Miller	6/30/2022	1	Preparation for coordination with internal team to work on monitoring proposal, meeting with internal team (2 of these hours go toward 7/8 week)	X	
107	Dusty Miller	6/30/2022	1	Preparation for coordination with internal team to work on monitoring proposal, meeting with internal team (2 of these hours go toward 7/8 week)		X
108	Dusty Miller	7/4/2022	0.5	Internal team coordination	X	
109	Dusty Miller	7/4/2022	0.5	Internal team coordination		X
110	Dusty Miller	7/7/2022	1.25	Look again for suitable traffic count information	X	
111	Dusty Miller	7/7/2022	1.25	Look again for suitable traffic count information		X
112	Dusty Miller	7/8/2022	1	Internal team coordination		X
113	Dusty Miller	7/11/2022	0.75	Internal team monitoring proposal work coordination	X	
114	Dusty Miller	7/11/2022	0.75	Internal team monitoring proposal work coordination		X
115	Dusty Miller	7/12/2022	0.5	Internal team monitoring proposal work coordination	X	
116	Dusty Miller	7/12/2022	0.5	Internal team monitoring proposal work coordination		X
117	Dusty Miller	7/19/2022	1	Assistance sorting out past contract/billing info	X	
118	Dusty Miller	7/19/2022	1	Assistance sorting out past contract/billing info		X
119	Dusty Miller	7/20/2022	0.5	CHA, invasive species items coordination	X	
120	Dusty Miller	7/20/2022	0.5	CHA, invasive species items coordination		X
121	Dusty Miller	7/21/2022	2	CHA/BAP review final report, internal team coordination	X	
122	Dusty Miller	7/21/2022	2	CHA/BAP review final report, internal team coordination		X
123	Dusty Miller	7/22/2022	3.5	Reserve Facility traffic and invasive species writeup reviews and additions (4 of these hours go toward 7/29 week total)	X	
124	Dusty Miller	7/23/2022	5	ESAP items, Reserve Facility ESIA items	X	
125	Dusty Miller	7/24/2022	5	ESAP items, Reserve Facility ESIA items	X	
126	Dusty Miller	7/25/2022	4	ESAP items, Reserve Facility ESIA items	X	
127	Dusty Miller	7/26/2022	4.5	ESAP items, Reserve Facility ESIA items	X	
128	Dusty Miller	7/27/2022	2	ESAP items, Reserve Facility ESIA items finish	X	
129	Dusty Miller	8/10/2022	1.25	Help determining correct invoice charges for TG tasks	X	
130	Dusty Miller	8/10/2022	1.25	Help determining correct invoice charges for TG tasks		X
131	Dusty Miller	8/19/2022	0.75	Timesheet changes to move to different project phase	X	
132	Dusty Miller	8/19/2022	0.75	Timesheet changes to move to different project phase		X
133	Dusty Miller	8/22/2022	0.5	Timesheet changes to move to different project phase	X	
134	Dusty Miller	8/22/2022	0.5	Timesheet changes to move to different project phase		X
135	Kyle Lucas	5/24/2022	3	Update to NOX SU/SD Modeling forCCCT/Review of final Permit for CCCT, GPA weekly permitting call, Amendment 3 discussions, general project management	X	
136	Kyle Lucas	5/25/2022	2	Status meeting about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM, Accounting meeting	X	
137	Kyle Lucas	5/25/2022	2	Status meeting about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM, Accounting meeting		X
138	Kyle Lucas	5/26/2022	2	Project Management Activities	X	
139	Kyle Lucas	5/26/2022	2	Project Management Activities		X
140	Kyle Lucas	5/31/2022	2	GUP Questions/responses call, Update to NOX SU/SD Modeling forCCCT/Review of final Permit for CCCT	X	
141	Kyle Lucas	6/8/2022	3.5	Meeting on ARC, Env. GUP, and B&V team status about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM	X	
142	Kyle Lucas	6/8/2022	3.5	Meeting on ARC, Env. GUP, and B&V team status about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM		X
143	Kyle Lucas	6/14/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve), GPA permitting and status call	X	
144	Kyle Lucas	6/14/2022	0.5	Weekly Meeting (CCCT/Diesel Reserve), GPA permitting and status call		X

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

	Employee	Date	Hours	Description	CCPP Facility	Reserve Facility
145	Kyle Lucas	6/17/2022	1	Status meeting about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM	X	
146	Kyle Lucas	6/17/2022	1	Status meeting about potential mitigation activities to satisfy net-gain requirement suggested by AECOMM		X
147	Kyle Lucas	6/20/2022	2	Call with GPA, follow-up activities		X
148	Kyle Lucas	6/21/2022	1	Internal Discussion (CCCT/Diesel Reserve) / Weekly Meeting (CCCT/Diesel Reserve)	X	
149	Kyle Lucas	6/21/2022	1	Internal Discussion (CCCT/Diesel Reserve) / Weekly Meeting (CCCT/Diesel Reserve)		X
150	Kyle Lucas	6/22/2022	1	Internal team coordination	X	
151	Kyle Lucas	6/22/2022	1	Internal team coordination		X
152	Kyle Lucas	6/28/2022	1	Weekly Meeting (CCCT/Diesel Reserve), Combined permitting status and pipeline call	X	
153	Kyle Lucas	6/28/2022	1	Weekly Meeting (CCCT/Diesel Reserve), Combined permitting status and pipeline call		X
154	Kyle Lucas	6/29/2022	1	Internal team coordination	X	
155	Kyle Lucas	6/29/2022	1	Internal team coordination		X
156	Kyle Lucas	6/30/2022	2	Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve) / Respond to Questions in Email (Diesel Reserve)		X
157	Kyle Lucas	7/1/2022	1.5	Project Management Activities	X	
158	Kyle Lucas	7/1/2022	1.5	Project Management Activities		X
159	Kyle Lucas	7/2/2022	1.5	Biodiversity Action Plan (BAP) meeting on path forward, Discuss CHA as a stand-alone section in report	X	
160	Kyle Lucas	7/2/2022	1.5	Biodiversity Action Plan (BAP) meeting on path forward, Discuss CHA as a stand-alone section in report		X
161	Kyle Lucas	7/11/2022	1	Internal team monitoring proposal work coordination project management activities	X	
162	Kyle Lucas	7/11/2022	1	Internal team monitoring proposal work coordination project management activities		X
163	Kyle Lucas	7/12/2022	3	Internal Discussion (Diesel Reserve) / Emission Calculations (Diesel Reserve) / Application Preparation (Diesel Reserve), monthly meeting & pipeline call		X
164	Kyle Lucas	7/13/2022	2	Status BAP, Project management, discussion with team members	X	
165	Kyle Lucas	7/13/2022	2	Status BAP, Project management, discussion with team members		X
166	Kyle Lucas	7/15/2022	1	Discussed Biodiversity Action Plan (BAP), Project management activities	X	
167	Kyle Lucas	7/15/2022	1	Discussed Biodiversity Action Plan (BAP), Project management activities		X
168	Kyle Lucas	7/19/2022	3	Status BAP, Invoicing & Billing resolution	X	
169	Kyle Lucas	7/19/2022	3	Status BAP, Invoicing & Billing resolution		X
170	Kyle Lucas	7/22/2022	4	Internal Discussion (Diesel Reserve) including traffic and invasive species	X	
171	Kyle Lucas	7/25/2022	0.5	Status BAP, ESAP items, Reserve Facility ESIA items	X	
172	Kyle Lucas	7/25/2022	0.5	Status BAP, ESAP items, Reserve Facility ESIA items		X
173	Kyle Lucas	7/26/2022	1.5	Modeling Results Summary (Diesel Reserve), GPA permitting and pipeline call, ESAP items, Reserve Facility ESIA items	X	
174	Kyle Lucas	7/26/2022	1.5	Modeling Results Summary (Diesel Reserve), GPA permitting and pipeline call, ESAP items, Reserve Facility ESIA items		X
175	Kyle Lucas	7/27/2022	1	Review ESAP items, Reserve Facility ESIA items	X	
176	Kyle Lucas	7/27/2022	1	Review ESAP items, Reserve Facility ESIA items		X
177	Kyle Lucas	7/28/2022	1	Project management activities	X	
178	Kyle Lucas	7/28/2022	1	Project management activities		X
179	Kyle Lucas	8/2/2022	0.5	GPA status and pipeline call	X	
180	Kyle Lucas	8/2/2022	0.5	GPA status and pipeline call		X
181	Kyle Lucas	8/3/2022	0.5	Project Management Activities	X	
182	Kyle Lucas	8/3/2022	0.5	Project Management Activities		X
183	Kyle Lucas	8/9/2022	1	Attending meetings (air permitting and weekly project)		X
184	Kyle Lucas	8/10/2022	1	Emission Calculations (Diesel Reserve), invoicing time review, review daily summaries	X	
185	Kyle Lucas	8/10/2022	1	Emission Calculations (Diesel Reserve), invoicing time review, review daily summaries		X
186	Kyle Lucas	8/30/2022	0.5	pipeline call	X	
187	Kyle Lucas	8/30/2022	0.5	pipeline call		X
		Total	338.00			

Invoice #10

		<h2>INVOICE</h2>	
<p>PLEASE REMIT TO: BLACK & VEATCH INTERNATIONAL CO. P.O. BOX 505618 ST. LOUIS MO 63150-5618 FED ID: 440662969 SERVICE TAX NO : COMPANY REG NO : BILL TO: ACCOUNTS PAYABLE GUAM UKUDU POWER LLC 655 SOUTH MARINE CORPS DRIVE UNIT 102 TAMUNING GU GUAM 96913</p>		<p>ELECTRONIC FUNDS TRANSFER TO: BLACK & VEATCH INTERNATIONAL ACCOUNT NUMBER: 8670913175 BANK OF AMERICA, N.A. ABA NUMBER: ACH 071000039, Wire 026009593 S.W.I.F.T. NO. : Domestic BOFAUS3N, Intl BOFAUS65 ***PLEASE INCLUDE INVOICE NUMBER*** ORG ID 117</p>	
		<p>CLIENT REF 408667.1000 CUSTOMER PO NUMBER EXHIBIT A B&V PROJECT NO 408667 PROJECT NAME Diesel Generator Permitting - B&V CONTACT LUCAS, KYLE J TELEPHONE +19134589062 INVOICE NO 217255 INVOICE DATE 26-Dec-2022</p>	<p>BILLED THRU 3-Dec-2022 PAYMENT DUE 25-Jan-2023 PAYMENT TERMS 30 NET INVOICE CURRENCY USD INVOICE AMOUNT 50,665.96</p>

DESCRIPTION	HOURS	BILL RATE	LABOR	EXPENSE	TOTAL
3100BVI AMEND 3 - POST SUBMI BUTLER, BARBARA PMT-002 PROJECT MANAGER	1.00 [0.5]	234.00	234.00		234.00 [17.0]
3100BVI AMEND 3 - POST SUBMI FRAZIER, ETHAN ENS-128 SERVICES CONSUL	12.00	118.00	1,416.00		1,416.00
3100BVI AMEND 3 - POST SUBMI FREDRICK, CINDY ADO-007 ADMIN SUPPORT	2.50 [1.25]	90.00	225.00		225.00 [12.5]
3100BVI AMEND 3 - POST SUBMI LUCAS, KYLE J PMT-002 PROJECT MANAGER	19.50 [10.25]	254.00	4,953.00		4,953.00 [2,603.5]
3100BVI AMEND 3 - POST SUBMI MILLER, DUSTY L ENS-132 SERVICES CONSUL	11.25 [4.5]	207.00	2,328.75		2,328.75 [31.5]
3100BVI AMEND 3 - POST SUBMI PARSONS, STEPHANIE S FIN-003 PROJECT ACCOUNT	6.00 [3.0]	90.00	540.00		540.00 [70.0]
3100BVI AMEND 3 - POST SUBMI RICHTER, JOHN ENS-131 SERVICES CONSUL	1.00 [0.5]	193.00	193.00		193.00 [6.5]
3100BVI AMEND 3 - POST SUBMI RINKOL, MICHAEL J ENS-132 SERVICES CONSUL	6.00 [5.5]	200.00	1,200.00		1,200.00 [1,100]
3100BVI AMEND 3 - POST SUBMI TG ENGINEERS INVOICE BV-20-01-02				39,576.21	39,576.21
SUBTOTAL	59.25		11,089.75		50,665.96
TOTAL	59.25		11,089.75		50,665.96

TOTAL DUE (USD)	50,665.96
------------------------	------------------

Reserve Facility Portion is marked in Red

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

Project: 408667
 Date: 12/22/2022
 Guam UKUDU Power, LLC

Employee	Date	Hours	Description	Reserve Facility	CCPP Facility	
1	Barbara Butler	5/31/2022	0.25	Project Closeout support for Phase II ESA	X	
	Barbara Butler	5/31/2022	0.25	Project Closeout support for Phase II ESA		X
2	Barbara Butler	9/7/2022	0.25	Project Closeout support for Phase II ESA	X	
	Barbara Butler	9/7/2022	0.25	Project Closeout support for Phase II ESA		X
3	John C. Richter	12-Sep-22	0.50	invoicing hours review year to date and spreadsheet update with work descriptions	X	
	John C. Richter	12-Sep-22	0.50	invoicing hours review year to date and spreadsheet update with work descriptions		X
4	Ethan Frazier	7/15/2022	2.00	Reviewed the ESMS documents including associated plans for project construction.		X
5	Ethan Frazier	7/18/2022	1.00	Internal clarification call to discuss revisions to the ESMS document per AECOM's request		X
6	Ethan Frazier	7/19/2022	1.00	Review of AECOM's comments and note-taking over potential changes that are required for		X
7	Ethan Frazier	7/20/2022	4.00	Revising the ESMS to make it more stream-lined and efficient per AECOM's request		X
8	Ethan Frazier	7/21/2022	0.50	Internal call covering changes made to the ESMS document		X
9	Ethan Frazier	7/22/2022	3.50	Revising the ESMS to make it more stream-lined and efficient per AECOM's request		X
10	Cindy K Fredrick	7/21/2022	0.75	Formatted a report for John Richter (BAP)	X	
	Cindy K Fredrick	7/21/2022	0.75	Formatted a report for John Richter (BAP)		X
11	Cindy K Fredrick	7/26/2022	0.50	Formatted a report for John Richter (BAP)	X	
	Cindy K Fredrick	7/26/2022	0.50	Formatted a report for John Richter (BAP)		X
12	Kyle J Lucas	9/8/2022	4.00	Project Management Activities & Air Status discussion internal	X	
	Kyle J Lucas	9/8/2022	3.00	Project Management Activities & Air Status discussion internal		X
13	Kyle J Lucas	9/14/2022	1.00	Project Management Activities & Air Status discussion internal	X	
	Kyle J Lucas	9/14/2022	1.00	Project Management Activities & Air Status discussion internal		X
14	Kyle J Lucas	9/22/2022	0.50	Project Management Activities & Air Status discussion internal	X	
	Kyle J Lucas	9/22/2022	0.50	Project Management Activities & Air Status discussion internal		X
15	Kyle J Lucas	9/27/2022	0.50	Attending meetings (air permitting and weekly project)	X	
	Kyle J Lucas	9/27/2022	0.50	Attending meetings (air permitting and weekly project)		X
16	Kyle J Lucas	10/3/2022	2.00	Project Management Activities	X	
	Kyle J Lucas	10/3/2022	1.00	Project Management Activities		X
17	Kyle J Lucas	10/20/2022	0.50	Project Management Activities	X	
	Kyle J Lucas	10/20/2022	0.50	Project Management Activities		X
18	Kyle J Lucas	10/25/2022	0.50	Project Management Activities	X	
	Kyle J Lucas	10/25/2022	0.50	Project Management Activities		X
19	Kyle J Lucas	10/29/2022	0.25	Project Management Activities	X	
	Kyle J Lucas	10/29/2022	0.25	Project Management Activities		X
20	Kyle J Lucas	11/10/2022	1.00	Project Management Activities	X	
	Kyle J Lucas	11/10/2022	2.00	Project Management Activities		X
30	Dusty Miller	9/13/2022	2.00	Double Check Phase II, Help sort out past contract tasks, Documentation archive	X	
	Dusty Miller	9/13/2022	3.00	Double Check Phase II, Help sort out past contract tasks, Documentation archive		X
31	Dusty Miller	10/4/2022	1.50	Contract tasks/Invoice Support & Project Management Discussion	X	
	Dusty Miller	10/4/2022	2.00	Contract tasks/Invoice Support & Project Management Discussion		X
32	Dusty Miller	10/12/2022	0.25	Contract tasks/Invoice Support	X	
	Dusty Miller	10/12/2022	0.25	Contract tasks/Invoice Support		X
33	Dusty Miller	10/28/2022	0.25	Contract tasks/Invoice Support	X	
	Dusty Miller	10/28/2022	1.00	Contract tasks/Invoice Support		X
34	Dusty Miller	10/29/2022	0.50	Contract tasks/Invoice Support	X	
	Dusty Miller	10/29/2022	1.00	Contract tasks/Invoice Support		X
35	Stephanie Parsons	10/13/2022	1.50	General accounting and invoicing	X	
	Stephanie Parsons	10/13/2022	1.50	General accounting and invoicing		X
36	Stephanie Parsons	10/20/2022	1.00	General accounting and invoicing	X	
	Stephanie Parsons	10/20/2022	1.00	General accounting and invoicing		X
37	Stephanie Parsons	11/11/2022	0.50	General accounting and invoicing	X	
	Stephanie Parsons	11/11/2022	0.50	General accounting and invoicing		X
38	Michael J Rinkol	9/2/2022	1.00	Attending meetings (air permitting and weekly project)	X	
	Michael J Rinkol	9/2/2022	1.00	Attending meetings (air permitting and weekly project) / Respond to email about construction ambient monitoring		X
39	Michael J Rinkol	9/6/2022	2.00	Attending meetings (air permitting and weekly project)	X	
	Michael J Rinkol	9/13/2022	1.00	Attending meetings (air permitting and weekly project)	X	
41	Michael J Rinkol	9/14/2022	1.00	Daily summary description confirmation for accounting purposes	X	
42	Michael J Rinkol	9/27/2022	0.50	Attending meetings (air permitting and weekly project)	X	
	Michael J Rinkol	9/27/2022	0.50	Attending meetings (air permitting and weekly project)		X
	Total		59.25			

Attachment #1-c

Attachment #1-c. Parcelling, ALTA Survey Fee and Title Insurance list

Subject	Company	Date	Invoice No.	Amount [USD]
Parcelling and ALTA Survey	TG Engineers	04-Jan-22	GUP-21-01-01	12,342.05
Parcelling and ALTA Survey	TG Engineers	29-Apr-22	GUP-21-01-02	19,394.65
Parcelling and ALTA Survey	TG Engineers	30-Nov-22	GUP-21-01-03	14,968.30
Title Insurance	Title Guaranty of Guam	31-Mar-23	Email Confirmation	1,070,432.00
Total				1,117,137.00



101 First St., Tiyan
 Barrigada, GU 96913
 Phone: (671) 647-0808
 Fax: (671) 647-0886

REVISED

INVOICE TO:
 Guam Ukudu Power LLC
 SOMA Building, Unit 102
 655 South Marine Corps Drive
 Tamuning, Guam 96913

ATTENTION TO:
 Mr. Jaehyun Cho, Senior Manager
 Phone: (671) 788-9370
 Email: jaehyun.cho@guamup.com
 CC: jdamian@calvofisher.com

INVOICE NUMBER GUP-21-01-01	INVOICE DATE 01/04/2022
PERIOD ENDING DATE 12/31/2021	

PROJECT TITLE: Guam Ukudu Power, LLC, Piti Project Site, ALTA/NSPS Land Title Survey
 CONTRACT NUMBER:
 SCOPE OF WORK: ALTA Survey & Mapping
 TG ENGINEERS JOB NUMBER: GUP-21-01-70

TASK	DESCRIPTION	FEE	PERCENT COMPLETE	PROGRESS BILLING		
				TO DATE	PREVIOUS	THIS PERIOD
1.0	ALTA/NSPS Survey & Mapping	\$ 23,800.00	35.0%	\$ 8,330.00	\$ -	\$ 8,330.00
2.0	Parceling Survey Map	\$ 9,700.00	35.0%	\$ 3,395.00	\$ -	\$ 3,395.00
	GRT 5.263%	\$ 1,763.00	35.0%	\$ 617.05	\$ -	\$ 617.05
SUBTOTAL		\$ 35,263.00	35.0%	\$ 12,342.05	\$ -	\$ 12,342.05
TOTAL DUE					35% Down Payment	\$ 12,342.05

Si Yu'os Ma'ase,
 TG Engineers, PC

Prepared by:
 Rhennay L. Oiter
 Accounts Receivable

Approved by:
 Tor Gudmundsen - PE
 President
 1-04-22

Reviewed by:
 Shirley Itliong
 01/04/22



101 First St., Tiyan
 Barrigada, GU 96913
 Phone: (671) 647-0808
 Fax: (671) 647-0886

INVOICE TO:
 Guam Ukudu Power LLC
 SOMA Building, Unit 102
 655 South Marine Corps Drive
 Tamuning, Guam 96913

ATTENTION TO:
 Mr. Jaehyun Cho, Senior Manager
 Phone: (671) 788-9370
 Email: jaehyun.cho@guamup.com
 CC: jdamian@calvofisher.com

INVOICE NUMBER GUP-21-01-03	INVOICE DATE 11/30/2022
PERIOD ENDING DATE 11/30/2022	

PROJECT TITLE: Guam Ukudu Power, LLC, Piti Project Site, ALTA/NSPS Land Title Survey
CONTRACT NUMBER:
SCOPE OF WORK: ALTA Survey & Mapping
TG ENGINEERS JOB NUMBER: GUP-21-01-70

Item	DESCRIPTION	FEE	PERCENT COMPLETE	PROGRESS BILLING		
				TO DATE	PREVIOUS	THIS PERIOD
1.0	ALTA/NSPS Survey & Mapping	\$ 23,800.00	100.0%	\$ 23,800.00	\$ 21,420.00	\$ 2,380.00
2.0	Parceling Survey Map	\$ 9,700.00	100.0%	\$ 9,700.00	\$ 8,730.00	\$ 970.00
3.0	Lot 257 Easement, ALTA/NSPS Land Title Survey	\$ 10,870.00	100.0%	\$ 10,870.00	\$ -	\$ 10,870.00
	GRT 5.263%	\$ 2,335.00	100.0%	\$ 2,335.00	\$ 1,586.70	\$ 748.30
SUBTOTAL		\$ 46,705.00	100.0%	\$ 46,705.00	\$ 31,736.70	\$ 14,968.30
TOTAL DUE						\$ 14,968.30

Si Yu'os Ma'ase,
 TG Engineers, PC

Prepared by:
 Rhennay N. Leben
 A/R Specialist

Approved by:
 Tor Gudmundsen - PE
 President 11.30.22

Reviewed by:
 Rosanna Leal
 Accountant

Rec'd: Cathy Mangiona 12-7-22

23. 3. 31. 오후 1:24

guamup.com 메일 - FW: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel



Jaehyun Cho <jaehyun.cho@guamup.com>

FW: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

2개의 메일

Janalynn C. Damian <jdamian@calvofisher.com>

2023년 3월 31일 오전 11:28

받는사람: Jaehyun Cho <jaehyun.cho@guamup.com>

참조: "Michael A. Pangelinan" <mpangelinan@calvofisher.com>, Rodney Jacob <rjacob@calvofisher.com>, Jade Gogo <jgogo@calvofisher.com>

Hi Jae,

Per Ryan's email below, total title costs that can be allocated to the Piti parcel is \$1,070,432.

Let me know if you have any questions.

Jan

Janalynn Cruz Damian

CALVO FISHER & JACOB LLP
GUAM SAIPAN SAN FRANCISCO

[259 Martyr Street, Suite 100](#)

[Hagåtña, Guam 96910](#)

e: jdamian@calvofisher.com

t: 671-646-9355

f: 671-646-9403

www.calvofisher.com

This e-mail message is intended only for the use of the individual or entity named above and may contain confidential and privileged information. If you are not the intended recipient, any disclosure, copying, distribution or use of the information contained in this transmission is strictly PROHIBITED. If you have received this transmission in error, please immediately notify us. Reply info@calvofisher.com, and delete the message immediately. Thank you very much.

From: Ryan Mummert <ryan@titleguam.com>

Sent: Friday, March 31, 2023 11:14 AM

To: Janalynn C. Damian <jdamian@calvofisher.com>

Cc: 'Rodney Jacob' <rjacob@calvofisher.com>; 'Michael A. Pangelinan' <mpangelinan@calvofisher.com>; Michaela Pangilinan <michaela@titleguam.com>

Subject: RE: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

23. 3. 31. 오후 1:24

guamup.com 메일 - FW: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

Hi Jan,

Sorry I missed this. Total premium, less the stated liability for the Piti property would have been \$2,727,841.00, a difference of \$1,070,432.00.

Loan Liability: \$550,722,012

ALTA Loan Policy: \$930,387

Title Examination: \$300

Site Inspection Fee: \$500

Endorsement Fees: \$419,624

Recording Fee: \$1,377,030

Total Estimated Fees: \$2,727,841

I've attached the original statement for your reference. There were no endorsements of significance specific to the Piti property that added any additional cost beyond the increase in liability.

Ryan

From: Janalynn C. Damian <jd Damian@calvofisher.com>
Sent: Thursday, March 30, 2023 7:33 PM
To: Ryan Mummert <ryan@titleguam.com>
Cc: 'Rodney Jacob' <rjacob@calvofisher.com>; 'Michael A. Pangelinan' <mpangelinan@calvofisher.com>; Michaela Pangilinan <michaela@titleguam.com>
Subject: RE: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

WARNING: The sender of this email could not be validated and may not match the person in the From: field.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

23. 3. 31. 오후 1:24

guamup.com 메일 - FW: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

Hi Ryan,

Just a follow-up on the below.

Thanks.

Jan

Janalynn Cruz Damian

CALVO FISHER & JACOB LLP
GUAM SAIPAN SAN FRANCISCO

[259 Martyr Street, Suite 100](#)

[Hagåtña, Guam 96910](#)

e: jdamian@calvofisher.com

t: 671-646-9355

f: 671-646-9403

www.calvofisher.com

This e-mail message is intended only for the use of the individual or entity named above and may contain confidential and privileged information. If you are not the intended recipient, any disclosure, copying, distribution or use of the information contained in this transmission is strictly PROHIBITED. If you have received this transmission in error, please immediately notify us. Reply info@calvofisher.com, and delete the message immediately. Thank you very much.

From: Janalynn C. Damian <jdamian@calvofisher.com>

Sent: Wednesday, March 22, 2023 11:48 AM

To: 'Ryan Mummert' <ryan@titleguam.com>

Cc: 'Rodney Jacob' <rjacob@calvofisher.com>; 'Michael A. Pangelinan' <mpangelinan@calvofisher.com>; 'Michaela Pangilinan' <michaela@titleguam.com>

Subject: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

Hi Ryan,

As I mentioned when we spoke last week, GPA has canceled the Reserve Facility in Piti from the project scope. We are working on amending certain transaction documents to reflect the cancellation (including partial releases of the first and second mortgages as to the Piti parcel). In addition, GUP is reviewing closing and other costs to see what can be allocated to the Reserve Facility/Piti Parcel.

23. 3. 31. 오후 1:24

guamup.com 메일 - FW: Guam Ukudu - Cancellation of Reserve Facility/Release of Piti Parcel

With regard to title closing costs, can you let me know which of the costs (endorsements, premium, etc.) can be allocated specifically to the Piti parcel? GUP has advised that of the \$611,913,346.71 loan amount, 10% or \$61,191,335 was for the Reserve Facility.

Let me know if you need any other information.

Thanks.

Jan

Janalynn Cruz Damian

CALVO FISHER & JACOB LLP
GUAM SAIPAN SAN FRANCISCO

[259 Martyr Street, Suite 100](#)

[Hagåtña, Guam 96910](#)

e: jdamian@calvofisher.com

t: 671-646-9355

f: 671-646-9403

www.calvofisher.com


This e-mail message is intended only for the use of the individual or entity named above and may contain confidential and privileged information. If you are not the intended recipient, any disclosure, copying, distribution or use of the information contained in this transmission is strictly PROHIBITED. If you have received this transmission in error, please immediately notify us. Reply info@calvofisher.com, and delete the message immediately. Thank you very much.

 **GUP - SS.pdf**
37K

Jaehyun Cho <jaehyun.cho@guamup.com>
받는사람: Sunggoo Son <sunggoo.son@guamup.com>

2023년 3월 31일 오후 1:24

차장님, Title Insurance RF portion은
[받은메일 숨김]

 **GUP - SS.pdf**
37K

Attachment #2-a

Total Summary of CEMS Installation

No	System	Item	Unit	Q'ty	On/Off	Price Amount/unit (USD)	Price Amount (USD)	
1	Direct Cost							
	1) Material Supply							
	A	CEMS	EA	1	Off	622,000	622,000	
	Sub total (Material Supply)							622,000
	2) Constrction Work							
	A	Construction Works	Lot	1	On	192,809	192,809	
	Sub total_(Constrction Work)							192,809
	3) Engineering Work							
	A	Engineeing work (by Doosan Enerbility)	DE Engineering = 40 hours	MH	40	Off	110	4,400
	Sub total_Engineering Work							4,400
	4) Other Work							
	A	Ocean Transportaion and Insurance	Based on 1 Container (20 ft)	Set	1	Off	60,653	60,653
	B	Inland Transportaion	50% of Ocean Transportation Fee	Set	1	On	30,326	30,326
	C	Insurance	FOB amount * 110% * 0.02%	Set	1	Off	137	137
	D	Use Tax	4% of CIF value	Set	1	On	27,312	27,312
	E	Quality Control	1 engineer, 2 Day (8 hours/Day) = 16 hours	MH	16	Off	120	1,920
	F	Project Management Control	1 PM, 5 Day (40 hours/Week) = 40 horus	MH	40	On	120	4,800
	G	Technical Advisor	1 engineer, 24 Day (8 hours/Day) = 176 hours	Set	24	On	1,225	29,400
	Sub total_Other Work							154,548
	Sub total_Direct Cost						1) +2) +3) +4)	973,757
	2 Indirect Cost (Including Overhead & Profit)							
	1)	A	Indirect Cost (Including Overhead & Profit)	10% of Direct Cost	Set	1	On	97,376
	Sub Total_Indirect Cost							97,376
	Grand Total (without GRT)							1,071,132
	Grand Total (5% GRT Included)							1,090,233

1) Material Supply

Minus Option

20	CEMS package	3 units	- 622,000	Base : Included
----	--------------	---------	-----------	-----------------

2) Construction Summary of Cost Impact status for CEMS provision

Project Ukudu Power Plant

Cost

[Price Unit : USD]

No.	Work PKG	Calculated Price				Remark
		Base Price		Final Price considering the extra increase rate		
		Construction Price (Base) - (a)	Basis of Unit price, amount	Extra increase rate for Labor wage increase - (b)	Converted amount by applying extra increase rate - (c= a x b)	
1	Electrical and Instrumentation Work	-	- The direct unit price and Indirect cost rate in "Electrical and Instrumentation Work" Subcontract are applied.	112.20%	192,809	
Total					192,809	

Note

1) "Extra increase rate for Labor wage" is calculated as considering the Prevailing Wage Rates for Guam provided by [Foreign Labor Certification Data Center]. The increase rate of mean value for all job

3) Engineering (40MH)

5 Sets Drawing Issued

GUP-XR01-P1HSY-121113	HRSR_SPEC. & DRAWING FOR CEMS	FI
GUP-XR01-P1HSY-121193	HRSR_SYSTEM CONFIGURATION FOR CEMS	FI
GUP-XR01-P1HSY-121194	HRSR_PANEL LAYOUT DRAWING FOR CEMS	FI
GUP-XR01-P1HSY-121195	HRSR_SHELTER LAYOUT DRAWING FOR CEMS	FI
GUP-XR01-P1HSY-121196	HMI GRAPHIC FOR CEMS	FI

Attachment #2-b

Total Summary of Fire Water Storage Tank Installation Works

No	System	Item	Unit	Q'ty	On/Off	Price Amount/unit (USD)	Price Amount (USD)	
1	Direct Cost							
1)	Material Supply							
A	Tank Plate		EA	1	Off	181,628	181,628	
B	Accessories		EA	1	Off	10,833	10,833	
Sub total (Material Supply)							192,462	
2)	Constrction Work							
A	Construction Works		Lot	1	On	1,179,823	1,179,823	
Sub total_(Constrction Work)							1,179,823	
3)	Engineering Work							
A	Engineeing work (by Doosan Enerbility)	DE Engineering = 520 hours	MH	520	Off	110	57,200	
Sub total_Engineering Work							57,200	
4)	Other Work							
A	Ocean Transportaion and Insurance	Based on Bulk	Set	1	Off	36,420	36,420	
B	Inland Transportaion	50% of Ocean Transportation Fee	Set	1	On	18,210	18,210	
C	Insurance	FOB amount * 110% * 0.02%	Set	1	Off	42	42	
D	Use Tax	4% of CIF value	Set	1	On	9,157	9,157	
E	Quality Control	1 engineer, 2 Day (8 hours/Day) = 16 hours	MH	16	Off	120	1,920	
F	Project Management Control	1 PM, 10 Day (8 hours/Day) = 80 horus	MH	80	On	120	9,600	
Sub total_Other Work							75,349	
Sub total_Direct Cost						1) +2) +3) +4)	1,504,834	
2	Indirect Cost (Including Overhead & Profit)							
1)	A	Indirect Cost (Including Overhead & Profit)	Set	1	On		150,483	
Sub Total_Indirect Cost							150,483	
Grand Total (without GRT)							1,655,317	
Grand Total (5% GRT Included)							1,723,681	

1) Material Supply

Description	Price (KRW)	Price (USD)
Tank Plate	217,953,819	181,628.18
Accessories	13,000,000	10,833.33
Total	230,953,819	192,462

2) Construction Summary of Fire Water Storage Tank Provision

Project : Ukudu Power Plant

Cost

[Price Unit : USD]

No.	Work PKG	Calculated Price					
		Base Price		Final Price considering the extra increase rate			
		Construction Price (Base) - (a)	Basis of Unit price, amount	Extra increase rate for Labor wage increase - (b1)	Extra increase rate for Material cost increase - (b2)	Converted amount by applying extra increase rate - (c= a x b1 or b2)	Remark
1	Mechanical, E&I Work	895,728	- The direct unit price and Indirect cost rate in "Mechanical Work" and "Electrical and Instrumentation Work" Subcontract are applied.	112.20%		1,005,007	
2	Civil Work	137,469	- The direct unit price and Indirect cost rate in "Civil and Building Work" Subcontract are applied.			174,816	
(1)	Material Cost	94,384		134.0%		126,475	
(2)	Labor, Equipment Cost	43,085			112.2%	48,341	
Total		1,033,197				1,179,823	

Note

- 1) "Extra increase rate for Labor wage" is calculated as considering the Prevailing Wage Rates for Guam provided by [Foreign Labor Certification Data Center]. The increase
- 2) "Extra increase rate for Material cost increase" is calculated as considering the actual purchased price of major materials for civil work. The increase rate of mean value for

3) Engineering (520MH)

Attachment #2-c

Total Summary of Implementation of Impervious Pavement inside the power plant

No	System	Item	Unit	Q'ty	On/Off	Price Amount/unit (USD)	Price Amount (USD)	
1	Direct Cost							
1)	Material Supply							
A	Included in the Construction Work					-	-	
Sub total (Material Supply)								-
2)	Construction Work							
A	Construction		Lot	1	On	850,434	850,434	
Sub total_(Constrction Work)								850,434
3)	Engineering Work							
A	Engineeirng work (by Doosan Enerbility)		DE Engineering = 400 hours	MH	400	Off	110	44,000
Sub total_Engineering Work								44,000
4)	Other Work							
A	Ocean Transportaion and Insurance		Based on 1 Container (20 ft)	Set	1	Off	-	-
B	Inland Transportaion		50% of Ocean Transportation Fee	Set	1	On	-	-
C	Insurance		FOB amount * 110% * 0.02%	Set	1	Off	-	-
D	Use Tax		4% of CIF value	Set	1	On	-	-
E	Quality Control		1 engineer, 50 Day (8 hours/Day) = 40 hours	MH	40	Off	120	4,800
F	Project Management Control		1 PM, 10 Day (8 hours/Day) = 80 horus	MH	80	On	120	9,600
Sub total_Other Work								14,400
Sub total_Direct Cost					1) +2) +3) +4)			908,834
2 Indirect Cost (Including Overhead & Profit)								
1)	A	Indirect Cost (Including Overhead & Profit)		10% of Direct Cost	Set	1	On	90,883
Sub Total_Indirect Cost								90,883
Grand Total (without GRT)								999,717
Grand Total (5% GRT Applied)								1,047,263

1) Material Supply

N/A

2) Construction Summary of Storm Drain Design Change

[Price Unit : USD]

No.	Work PKG	Calculated Price					
		Base Price		Final Price considering the extra increase rate			
		Construction Price (Base) - (a)	Basis of Unit price, amount	Extra increase rate for Labor wage increase - (b1)	Extra increase rate for Material cost increase - (b2)	Converted amount by applying extra increase rate - (c= a x b1 or b2)	Remark
1	Civil Work	697,396	- The direct unit price and Indirect cost rate in "Civil and Building Work" Subcontract are applied.			850,434	
(1)	Material Cost	311,724		134.0%		417,710	
(2)	Labor, Equipment Cost	385,671			112.2%	432,723	
	Total	697,396				850,434	

Note

1) "Extra increase rate for Labor wage" is calculated as considering the Prevailing Wage Rates for Guam provided by [Foreign Labor Certification Data Center]. The increase rate of mean value for all job categories's hourly wage between effective value on Jun. 2021 (Construction Subcontract timing) and effective value on Mar. 2023 (the present) is 112.2%.

2) "Extra increase rate for Material cost increase" is calculated as considering the actual purchased price of major materials for civil work. The increase rate of mean value for major materials between actual purchased price value on Jun. 2021 (Construction Subcontract timing) and actual purchased price value on Aug. 2022 is 134.0%.

3) Engineering (400MH)

Attachment #3

Total Summary of Transportation Permit Delay

No.	Description	Sub-Vendor	Cost (USD)	Remark	
1	Construction Cost Impact due to HRSG O-section Delivery Delay				
1)	Stand by fee for Manpower	Gaum Advance	1,763,794		
2)	Stand by fee for Equipment (Crane)	Gaum Advance	957,841		
3)	Indirect Cost (15%)	DOOSAN	408,245		
	Sub-total		3,129,880		
2	Recovery Cost for Delayed Construction, Commissioning				
1)	Recovery Plan for the Delayed Construction Schedule	Gaum Advance	2,003,416		
2)	Recovery Plan for the Delayed Commissioning Schedule	DOOSAN	906,390		
3)	Indirect Cost (15%)	DOOSAN	436,471		
	Sub-total		3,346,277		
3	Transportation Cost Impact				
1)	Temporary bridge Mob./Demob. and Storage	Smithbridge	699,300	Temporary Bridge is not required but Doosan performed the related works(Mob., Demob., Simulation, design and etc.) according to DPW's request	
2)	Temporary Bridge Installation Plan for 7 bridges	M&N	24,000		
		TGE	231,145		
3)	Temporary Bridge Installation Plan for 2 bridges	TGE	96,600		
4)	Temporary Bridge Installation Plan for Culvert #19	TGE	36,010		
5)	Temporary Bridge Engineering Services (Sept - Nov, 2022)	TGE	76,436		
6)	Temporary Bridge Engineering Services (Dec 2022 - Jan 2023)		56,357		
7)	NDE Test for 2 culverts and 1 bridge (Matgue, Asan Marina Drive 2 Culvert & Fonte Bridge)	Oyo	19,298		Additional request from DPW
		dooll	27,615		Additional request from DPW
8)	Special Inspection Report for 9 bridges and culverts	M&N	21,000		Additional request from DPW
9)	PUI Additional Insurance Premium (Third Party Public Liability Insurance)	PUI	175,000	Coverage: 5M US Dollar	
10)	Indirect Cost (25%)	DOOSAN	365,690	Due to the markup for subcontractors, the indirect cost is increased than other section.	
	Sub-total		1,828,451		
4	Doosan Insurance Cost Impact				
1)	Additional Insurance Premium (Third Party Public Liability Insurance)	AM Insurance	512,500	Coverage: Add. 20M US Dollar	
2)	Cancellation Fee for Previous Joined Insurance	AB Risk Solutions	100,000		
3)	Indirect Cost (15%)	DOOSAN	91,875		
	Sub-total		704,375		
	Total Amount		9,008,982		
	Total Amount including GRT(5%)*		9,459,432		

* This cost is a combination of actual cost and projected cost, so it can be adjustable according to actual cost.

1) Summary of Construction Cost Impact due to HRSG O-section Delivery Delay

Project Ukudu Power Plant (Onshore)

Package Mechanical Work

Cost

S/N	Category	Description	Price	Remarks
1	Cost			
1.1	Impact cost due to HRSG O-section delivery delay			
1.1.1	Direct Cost	Cost for Material, Labour, Equipment	2,110,612	
1.1.2	Indirect Cost	Cost for Indirect Labour, Tool & Consumable, Construction Power & Water, Site Temporary Facility (including Camp, Temporary Warehouse and etc.), Insurance, Taxation, EHS Control, Any Others Field Expenses, etc.	432,887	20.51% of Direct Cost, The fixed rate is applied same as Mechanical Work Subcontract.
1.1.3	Overhead & Profit	Cost for Overhead & Profit	178,136	8.44%
Total			2,721,635	

For Reference

	Manpower	Incl. Direct Cost, Indirect Cost, Overhead & Profit	1,763,794	
	Equipment	Incl. Direct Cost, Indirect Cost, Overhead & Profit	957,841	
	Total		2,721,635	

2) Summary Recovery Cost for Delayed Construction, Commissioning

No.	HRSG		Remakr
	Description	Price	
1	Recovery Cost for Delayed Construction	2,003,416	- Overtime 2 hours / day during 2N
2	Recovery Cost for Delayed Commissioning	906,390	- Korean increasing : 21MM - Gloable Staff Increasing : 115MM
Total		2,909,806	

Attachment #4

Total Summary of Fuel line Cost Impact

1. Cost

No.	Description	Sub-Vendor	Cost (USD)	Remark
1	Standby Cost due to Navy Fuel Transfer Operation and Projectile Observation			
1)	Standby cost due to Navy fuel transfer operation	Gaum Advance	67,508	could not be worked
2)	Standby cost due to Projectile observation	Gaum Advance	21,220	could not be worked
3)	Standby cost due to shortage of archaeologist deployment	Gaum Advance	32,454	
4)	Indirect Cost (15%)	DOOSAN	18,177	
	Sub-total		139,359	
2	Additionally Deployed Resource Cost for Recovery of the Actual Achieved Progress			
1)	Resource cost for Recovery of the Actual Achieved Progress	Gaum Advance	4,784,042	
2)	Indirect Cost (15%)	DOOSAN	717,606	
	Sub-total		5,501,648	
	Total Amount		5,641,008	
	Total Amount including GRT(5%)*		5,923,058	

* This cost is a combination of actual cost and projected cost, so it can be adjustable according to actual cost.

2. Time

No.	Description	Days	Remark
1	Standby duration due to Navy fuel transfer operation		
1)	Duration of impacted time which cause the delay of fuel pipeline construction progress	51	
	Sub-total		51
2	Standby duration due to Projectile observation		
1)	Duration of impacted time which cause the delay of fuel pipeline construction progress	17	Actual duration of impacted days are 27 days. The 10 days of 27 days are same date with "S/N 1 Standby duration due to Navy fuel transfer operation". So, duplicated days are excluded.
	Sub-total		17
3	Standby duration due to shortage of archaeologist deployment		
1)	Duration of impacted time which cause the delay of fuel pipeline construction progress	21	"Standby duration due to Navy fuel transfer operation" is excluded. Only "Standby duration due to shortage of archaeologist deployment" is counted.
	Sub-total		21
	Total Impacted Days		89

Summary of Cost, Time Impact status in Fuel Pipeline Area

Project Ukudu Power Plant (Onshore)

Package Fuel Pipe line EPC Work

1. Cost

S/N	Category	Description	Price						Total	Remarks
			Civil			Mech.				
			2022	2023	Sub-total	2022	2023	Sub-total		
1	Cost									
1.1	Standby cost due to Navy fuel transfer operation, Projectile observation and shortage of archaeologist deployment									
1.1a	Standby cost due to Navy fuel transfer operation									
1.1a.1	Direct Cost	Cost for Material, Labour, Equipment	36,784	15,568	52,352				52,352	
1.1a.2	Indirect Cost	Cost for Indirect Labour, Tool & Consumable, Construction Power & Water, Site Temporary Facility (including Camp, Temporary Warehouse and etc.), Insurance, Taxation, EHS Control, Any Others Field Expenses, etc.	7,544	3,193	10,737				10,737	20.51% of Direct Cost. The fixed rate is applied same as Mechanical Work Subcontract.
1.1a.3	Overhead & Profit	Cost for Overhead & Profit	3,105	1,314	4,419				4,419	8.44%
	Sum		47,433	20,075	67,508	-	-	-	67,508	
1.1a.4	GRT	Gross Receipts Tax	2,372	1,004	3,375	-	-	-	3,375	5.00% of S/N 1.1a Sum
	Sub-Total - (A)		49,805	21,079	70,883	-	-	-	70,883	
1.1b	Standby cost due to Projectile observation									
1.1b.1	Direct Cost	Cost for Material, Labour, Equipment	16,456		16,456				16,456	
1.1b.2	Indirect Cost	Cost for Indirect Labour, Tool & Consumable, Construction Power & Water, Site Temporary Facility (including Camp, Temporary Warehouse and etc.), Insurance, Taxation, EHS Control, Any Others Field Expenses, etc.	3,375		3,375				3,375	20.51% of Direct Cost. The fixed rate is applied same as Mechanical Work Subcontract.
1.1b.3	Overhead & Profit	Cost for Overhead & Profit	1,389		1,389				1,389	8.44%
	Sum		21,220	-	21,220	-	-	-	21,220	
1.1b.4	GRT	Gross Receipts Tax	1,061	-	1,061	-	-	-	1,061	5.00% of S/N 1.1b Sum
	Sub-Total - (B)		22,281	-	22,281	-	-	-	22,281	
1.1c	Standby cost due to shortage of archaeologist deployment									
1.1c.1	Direct Cost	Cost for Material, Labour, Equipment	12,584	12,584	25,168				25,168	
1.1c.2	Indirect Cost	Cost for Indirect Labour, Tool & Consumable, Construction Power & Water, Site Temporary Facility (including Camp, Temporary Warehouse and etc.), Insurance, Taxation, EHS Control, Any Others Field Expenses, etc.	2,581	2,581	5,162				5,162	20.51% of Direct Cost. The fixed rate is applied same as Mechanical Work Subcontract.
1.1c.3	Overhead & Profit	Cost for Overhead & Profit	1,062	1,062	2,124				2,124	8.44%
	Sum		16,227	16,227	32,454	-	-	-	32,454	
1.1c.4	GRT	Gross Receipts Tax	811	811	1,623	-	-	-	1,623	5.00% of S/N 1.1c Sum
	Sub-Total - (C)		17,038	17,038	34,077	-	-	-	34,077	
	Total - (D=A+B+C)		89,124	38,117	127,241	-	-	-	127,241	

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

S/N	Category	Description	Price						Total	Remarks
			Civil			Mech.				
			2022	2023	Sub-total	2022	2023	Sub-total		
1.2	Additionally deployed resource cost for recovery of the actual achieved progress									
1.2.1	Direct Cost	Cost for Material, Labour, Equipment	138,424	1,128,688	1,267,112	618,469	1,824,417	2,442,886	3,709,998	
1.2.2	Indirect Cost	Cost for Indirect Labour, Tool & Consumable, Construction Power & Water, Site Temporary Facility (including Camp, Temporary Warehouse and etc.), Insurance, Taxation, EHS Control, Any Others Field Expenses, etc.	28,391	231,494	259,885	126,848	374,188	501,036	760,921	20.51% of Direct Cost, The fixed rate is applied same as Mechanical Work Subcontract.
1.2.3	Overhead & Profit	Cost for Overhead & Profit	11,683	95,261	106,944	52,199	153,981	206,180	313,124	8.44%
Sum			178,498	1,455,443	1,633,941	797,515	2,352,586	3,150,101	4,784,042	
1.2.4	GRT	Gross Receipts Tax	8,925	72,772	81,697	39,876	117,629	157,505	239,202	5.00% of S/N 1.2 Sum
Total - (E)			187,423	1,528,215	1,715,638	837,391	2,470,215	3,307,606	5,023,244	
Grand Total - (F=D+E)			276,547	1,566,332	1,842,879	837,391	2,470,215	3,307,606	5,150,485	

2. Time

S/N	Category	Description	Day						Total	Remarks
			2022	2023						
2	Time									
2.1a	Standby duration due to Navy fuel transfer operation									
2.1a.1	Day	Duration of impacted time which cause the delay of fuel pipeline construction progress	37 Day	14 Day					51 Days	
2.1b	Standby duration due to Projectile observation									
2.1b.1	Day	Duration of impacted time which cause the delay of fuel pipeline construction progress	17 Day	Day					17 Days	Actual duration of impacted days are 27 days. The 10 days of 27 days are same date with "S/N 2.1a Standby duration due to Navy fuel transfer operation". So, duplicated days are excluded.
2.1c	Standby duration due to shortage of archaeologist deployment									
2.1c.1	Day	Duration of impacted time which cause the delay of fuel pipeline construction progress	11 Day	10 Day					21 Days	"Standby duration due to Navy fuel transfer operation" is excluded. Only "Standby duration due to shortage of archaeologist deployment" is counted.
Total			65 Day	24 Day					89 Day	



GUAM POWER AUTHORITY

ATURIDÀT ILEKTRESEDÀT GUÅHAN
P.O.BOX 2977 • HAGÁTÑA, GUAM U.S.A. 96932-2977

July 31, 2023

Guhwa Kang
Chief Executive Officer
Guam Ukudu Power LL
105 Inda Street, STE 107
PMB 1053
Dededo, Guam 96929

SUBJECT: GPA Response to GUP Request for Compensation and Scheduling
Accommodation

Dear Mr. Kang,

We have received and carefully reviewed your Request for Compensation and Scheduling Accommodation dated April 7, 2023. Please find the attached spreadsheet summarizing the results of our review. A detailed discussion of the items presented in the GUP claim is presented below.

1 Compensation for Reserve Facility Preparatory Work

a) The claim does not address the reduction in the amount of \$57 million, which is due from GUP to GPA because of the elimination of the Reserve Facility. This amount shall be clearly stated in Item 1 of the Summary section of the GUP claim, when discussing the FCC adjustment.

b) Legal Fees

The amount of \$960,000 claimed as reimbursement for the legal fees is calculated as 10% of the total legal fees. The reasoning is that the cost of the Reserve Facility is approximately 10% of the total project cost. Based on the GUP clarification, GPA understands that the legal fees invoices did not provide separate amounts for the costs associated with the Reserve Facility work. GPA considers that in absence of the detailed Reserve Facility legal invoices, the approach used by GUP is reasonable and accepts the amount of \$960,000, claimed by GUP for this item.

c) Environmental Advisor Fees Relating to the Reserve Facility (Black & Veatch).

GUP submitted B&V invoices specifying amounts allocated to the Reserve Facility. GPA accepts the claimed amount of \$440,000.

d) Land Surveys and Tile Insurance Fees Related to the Reserve Facility.

i) The claimed survey costs in the amount of \$46,700 are based on the TG invoices provided by GUP. GUP accepts the claimed amount for this item.

GPA Response to GUP Request for Compensation and Scheduling Accommodation

July 31, 2023

Page 2 of 7

- ii) GUP initially claimed compensation for the title insurance related to the Reserve Facility land in the amount of \$1,120,000. Based on the GPA request, GUP clarified that the initial amount was in error and that the correct amount claimed for this item should be \$384,018. GUP accepts the claim for this item in the amount of \$384,018.

2 Compensation for Cost of Compliance with Unanticipated Permitting Conditions

The GUP claim includes a request for compensation based on GUP's assessment that some of the conditions imposed by Guam EPA, and GWA represent the "change in the manner in which a Law of Guam is applied or interpreted", thus claiming that these conditions fall under the definition of Change in Law under the ECA. The items claimed include:

- a) Continuous Emission Monitoring System (CEMS) required by GEPA. GUP requests \$1,090,000 as compensation for CEMS.

According to the KEPCO proposal (Volume 2, Form 8, Technical Data, Page. 38), GUP committed to provide the CEMS for both HSRG and bypass stacks (see quote below):

Continuous Emission Monitoring System (CEMS) will be provided for use in the HSRG stacks and bypass stacks for the measurement of SO₂, NO_x, O₂, CO, VOC, Particle, flue gas flow/ temperate as per the USA EPA. The sampling type of analyzers will be complete with sample extraction/conditioning system and all necessary accessories. All sampling type analyzers will be housed in permanent, environmentally conditioned enclosure.

Based on that, CEMS were included in the Project initial scope and price and do not represent additional items. Therefore, GPA rejects the amount claimed for this item.

- b) Dedicated fire-fighting water storage tank requested by GWA. GUP claims that they had to construct a dedicated fire water storage tank for a cost of \$1,720,000 because GWA advised that the treated water discharged from the GWA's water treatment plant cannot be used for firefighting due to risks to the people who can come into contact with this water, but in March 2023 changed their position.

GUP base their claim on the following exchange between GUP (E-mail dated March 8, 2023) and GWA (E-mail dated March 10, 2023), both copied below:

GUP E-mail:

Dear Mauryn,

My apologies for the continuous email but I would like to follow up with you for my questions below.

We are little unclear on what you are waiting from GEPA since your response "The Northern District WWTP NPDES permit does not allow for these public access reuse water activities. Therefore, the use of treated effluent for firefighting is not allowed due to federal regulations" was made back in Nov 2020 and we just need to check

*GPA Response to GUP Request for Compensation and Scheduling Accommodation
July 31, 2023
Page 3 of 7*

the source or supporting document of this statement as we could not find it in the NPDS permit. Please advise.

1. We've tried to find the reference in the NDWWTP NPDES permit, but could not find any clause that does not allow for these public access reuse water activities. Could you please provide the reference which directly says this?

2. Reuse water from NDWWTP will be stored in our power plant storage tank after pre-treatment. But can this not be used for firefighting water in any case even if received reuse water goes through the pre-treatment process in the power plant (the type of pre-treatment could be provided later if needed)?

GWA Reply E-mail:

Hello Sunggoo,

You are correct, the NPDES permit is silent on public access reuse applications. The information I have, to date, is that public access reuse is under Guam EPA's purview and does not need to be included in the USEPA NPDES permit. Guam EPA is researching local public access reuse regulations.

Research is required to determine if current NDWWTP treatment (with or without additional treatment at the power plant) meets public access reuse requirements and if it does not, to identify what is needed to meet those requirements. Construction and additional sampling may be required. Also, public outreach for first responders and others who will come into contact with the public access reuse water would be needed. If you would like to pursue the use of treated effluent for fire-fighting activities, please advise if you are willing to undertake the study, outreach, and potential construction to meet public access reuse requirements. Further discussions should include Guam EPA. from and a including this amount in their claim for compensation.

GPA underlined the statements in the GWA response related to the activities that would have to be undertaken by GUP in order to use treated water for firefighting. The activities include conducting a study, permitting, and construction. It is impossible to determine the scope and the cost of these activities, but using the treated water would not be possible at no cost. Also, in addition to some unspecified construction activities, GUP would likely have to provide additional treatment for the reuse water supplied by GWA to be able to use it for firefighting. This would involve constructing an additional treatment system and an increase in operating expenses due to additional consumption of chemicals. Furthermore, the volume of the reused water storage tanks located at the site would have to be increased by approximately 600 thousand gallons to provide fire water storage, resulting in the water storage cost increase.

Based on the above, GPA believes that the dedicated fire tank claim amount should be reduced by the amounts of additional expenditures associate with:

GPA Response to GUP Request for Compensation and Scheduling Accommodation

July 31, 2023

Page 4 of 7

- Larger reused water tank volume that would have to be constructed at the Ukudu site.
- Cost of additional studies.
- Capital cost of reused water treatment system.
- Reused water treatment operating expenses.

In the absence of any cost estimates for the items listed under the above bullets, GPA is willing to accept 50% of the amount claimed under this items, which translates to \$860,000.

- c) Implementation of Impervious Pavement inside the power plant requested by GEPA.

GPA accepts the amount of \$1,050,000 claimed by GUP for this item.

3 Compensation for Cost and Scheduling Impact from the Delayed Transportation Permit.

GPA conducted a detailed analysis of the potential Change in Law claim due to the delay with issuance of the Transportation Permit. According to this analysis:

- In November of 2019, KEPCO (the Project Sponsor) was advised about the DPW requirements, which remained consistent throughout the permitting process.
- Doosan first approached DPW about the transportation permit in the beginning of May 2022.
- As of January 19, 2023, there were still outstanding issues other than insurance that needed to be addressed by GUP/Doosan in order to obtain the transportation permit.

GPA considers that the fact that GUP undertook no activities related to obtaining the transportation permit between November 2019 and May 2022 can be considered as "Project Company's failure to diligently prepare the application for the applicable Government Authorization and to diligently seek the issuance thereof" under the ECA definition of Change in Law.

Even if the insurance requirement is determined to fall under the definition of Change in Law, its application should be limited to the period after all other transportation permit requirements, which do not constitute the Change in Law under the ECA, were properly addressed by GUP. GPA determined that insurance became the single outstanding issue preventing issuance of the transportation permit only after January 19, 2023. The transportation permit was issued on February 4, 2023. Therefore, GPA is willing to accept the standby cost compensation for this item based on a 16 day period between January 19 and February 4, 2023. GPA believes that only this period falls under the Change in Law definition subsection C "the imposition by a Government Authority (other than for Cause) of any material condition or delay in connection with the issuance, renewal, or modification of any Governmental Authorization", considering that DPW insurance requirements fall under this definition.

GPA Response to GUP Request for Compensation and Scheduling Accommodation

July 31, 2023

Page 5 of 7

The GUP claim for the cost and schedule impact from the delayed transportation permit is analyzed based on the above approach.

a) Standby Cost

The standby cost claim is for the amount of \$3,290,000 and includes a claim from the Doosan subcontractor (Guam Advance) for standby manpower and equipment in the amount of \$2,721,635 and Doosan’s indirect costs in the amount of \$408,245 (15% of the subcontractor’s cost).

The period covered by the standby cost claim is not clear from the supporting data submitted by GUP, but based on the text in Section 4 of the GUP claim, GPA assumes that the duration of the delay covered by the standby claim is 5 months. Considering the GPA position that the delay caused by the Change in Law is equal to 16 days, the claim amount accepted by GPA for this item is \$344,052 ($\$3,290,000 \times (16/153)$).

b) Recovery Cost to Catch up Schedule

GUP claims \$3,510,000 to cover the cost associated with accelerating work to recover schedule delays. GPA believes that due to impacts of typhoon Mawar, the need to expedite construction as detailed in this item of the GUP claim is no longer necessary. Therefore, GPA does not accept this item of the claim.

c) Additional miscellaneous costs (including insurance costs).

GUP claims compensation for the costs associated with providing temporary bridges and additional insurance costs.

i) Temporary bridges.

GPA accepts the amounts claimed for temporary bridge, including:

- Temporary bridge Mob./Demob. and Storage	\$699,300
- Temporary Bridge Installation Plan for 7 bridges	\$255,145
- Temporary Bridge Installation Plan for 2 bridges	\$96,600
- Temporary Bridge Installation Plan for Culvert #19	\$36,010
- Temporary Bridge Engineering Services (Sept - Nov 2022)	\$76,436
- Temporary Bridge Engineering Services (Dec 2022 – Jan 2023)	\$56,357
Total:	\$1,219, 848

ii) GPA does not accept the amounts claimed for special inspections and reports of the existing bridges (the total of \$67,913) as these items were necessary components of the transportation permit application.

iii) GPA accepts the PUI additional insurance claim in the amount of \$175,000 and Doosan Additional Insurance in the amount of \$704,375.

GPA Response to GUP Request for Compensation and Scheduling Accommodation

July 31, 2023

Page 6 of 7

- iv) GPA accepts indirect cost on the above items (excluding the Doosan additional insurance cost) at 15%, which is the indirect cost rate used for other items. The resulting amount accepted by GPA is \$209,227.

The total amount of claim for additional miscellaneous costs including insurance costs accepted by GPA is \$2,308,450. Including GRT at 5%, the accepted amount is \$2,423,873.

4 Compensation for Cost and Scheduling Impact from the Pipeline Construction Delay

a) Stand-by cost.

GUP claims that the pipeline construction was delayed by several reasons:

- Work halt during jet fuel piping by the Navy
- Absence of archaeologist to supervise the pipeline work.
- Discovery of UXO that caused work stoppage.

GUP claims that the total schedule impact due to the above reasons adds to a total of 89 days of delay resulting in standby costs of \$150,000. GPA considers that GUP did not make sufficient efforts to mitigate the impact of the above factors and considers, that with proper mitigation, schedule impact of these items would only be 30 days. Based on the above, GPA accepts the amount of \$50,562 calculated as $\$150,000 / 89 \times 30$ which is subject to verification of the \$150,000 amount.

The supporting documents show the total amount of the stand-by costs as \$127,241, not \$150,000 claimed in the body of the claim. GUP needs to explain the discrepancy otherwise the accepted amount will be based on the verified standby costs of \$127,241.

b) Recovery cost to catch-up schedule.

GUP claims \$5,780,000 to cover the cost associated with accelerating work to recover the pipeline schedule delays. GPA believes that due to impacts of Typhoon Mawar, the need to expedite construction as detailed in this item of the GUP claim is no longer necessary. Therefore, GPA does not accept this item of the claim.

5 First Fill Cost Accommodation

GUP asks GPA to consider modifying the ECA first fill requirement in two ways:

- a) To allow using any fuel saved during commissioning compared to the ECA limit of commissioning fuel quantity of 1,245,000 MMBtu to be supplied by GPA towards first fill up to the required first fill quantity.
- b) Allow GUP initially to do only partial fill up to GUP's budgeted amount of \$17.5 million and complete the First Fill after the Commercial Operation Date using any fuel savings accruing to GPA after the Commercial Operation Date.

GPA will be willing to discuss the ECA modification with GUP regarding first fill. The ECA modifications will have to include a provision for GUP covering the cost of First Fill in case

GPA Response to GUP Request for Compensation and Scheduling Accommodation
July 31, 2023
Page 7 of 7

there are no USLD savings during commissioning or Commercial Operation period for the options proposed.

6 Summary

- a) GPA accepts claims for the total amount of \$6,559,205. This amount is subject to approval by the Consolidated Commission on Utilities (CCU) and the Public Utilities commission (PUC).
- b) GPA does not accept claims for the items associated with schedule recovery due to delays with transportation permit and pipeline construction since, after typhoon Mawar schedule recovery for these items is no longer needed.
- c) Compensation for the final claim amount accepted by GPA will be considered when calculating the FCC adjustment due to the Project capital cost reduction of \$57 million associated with removal of the Reserve Facility.
- d) The 2-months extension claimed by GUP does not apply anymore as the Project schedule is expected to be extended due to impact of typhoon Mawar.
- e) GPA will be willing to discuss the proposed modifications to the ECA First Fill provisions.

In addition, to address the impact of Typhoon Mawar, GPA and GUP shall agree on a new commercial operation date by the end of September 2023. GPA is amenable to discuss options that will aid in shortening the project extension to commission the plant at an earlier date.

Sincerely,



John M. Benavente, P.E.
General Manager

GPA Work Session - March 21, 2024 - ISSUES FOR DECISION

GUP Claim Review Summary				
Item	Claimed Cost	Reported basis for claim	Accepted by GPA	Comments
Cost of Reserve Facility Preparatory Work				
Legal Fees Relating to the Reserve Facility		Side letter.		GUP claims 10% of all legal costs based on the fact that the Reserve Facility cost is approximately 10% of the total legal fees incurred on the project. The amount of legal work required for the Reserve Facility may not be proportionate to its' share of the total cost. Stanley requested additional information and GUP provided a response on June 14 on an Email from Mr. Son. They provided additional thoughts on the 10% and documented why legal invoices specific to the reserve facility are not available. The requested amount seems reasonable. However, it should be noted that detailed invoices documenting the specific amount are not available.
Environmental Advisory Fees Relating to the Reserve Facility (B&V)	960,000		960,000	
Land Surveyor and Title Insurance Fees Related to the Reserve Facility:	440,000		440,000	Cost seem appropriate as they provided B&V timesheets that are specific to reserve facility only
Surveyor	46,700		46,700	The cost is acceptable as they provided invoices for the work.
Title	1,120,000		384,018	This cost needs clarification as they did not provide an attachment in the original request. Stanley requested a review of these costs. GUP reviewed with their subcontractor and notified us on June 21 via email that actual costs were \$384,018.
Sub-total	2,566,700		1,830,718	
Compensation for Cost of Compliance with Unanticipated Permitting Conditions				
Continuous Emission Monitoring System ("CEMS") by GEPA	1,090,000	ECA 16.9 Change in Law		GUP proposal for the project included CEMs on bypass stack and main stack. Therefore it is not considered an additional cost to the ECA.
Dedicated fire-fighting water storage tank by GWA	1,720,000		860,000	GWA initially advised that re-use water could not be used for firefighting. In March 2023 GWA said that using reuse water could have been possible but would have required additional permitting, construction and treatment. This option would require modifying treated water storage tanks for fire water service. May accept part of the cost considering deductions for additional costs that would have been required for using reuse water. Without any estimate of additional costs GPA is willing to accept 50% of the claimed amount. GPA is open to discussing this further if GUP provides estimate of additional costs.
Implementation of Impervious Pavement inside the power plant by GEPA	1,050,000		1,050,000	GEPA required full concrete of plant site in permit. This is not a typical requirement and could not be anticipated by GUP or their contractors.
Sub-total	3,860,000		1,910,000	
GUP's added costs resulting from the delayed issuance of the heavy equipment transport permit are as follows:				
Stand-by costs	3,290,000	ECA Change in Law definition, Force Majeure 16.1.e, 16.8; 16.9	344,052	GUP did not start permit work until too late and did not complete all permit items other than insurance before January 19, 2023. They obtained permit on February 4, 2023. Insurance was the only issue remaining after January 19, 2023. Agree to grant 16 days out of 5 months (153 days) claimed.
Costs of accelerated work to catch-up the schedule	3,510,000		0	Due to impacts of Mawar the need to expedite construction as detailed in this request are no longer necessary.
Additional miscellaneous cost (including insurance costs) to obtain transportation permit				
Temporary bridge Mob./Demob. and Storage	699,300		699,300	Accept
Temporary Bridge Installation Plan for 7 bridges	255,145		255,145	Accept
Temporary Bridge Installation Plan for 2 bridges	96,600		96,600	Accept
Temporary Bridge Installation Plan for Culvert #19	36,010		36,010	Accept
Temporary Bridge Engineering Services (Sept - Nov, 2022)	76,436		76,436	Accept
Temporary Bridge Engineering Services (Dec 2022 - Jan 2023)	56,357		56,357	Accept
NDE Test for 2 culverts and 1 bridge (Matgwe, Asan Marina Drive 2 Culvert & Fonte Bridge)	46,931		0	Reject. This would need to be performed under any circumstances.
Special Inspection Report for 9 bridges and culverts	21,000		0	Reject. This would need to be performed under any circumstances.
PUJ Additional Insurance Premium and Doosan Additional Insurance Premium	175,000		175,000	Accept
Indirect Cost (25%)	365,695		209,227	Indirect costs should be 15% of accepted items not 25%.
Subtotal:	1,828,474		1,604,075	
Doosan Additional Insurance	704,375		704,375	Accept
Subtotal with 5% tax	2,659,491		2,423,873	
Sub-total	9,459,491		2,767,925	
Compensation for Cost and Scheduling Impact from the Pipeline Construction Delay				
Stand-by cost:	150,000	Change in Law - excavation permit, archeologist - UXO	50,562	GUP Claims 89 days of delay due to shut downs during Navy pumping operation and due to shortages of archeologists. GUP did not mitigate impacts of known conditions (Navy pumping, lack of archeologists on island) adequately. Only 30 days should be accepted.
Recovery cost to catch-up the schedule	5,780,000		0	Reduce the standby day amount requested proportionally to the number of days granted - 30.
Total	5,930,000		50,562	Due to impacts of Mawar the need to expedite pipeline construction as detailed in this request are no longer necessary.
Grand total	21,816,191		6,559,205	
First Fill Cost Accommodation				Projected fuel cost unknown until occurred. The amount of fuel saved during the startup, commissioning, and commercial operation can be applied towards first fill up to the full volume of the tank. This could be a reasonable compromise as GPA already accepted paying for the commissioning fuel up to the limit and to fuel charge based on guaranteed heat rates. Under the current provision GPA would benefit from any savings, but there would be no benefit if the Facility consumes all the commissioning fuel and operates at guaranteed heat rate.



Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

GPA Resolution No. FY2024-19 / GWA Resolution No. 16- FY2024

Relative to the Creation of the Information Security Supervisor, Infrastructure Support Supervisor and Application Support Supervisor positions for the Guam Power Authority (GPA) and the Guam Waterworks Authority (GWA).

What is the project's objective and is it necessary and urgent?

The Guam Power Authority (GPA) and Guam Waterworks Authority (GWA) Information Technology (IT) Divisions continue to modernize operations due the evolution of the cyber security landscape over the past few years. The pandemic has accelerated digitization, necessitating the creation of new processes to achieve the Authorities goals. These changes have heightened cyber security risks, including infrastructure and application vulnerabilities. The Geopolitical agendas also raise concerns about electronic warfare and cyber-attacks on Guam especially affecting the Authorities with targeted attacks increasing. Additionally, the demand for certified technical professionals has led to skill shortages, contributing to these challenges.

The Authorities are proposing to create the following positions:

- Information Security Supervisor
- Infrastructure Support Supervisor
- Application Support Supervisor

The creation of the aforementioned positions offers supervisory oversight to provide strategic direction and enhance workflow efficiency within GPA and GWA's IT departments.

Where is the location?

The Information Security Supervisor, Infrastructure Support Supervisor and Application Support Supervisor positions will be organizationally based with the IT Divisions of GPA and GWA.

How much will it cost?

The proposed pay ranges and demonstration of compliance with §6301 of this Title: GWA & GPA's compensation plan was authorized by P.L. 28-159 and approved by the CCU in October 2007. The proposed compensation is in accordance with the Strategic Pay Plan Methodology. There is no cost in creating the series of positions, however, the proposed salary range to fill the positions are as follows:

- **Information Security Supervisor**
 - **Minimum:** \$94,606 per annum / \$45.48 per hour
 - **Maximum:** \$98,447 per annum / \$47.33 per hour

- **Infrastructure Support Supervisor**
 - **Minimum:** \$91,823 per annum / \$44.15 per hour
 - **Maximum:** \$95,552 per annum / \$45.94 per hour



Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

- **Application Support Supervisor**
 - **Minimum:** \$91,823 per annum / \$44.15 per hour
 - **Maximum:** \$95,552 per annum / \$45.94 per hour

When will it be completed?

Public Law 28-159, Section 7.0.3 (c) requires GPA and GWA to post a petition on their respective websites for ten (10) days (*Saturdays, Sundays, and government of Guam holidays excepted*). GPA and GWA have met the posting requirements and the position creation can be acted upon by CCU at the March 26, 2024, Board meeting. Once adopted by the CCU, the creation of the Information Security Supervisor, Infrastructure Support Supervisor and Application Support Supervisor positions will not be filled, until the thirty (30) days have elapsed from the date of filing the petition and resolution with the Legislative Secretary.

What is the funding source?

GPA and GWA are responsible for the funding available for these positions and are in compliance with all applicable laws, rules, and regulations regarding the creation, filling and retention of positions in certified, technical, and professional positions. The funding of this position has no financial impact on the Government of Guam General Fund.

The RFP/BID responses (if applicable):

N/A



CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

GPA RESOLUTION NO. FY2024-19
GWA RESOLUTION NO. 16-FY2024

RELATIVE TO THE CREATION AND APPROVAL OF
POSITION CLASSIFICATION SPECIFICATION FOR
INFORMATION SECURITY SUPERVISOR
INFRASTRUCTURE SUPPORT SUPERVISOR
APPLICATION SUPPORT SUPERVISOR POSITIONS

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, personnel, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

WHEREAS, under 12 G.C.A. § 8104, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, personnel, and policy matters relative to the Guam Power Authority (“GPA”); and

WHEREAS, the GWA and GPA are Guam Public Corporations established and existing under the laws of Guam; and

WHEREAS, the Information Security Supervisor, Infrastructure Support Supervisor and Application Support Supervisor positions do not currently exist within GPA or GWA CTP listings. The aforementioned positions offers supervisory oversight to provide strategic direction and enhance workflow efficiency within GPA and GWA’s IT department.

WHEREAS, GWA and GPA continue to modernize operations due the evolution of the cyber security landscape over the past few years. The pandemic has accelerated digitization, necessitating the creation of new processes to achieve the Authorities goals. These changes have heightened cyber security risks, including infrastructure and application vulnerabilities. The

1 Geopolitical agendas also raise concerns about electronic warfare and cyber-attacks on Guam
2 especially affecting the Authorities with targeted attacks increasing. Additionally, the demand
3 for certified technical professionals has led to skill shortages, exacerbating these challenges.

4
5 **WHEREAS**, the Information Security Supervisor, Infrastructure Support Supervisor and
6 Application Support Supervisor positions will play a vital role to improve cybersecurity
7 measures and ensure continuity of business processes for both Utilities.

8
9 **WHEREAS**, the GWA and GPA General Managers request the CCU to approve the
10 creation of the Information Security Supervisor, Infrastructure Support Supervisor and
11 Application Support Supervisor positions in the classified status; and

12
13 **WHEREAS**, the GWA and GPA General Managers request the CCU to approve the job
14 specification standard for the Information Security Supervisor, Infrastructure Support Supervisor
15 and Application Support Supervisor positions; and

16
17 **WHEREAS**, Public Law 34-131, Section 2, §6303 (d) and (2C) authorizes the creation
18 of positions in Autonomous Agencies and Public Corporations; and

19
20 **WHEREAS**, GWA and GPA Personnel Rules and Regulations as amended by Public
21 Law 28-159 Section 3 (C) authorizes the CCU to amend, modify or add a position to the list of
22 certified, technical, and professional positions; and

23
24 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities,
25 as the Governing Body of the Guam Waterworks Authority and the Guam Power Authority, does
26 hereby approve and authorize the following:

- 27 1. To approve the creation of the following positions in the classified service and
28 add these positions in the Certified, Technical, and Professional (CTP) list of
29 positions:
- 30 • Information Security Supervisor
 - 31 • Infrastructure Support Supervisor

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

- Application Support Supervisor

//

2. The adoption of the proposed minimum and maximum range of compensation, in accordance with the Strategic Pay Methodology as follows:

Benchmark Position	JE POINTS	2017 Implementation Ranges @ 25th Market Percentile (2022 Market data) - 5 Substep Spread							
		Structural Adjustment - MIN				Structural Adjustment - MAX			
		Base Salary	Grade	Step	Sub Step	Base Salary	Grade	Step	Sub Step
Information Security Supervisor (2022)	1002	94,606	N	7	B	98,447	N	8	B
Infrastructure Support Supervisor (2022)	995	91823	N	6	C	95552	N	7	C
Applications Support Supervisor (2022)	995	91823	N	6	C	95552	N	7	C

3. Upon successful recruitment of the approved position, both GWA and GPA shall equally compensate the individual hired.

RESOLVED, that the Chairman certified, and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 26th day of March 2024.

Certified by:

Attested by:

JOSEPH T. DUENAS
Chairperson

PEDRO ROY MARTINEZ
Secretary

//

//

//

//

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
30 ///
31

SECRETARY’S CERTIFICATE

I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on Utilities 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 Consolidated Commission on Utilities, 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: _____

1 ///

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC



MEDIA NOTICE


The Guam Waterworks Authority & Guam Power Authority hereby petitions the Consolidated Commission on Utilities (CCU) the following:


CREATION OF POSITIONS:

- Information Security Supervisor
- Infrastructure Support Supervisor
- Application Support Supervisor

This petition is in compliance with 4 GCA, Chapter 6, §6303 (d) (added by Public Law 28-112). The petition is also required by 4 GCA, §6205 and §6303 as public documents for the purposes of 5 GCA, Chapter 10, Art. 1 (Sunshine Law).

For more information, please visit the Guam Power Authority's website at https://www.guampowerauthority.com/gpa_authority/careers/gpa_petitions.php or Guam Waterworks Authority website at <http://www.guamwaterworks.org/careers/petition>. you may contact the GPA's and GWA's Human Resources Division at 671-647-3130 or 671-300-3076.


Miguel C. Bordallo, P.E.
General Manager
Guam Waterworks Authority


John M. Benavente, P.E.
General Manager
Guam Power Authority

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

**STAFF REPORT
CREATION OF POSITIONS -
INFORMATION SECURITY SUPERVISOR;
INFRASTRUCTURE SUPPORT SUPERVISOR;
APPLICATION SUPPORT SUPERVISOR**

I. REQUEST:

The and the Guam Power Authority (GPA) and Guam Waterworks Authority (GWA) respectively petition the Consolidated Commission on Utilities (CCU) to create the following position in the unclassified status in accordance with Public Law 28-112;

- Information Security Supervisor
- Infrastructure Support Supervisor
- Application Support Supervisor

II. AUTHORITY:

Public Law 28-159, Section 3(c) Amendment of Certified, Technical and Professional Positions. The following information is provided pursuant to 4 GCA, §6303 (d) Creation of positions in the Autonomous Agencies and Public Corporations:

(1) *The petition of any agency, department, or public corporation listed in 4 GCA, §4105(d) of this Title to create a position shall include:*

A. *The justification for the new position:*

The evolution of the cyber security landscape in the past few years has impacted the operations of GPA and GWA. The pandemic has accelerated digitalization, necessitating new processes to achieve their goals. These changes have heightened cyber security risks, including infrastructure and application vulnerabilities. Geopolitical agendas also raise concerns about electronic warfare and cyber-attacks on Guam, with targeted attacks increasing. Additionally, the demand for certified technical professionals has led to skill shortages, exacerbating these challenges.

To address these issues, new positions will be created within the IT division to enhance its capabilities, with subject matter experts supervising these sections. This expansion aims to improve cyber security measures and ensure continuity of business processes for both authorities. Collaboration with local and federal agencies helps assess security controls and resilience, revealing areas needing improvement.

The creation of these positions is essential to update the skills and responsibilities required to fulfill the functions of the IT divisions, specifically tailored to a Utility Organization's needs. It ensures the effectiveness of utility-based job specifications and enhances the authorities' ability to address evolving cyber security threats.

B. *The essential details concerning the creation of the position.*

Refer to the classification review in Section III below.

C. *An analysis of similarities and differences between positions to be created and positions listed pursuant to 4 GCA, §4101.1(d);*

STAFF REPORT
CREATION OF POSITIONS
INFORMATION SECURITY SUPERVISOR; INFRASTRUCTURE SUPPORT SUPERVISOR;
APPLICATION SUPPORT SUPERVISOR
Page 2 of 3

While there are existing roles dedicated to implementing, maintaining, and supporting security solutions, database software, network systems, and infrastructure, the establishment of the Information Security Supervisor, Infrastructure Support Supervisor, and Application Support Supervisor positions offers supervisory oversight to provide strategic direction and enhance workflow efficiency within each IT section for GPA & GWA. This administrative oversight is in line with GPA IT Division's restructuring of the reporting structure, aimed at streamlining the Chief Information Technology Officer (CITO) or the Information Technology Manager's span of control, enabling them to manage activities and respond to higher level to technical Information Technology activities response directing and planning activities for GPA & GWA.

- D. The position description: See attached.*
- E. The proposed pay ranges and demonstration of compliance with 4 GCA, §6301 of this Title: GWA's and GPA's compensation plan as authorized by Public Law 28-159 and approved by the CCU in October 2007. The proposed compensation is in accordance with the Strategic Pay Plan Methodology.*
- F. A fiscal note as the term as described in 2 GCA, §9101 et seq.; and any other pertinent information.*

The GWA and GPA are responsible for the funding availability for the above-referenced position and are in compliance with all applicable laws, rules, and regulations regarding the creation, filling, and retention of positions in certified, technical, and professional positions. The funding of this position has no financial impact on the Government of Guam's General Fund.

- (2) The petition shall be posted on the agency, department, or public corporation's website for ten (10) days (Saturdays, Sundays, and government of Guam holidays excepted). After the posting, the head shall forward the petition along with evidence of his compliance with 4 GCA, Chapter 6, §6303.1(a), to the governing board or commission who, if they approve the same shall approve the petition by resolution and file the petition and resolution for records with the Director of Administration and the Legislative Secretary.*
- (3) No new position may be filled until after compliance with the provision of this Section and thirty (30) days have elapsed from the date of filing with the Legislative Secretary.*

III. METHODOLOGY

Information was gathered from various public utilities associated with the American Public Power Association (APPA) and American Water Works Association (AWWA) and other utilities with comparable positions within the United States. The information collected was used to analyze and develop the proposed job standard as they apply to the work performed for the Commission, and for GWA and GPA Executive Management. The staff collaboratively reviewed the duties associated with the proposed creations as indicated in the position

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

STAFF REPORT
CREATION OF POSITIONS
INFORMATION SECURITY SUPERVISOR; INFRASTRUCTURE SUPPORT SUPERVISOR;
APPLICATION SUPPORT SUPERVISOR
 Page 3 of 3

descriptions. In evaluating these positions, the Strategic Pay Job Evaluation Methodology was utilized to determine the job evaluation points based on a total of twelve (12) measurement factors: Education, Experience, Complexity, Scope of Work, Problem Solving, Freedom to Act/Supervision Received, Work Environment, Physical Demands, Impact of Discretionary Decisions, Human Relations Skills/Contact, Authority Exercised, and Supervisor/Managerial Responsibility.

IV. RECOMMENDATION

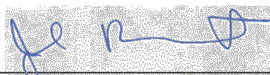
1. To approve the creation of the Information Security Supervisor, Infrastructure Support Supervisor and Application Support Supervisor positions in the classified service and add the position to the Certified, Technical, and Professional (CTP) list of positions.
2. To adopt proposed minimum and maximum range of compensation, for both the GPA & GWA with the Strategic Pay Methodology as follows:

Benchmark Position	JE POINTS	2017 Implementation Ranges @ 25th Market Percentile (2022 Market data) - 5 Substep Spread							
		Structural Adjustment - MIN				Structural Adjustment - MAX			
		Base Salary	Grade	Step	Sub Step	Base Salary	Grade	Step	Sub Step
Information Security Supervisor (2022)	1002	94,606	N	7	B	98,447	N	8	B
Infrastructure Support Supervisor (2022)	995	91823	N	6	C	95552	N	7	C
Applications Support Supervisor (2022)	995	91823	N	6	C	95552	N	7	C

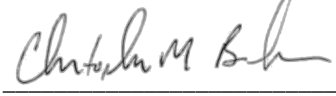

 3/11/2024
JOSHUA D. MANIBUSAN
 GPA Personnel Specialist IV


 3/11/2024
JON-REY P. AGUIGUI
 GPA Personnel Services Administrator


 3/11/2024
BEATRICE P. LIMTIACO
 Assistant General Manager, Administration


 3/11/2024
JOHN M. BENAVENTE, P.E.
 GENERAL MANAGER


 11 march 2024
ZINA PANGELINAN-CHARFAUROS
 GWA Personnel Services Administrator


 03/11/2024
CHRISTOPHER M. BUDASI
 GWA Assistant General Manager, Administration & Support


 2024.3.11
MIGUEL C. BORDAÑO, P.E.
 GWA General Manager

Information Security Supervisor

NATURE OF WORK IN THIS CLASS:

This is complex technical supervisory work supporting IT/OT security solutions for the Guam Power Authority and/or Guam Waterworks Authority.

Employees in this class are responsible for the supervision of the development, implementation, and maintenance of standards and systems that will secure information systems and data for the Authority.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Supervises Utility Information Security Administrators and other utility personnel support to implement security software and monitoring agents on windows, network devices, databases and the Enterprise Security Software.

Manages the monitoring of all system security, including event analysis, trend analysis and ensuring compliance with Information Security policies and procedures. Ensures that security improvement actions are evaluated, validated, and implemented as required. Advise senior management on risk levels and information security posture.

Oversees the planning, maintenance, repair and troubleshooting and/or debug issues of security software systems; Evaluates and recommends development efforts to ensure that baseline security safeguards and appropriately installed.

Identify information technology (IT) security programs implications of new technologies or technology upgrades. Responsible for the testing and certification of new security technologies on the utility's enterprise infrastructure.

Oversee the information security training plans and awareness program. Monitor's cybersecurity trends, regulations and standards for compliance; provides recommendations to senior management to enhance security posture and existing training programs. Administers Phishing and awareness program(s) to test the resiliency of both agencies. Provides guidance on intermediate and required remedial cybersecurity training, in compliance with federal state and local agency requirements.

Monitors and reviews the configuration and testing of security devices, email security appliances both virtual and physical. Monitors, records, extracts and translates log data for both internal and external use.

Responsible for developing and maintaining Cybersecurity frameworks, policies, technical documentation including design documents, test plans, project plans, procedures, incident reports and troubleshooting guides for disaster recovery and business continuity. Ensure that plans of actions and milestones or remediation's plans are in place for vulnerabilities identified during risk assessments, audits, inspections, etc. Responsible for timely collect, examine, analyze, and reporting security findings to management and escalate required federal, state and local government agencies

Perform other related duties as assigned.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

Page 2 of 2

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge and experience in configuring and securing SaaS, PaaS and IaaS architectures.

Knowledge of Microsoft (MS) Active Directory and Group Policy Management (GPM)

Knowledge of monitoring protocols such as Syslog, and Simple Network Management Protocol.

Knowledge of Network Communications protocol, web technologies (TCP, IP, ICMP, Telnet, etc.), file systems, databases, virtualization technologies, and identity management.

Knowledge of security techniques and defense against viruses and other attacks.

Knowledge of network systems management, principles, models, methods (e.g., end-to-end systems performance monitoring), and tools.

Knowledge of file systems, firewalls, databases, visualizations technologies and identity management.

Knowledge of multiple domains for applications networking and infrastructure IT or OT disciplines.

Ability to work both independently and with others.

Ability to supervise various information security programs.

Ability to supervise the work of others.

Ability to communicate well both orally and in writing.

Ability to create technical documentation and diagrams.

MINIMUM EXPERIENCE AND TRAINING:

A) Five (5) years of technical experience in information and network protection; and graduation from a recognized college or university with a Bachelor's degree in Computer Science, Computer Information Systems (CIS), Information Technology or closely related field; or

B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

Established:

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

Infrastructure Support Supervisor

NATURE OF WORK IN THIS CLASS:

This is complex technical supervisory work in leading and supervising the Infrastructure Support team.

Employees in the class are responsible for the supervision of the planning, developing, installing, configuring, maintaining, supporting and optimizing of all servers and network hardware, Security Appliances' software and communication links for the Guam Power Authority and Guam Waterworks Authority.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Supervises and participates in the planning, developing, installing, configuring, maintaining, supporting and optimizing all network hardware, software, and communication links of local and remote computer network.

Directs daily operations of the Infrastructure Team by analyzing work, establishing priorities, developing standards, setting deadlines, and following up on execution.

Designs, installs, updates, configures, maintains, and troubleshoots server infrastructure to include blade servers, storage attached servers, standalone servers, file servers, network monitoring devices and other related equipment.

Designs, installs, updates, configures and maintains network infrastructure to include network switches, routers, firewalls, VPN gateways, intrusion detection systems, network monitoring devices and other related equipment.

Assists with IT cybersecurity program including regular assessments, audits, monitoring and remediation of all IT and Operation Technology systems.

Evaluates, recommends, and performs upgrades to IT systems and infrastructure to ensure availability and minimize downtime.

Monitors, improves, and troubleshoots system performance and issues affecting the network and servers.

Manages SME's in support in solving technical problems.

Maintains quality service by establishing and enforcing organization standards and compliance.

Trains, supervises, schedules, evaluates and mentors assigned employees with transparency and visibility, ensuring team workload is performed effectively and efficiently. Maintain and administer network integrity and security.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

Page 2 of 3

Develop and implement policies and procedures related to infrastructure systems network and servers.

Coordinate infrastructure operations by setting priorities and establishing goals for growth and maintenance.

Works with IT Management to devise strategic and tactical solutions required to meet overall objectives of the authority; Prepare reports and recommendations on system performance and operations.

Works with IT/OT Applications and Information Security Sections to provision the necessary resources to test, develop, promote, and or retire/recover infrastructure.

Perform other related duties required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of network infrastructure and design and support

Knowledge of network operating systems, network equipment and networking protocols.

Knowledge of managing and maintaining an enterprise network system.

Knowledge and experience in integrating and securing SaaS, PaaS and IaaS architectures.

Ability to design, configure, troubleshoot and maintain network infrastructure related equipment and/or issues.

Ability to maintain network infrastructure integrity, security design and support.

Ability to supervise the work of others.

Ability to keep up with innovation in infrastructure and network design.

Ability to work effectively, orally and in writing.

Ability to learn, interpret and apply utility policies and procedures.

Ability to provide courteous and efficient customer service through various modes of communication by answering questions without unnecessary delay and maintain professional demeanor.

Ability to maintain records and prepare reports.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

Page 3 of 3

MINIMUM EXPERIENCE AND TRAINING:

- A) Five (5) years of experience in network operating systems, server operations, system maintenance or troubleshooting and problem resolution and graduation with a Bachelor's degree from an recognized college or university in Computer Science, Computer Information Systems (CIS), Information Technology or related field; or
- B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

Established:

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

Application Support Supervisor

NATURE OF WORK IN THIS CLASS:

This is complex technical supervisory work in leading and supervising the Application Support team for the Guam Power Authority and Guam Waterworks Authority.

Employees in this class are responsible for the supervision of the monitoring, installation and maintenance of software applications and streamline utility business operations to increase efficiency.

ILLUSTRATIVE EXAMPLES OF WORK: *(Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)*

Coordinates and directs the monitoring, installation, maintenance, troubleshooting and repair of software applications utilized by the Authority; Plans and assess utility business process requirements and analyzes the structure and flow of the business to identify application solutions.

Supervises and participates in the development, promotion, maintenance and troubleshooting of Utility databases including its resources, architecture and performance. Reviews utility database expansion by studying plans and requirements; Makes recommendations on whether to upgrade the existing systems or install new ones.

Manages data classification, data standards in accordance with established Cyber Security Policy and works directly with ISM. Performs technical support and problem resolution related to business application software systems; responds to emergency calls pertaining to database system failures and/or outages; Coordinates and executes test back-up and disaster recovery plans Ensures compliance with agency approved Cybersecurity Policy.

Formulates policy, development and procedures for use software applications and utility databases; Maintains detailed and up-to-date documentation of issues, resolutions of the solution procedure.

Supervises database administrators and other utility application support personnel. Assigns and assists in the development of software applications operation SME training plans, techniques and procedures involving new business applications to respond to utility project requests describing application and database user needs.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Intermediate Knowledge of the managing and maintaining a at least one (1) server operating system.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

Page 2 of 2

Knowledge of application, installation maintenance, troubleshooting and support for computer related applications.

Knowledge of front-end and back-end programming languages, such as programs and scripting languages (i.e. SQL report, Crystal Reports, Java, BI Launchpad, etc...).

Knowledge of server-client computing and relational database environments.

Knowledge and experience with application integration using SaaS, PaaS and SaaS architectures.

Knowledge of data management and data processing flowchart techniques.

Ability to work effectively, orally and in writing.

Ability to keep up with innovation in application design.

Ability to learn, interpret and apply utility policies and procedures.

Ability to provide courteous and efficient customer service through various modes of communication by answering questions without unnecessary delay and maintain professional demeanor.

Ability to supervise various application support programs.

Ability to supervise the work of others.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

- A) Five (5) years experience in the installation, maintenance, troubleshooting and/or repair of computer related applications and/ programs; and graduation from a recognized college or university with a Bachelor's degree in computer science, information technology, information systems, or related field; or
- B) Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

Established:

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

POSITION DESCRIPTION QUESTIONNAIRE INSTRUCTIONS

WHO SHOULD COMPLETE THE QUESTIONNAIRE?

- (1) The employee occupying the position (jobholder) completes the first six (I-VI) sections of the questionnaire.
- (2) The employee completes Section VII if he/she chooses to do so. If the employee decides not to complete Section VII, mark the box provided. The direct supervisor will then complete Section VII for the employee.
- (3) The direct supervisor completes Section VIII. It is to add or clarify any of the information provided by the employee/jobholder or to provide different information.
- (4) The direct supervisor completes the questionnaire for vacant positions.
- (5) Section IX is completed by the Human Resources Office.
- (6) The completed questionnaire is subject to post-audit by the Department of Administration.

I. JOB IDENTIFICATION:

- Position Title: Show the official (payroll) title only.
- Official Position No.: Show the official number provided in the staffing pattern for the job. Although the employee/jobholder may change from time to time, the position number does not change. It is a position management tool.
- Job Location: Show the exact location of the position within the organization.
- Direct Supervisor: Show the official position title and name of supervisor or manager to whom the jobholder must report.

II. JOB DESCRIPTION:

ESSENTIAL FUNCTIONS: These are the required job duties of the position that a qualified person must perform. Under the Americans with Disability Act, the duties are performed either with or without a "reasonable accommodation." Without one of the essential functions, the need for the job is changed.

The description of functions performed must be short, clear and correct. It should tell what is done and its purpose or why. It should not tell how it is done. The duties are specific. Do not use unclear, general statements. Do not use additional papers.

Organize and list the job functions in one of the formats selected below. Mark the format selected. The format selected is only for the purpose of organizing the description of the job. It will not determine the job's classification and pay.

- (1) Daily work assignments – proper for job functions that are repetitive and have specific work operations and procedures. List the functions beginning with the first daily work assignment and ending with the last work assignment.
- (2) Percentage of time – proper for jobs that have varied functions and responsibilities. List the functions by percentage of time spent, beginning with the highest percentage. The total % should equal 100%.
- (3) Order of importance – proper for job functions that provide levels of importance. List the functions beginning with the most important function and ending with the least important. All functions are performed, however.

NONESSENTIAL FUNCTIONS: Nonessential functions are tasks that are minor, or not required to the completion of the essential functions. In addition, nonessential functions are those that could be performed by other workers. The phrase, "performs related duties as assigned" is normally listed here.

III. MINIMUM QUALIFICATION REQUIREMENTS:

These are the minimum requirements needed to qualify for the job. They are necessary for satisfactory performance of the job's essential functions. It is not to show the employee's (jobholder's) qualifications. They are used further in the job analysis necessary for the creation of position classification standards.

Experience – Show the type and length (months or years) of experience needed by a qualified applicant to perform the essential functions of the job.

Education – Show the formal schooling or training required for a qualified applicant to perform the essential functions of the job.

Revised: 05/97

Class Code _____

POSITION DESCRIPTION QUESTIONNAIRE

I. IDENTIFICATION

Official Position Title: <u> INFORMATION SECURITY SUPERVISOR </u>	Official Position No.: _____
Job Location: <u> GUAM POWER AUHTORITY </u> <u> INFORMATION TECHNOLOGY </u>	
(Department/Agency)	(Division) (Section/Unit)
Name: _____	
Last	First Middle Initial
Pay Grade: _____	[X] Classified [] Unclassified [] Position Vacant
Supervisor: _____	
(Name of Direct Supervisor)	Title of Supervisor

II. DESCRIPTION OF DUTIES

Duty NO. or % of Time	<p>ESSENTIAL FUNCTIONS: Organize and list duties and responsibilities that MUST be performed. List duties in one of the formats below.</p> <p>(1) The daily work assignments, beginning with the first duty and ending with the last duty for the day.</p> <p>(2) Percentage of time and show % for each (total % equals 100%).</p> <p>(3) Order of importance, beginning with the most important.</p> <p>Mark (✓ or X) one format only: [] (1), [] (2), [X] (3)</p>
	Supervises the Information Security team consisting of Information Security Administrators.
	Supervises and participates in the planning, maintenance, repair troubleshooting and reporting of security software solutions.
	Supervises and participates in the monitoring of agents on Windows, OS400, Linux systems, network devices, databases and other related programs/software.
	Supervises all security systems and software to ensure compliance with policies and procedures as well as proper and effective operations.
	Supervises and participates in troubleshooting and/or debugging issues with security
	Supervises the testing and certification of new security technologies (or new versions of existing products).
	Oversees the monitoring of system security, including event analysis, trend analysis, and compliance with Information Security procedures and policies.
	Write and maintain technical documentation including design documents, test plans, project plans, procedures, incident reports and troubleshooting guides.
	Oversees and report status of patching for servers, workstations and network devices.
	Oversee the monitoring of protocols such as Syslog and SNMP.
	Oversee the monitoring of network communications (TCP/IP, ICMP, Telnet, and others)
	Oversee scripts and batch files (VB Script, Shell, Perl and others)
	Research and recommend web technologies for updates (US/Apache, HTTP/S, Java and others)
	Report findings, issues, and recommendations to Chief Information Technology Officer.
	Perform other related duties as assigned.
	<p>NON-ESSENTIAL OR ADDITIONAL FUNCTIONS: List duties and responsibilities not listed above that may be performed, as assigned.</p>
	Work both independently and with a team to accomplish multiple tasks and projects.
	Mentor an intern
	Representative for Authority's community outreach or special projects.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

III. CONTACTS: Departments, agencies and individuals you deal with during the course of your daily activities.

A. Within your department / agency. Mark (X or √) one box:			
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours	<input type="checkbox"/> 15 – 50% of total working hours	<input checked="" type="checkbox"/> Over 50%
B. Outside your department / agency. Mark (X or √)			
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours	<input checked="" type="checkbox"/> 15 – 50% of total working hours	<input type="checkbox"/> Over 50%

IV. SUPERVISION RECEIVED: How closely is the employee’s/jobholder’s work reviewed by the direct supervisor? Mark (X or √) one correct response.

<input type="checkbox"/> Detailed and specific instructions / procedures received or followed for each assignment.
<input type="checkbox"/> General Supervision – Routine duties are performed with minimal supervision. Standard practices or procedures allow employee to function alone at routine work. Supervisor makes occasional check of work while in progress. Work is reviewed upon completion.
<input checked="" type="checkbox"/> Direction – Receives guidance about general objectives in most of the tasks and projects assigned; determines methods, work sequence, scheduling and how to achieve objectives of assignments; operates within policy guidelines. (Generally applicable to skilled professionals, supervisors and managers.)
<input type="checkbox"/> General Direction – Receives very general guidance about overall objectives; work is usually quite independent of others; operates within division or department policy guidelines, using independent judgment in achieving assigned objectives. (Generally applicable to managers / administrators in large and complex organizations and to department / agency heads and their first assistants.)

V. SUPERVISION EXERCISED: The employee/jobholder supervises other employees. List the number of employees supervised, their position titles, and a brief description of their responsibilities.

Number Supervised	Position Title	Description of Responsibilities
2	Network Systems Administrator	

VI. EQUIPMENT: List the equipment (pickup truck, welder, crane, etc.), office machines (word processor, calculator, copying machine, etc.), or any other machines, tools or devices that are used on a regular and continuing basis. Show what percentage of the regular workday is spent using each.

TOOLS / EQUIPMENT	PERCENT (%) OF TIME FOR EACH
Personal Computer	100%
Laptop	

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

VII. JOB REQUIREMENTS

Mark (✓ or X) here if jobholder is unable to complete this section. The direct supervisor will then complete this section for the jobholder.

A. MINIMUM QUALIFICATION REQUIREMENTS: List the minimum experience and training a qualified applicant must have before employment.

<p>1. WORK EXPERIENCE: List the general, specialized and/or supervisory / management work experience needed and how much (in months and/or years). If none, mark (✓ or X) "No work experience required."</p>	
<p><input type="checkbox"/> No work experience is required.</p>	
<p>General:</p>	
<p>Four (4) years of technical experience in information and network protection.</p>	
<p> </p>	
<p>Supervisor / Management:</p>	
<p>and one (1) year of related supervisory experience.</p>	
<p>If no work experience is required, list the knowledge, abilities and skills a qualified applicant needs before employment to perform the essential job functions.</p>	
<p> </p>	
<p> </p>	
<p>2. FORMAL EDUCATION OR TRAINING:</p>	
<p>Mark (✓ or X) the most applicable education level required.</p>	
<p>a. <input type="checkbox"/> Below High School – Show Number of Years</p>	
<p>b. <input checked="" type="checkbox"/> High School Graduation / GED</p>	
<p>c. <input type="checkbox"/> Vocational / Technical School</p>	
<p>Show specific training that is required by this position.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>d. <input type="checkbox"/> Some College</p>	
<p>Show number of <input type="checkbox"/> Semester Hours _____ or <input type="checkbox"/> Quarter Hours _____.</p>	
<p>Show specific courses required by the essential functions of this job.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

<p>e. College Degree (Show major area of study required.)</p> <p><input type="checkbox"/> Associate's : _____</p> <p><input checked="" type="checkbox"/> Bachelor's: <u>and graduation from a recognized college or university with a Bachelor's degree in Computer Science, Computer Information Systems (CIS), Information Technology or closely related field</u></p> <p>_____</p> <p><input type="checkbox"/> Master's: _____</p> <p><input type="checkbox"/> Beyond Masters: _____</p>
<p>3. CRITICAL SKILLS / EXPERTISE: List specialized skills or specialization needed to perform essential functions.</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>4. LICENSE, REGISTRATION OR CERTIFICATION: List possession of required license, professional registration/certification needed to perform essential functions.</p> <p>_____</p> <p>_____</p> <p>_____</p>

B. MENTAL / VISUAL, PHYSICAL, AND ENVIRONMENTAL JOB REQUIREMENTS:

<p>1. Mark (✓ or X) the most appropriate physical requirement(s) for the job.</p>	
<input checked="" type="checkbox"/> Sitting	The job requires the employee to sit in a comfortable position most of the time. The employee can move about.
<input type="checkbox"/> Sitting	Employee is required to sit for extended periods or time without being able to leave the work area.
<input type="checkbox"/> Sitting/Standing/Walking	The employee is required to sit, stand, walk most of the time.
<input type="checkbox"/> Climbing	Employee is required to climb ladders or scaffolding or to climb and work in overhead areas.
<input type="checkbox"/> Lifting	Employee is required to raise or lower objects from one level to another regularly.
<input type="checkbox"/> Pulling and/or Pushing	The job requires exerting force up to _____ pounds on a regular basis to move the object to or away from the employee.
<input type="checkbox"/> Carrying	The employee is required, on a regular basis, to carry objects in his or her arms or on the shoulder(s).
<input type="checkbox"/> Reaching	The employee is regularly required to use the hands and arms to reach for objects.
<input type="checkbox"/> Stooping and Crouching	The employee is regularly required to bend forward by bending at the waist or by bending legs and spine.
<input type="checkbox"/> Crawling	Employee is required to work in a confined space and/or to crawl and move about on his or her hands and knees.
<input checked="" type="checkbox"/> Speaking	The job requires expressing ideas by the spoken word.
<input checked="" type="checkbox"/> Listening	The job requires the perception of speech or the nature of sounds in the air.
<input type="checkbox"/> Other	Describe the requirement. _____

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

<hr style="border: 0; border-top: 1px solid black; margin: 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 0;"/>
2. Mark (✓ or X) the most appropriate mental / visual requirement for the job.
<p><input type="checkbox"/> General Intelligence (typical requirement for machine operators, office staff, etc.)</p> <p><input type="checkbox"/> Motor Coordination Skills (typical for automotive mechanic, painter, etc.)</p> <p><input type="checkbox"/> Coordination of Eyes, Hands, and Feet (typical for tractor trailer driver, fire fighter, line electrician, etc.)</p> <p><input checked="" type="checkbox"/> Verbal Intelligence (typical for counselors, customer service representatives, etc.)</p> <p><input checked="" type="checkbox"/> Numerical Intelligence (typical for an accounting clerk, cargo checker, etc.)</p> <p><input type="checkbox"/> Other:</p> <p style="margin-left: 40px;">_____</p> <p style="margin-left: 40px;">_____</p> <p style="margin-left: 40px;">_____</p>
3. The job's most appropriate work environment and the weather exposure.
<p>Show what percent of a typical workday is spent. (Select one response only)</p> <p><u>95</u> % Indoors in a comfortable temperature-controlled environment (for instance, in an office).</p> <p>_____ % Indoors in a non-temperature-controlled environment (such as an open garage, storerooms and warehouses, etc.)</p> <p>_____ % Outdoors exposed to changing weather conditions (for instance, rain, sun, wind, etc.)</p> <p><u>5</u> % Outdoors but in an enclosed vehicle protected from extreme weather conditions.</p>
4. Other physical working conditions
<p><input type="checkbox"/> Mark (X or ✓) if none of the following is applicable.</p> <p>Show what percent of a typical workday this position is exposed to:</p> <p>_____ % Air contamination (i.e., dust, fumes, smoke, toxic conditions, disagreeable odors).</p> <p>_____ % Vibration (i.e., operating jackhammer, impact wrench).</p> <p>_____ % Noise (Exposure at a level enough to cause hearing loss or fatigue).</p> <p>_____ % An improperly illuminated or awkward and confining work space.</p> <p>_____ % Working above ground level where the chance of falling exists (i.e., on ladders, rooftops, bucket trucks, scaffolding).</p> <p>_____ % Lifting or carrying items or objects. Describe item/object and weight:</p> <p style="margin-left: 40px;">_____</p> <p style="margin-left: 40px;">_____</p> <p>_____ % Heat. Describe source and degree of high temperature.</p> <p style="margin-left: 40px;">_____</p> <p style="margin-left: 40px;">_____</p> <p>_____ % Cold. Describe source and degree of cold temperature:</p> <p style="margin-left: 40px;">_____</p> <p style="margin-left: 40px;">_____</p>

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

_____ % Other hazards. Describe:

5. Describe the working conditions that are irregular or unusual for the job and show frequency of exposure.
 Mark (X or √) if not applicable.

CONDITION	FREQUENCY OF EXPOSURE
-----------	-----------------------

C. Work Schedule/Hours – Mark (√ or X) the most appropriate work schedule/hours for the job.

Regular – Standard Eight (8) hours daily, Monday – Friday
 Irregular – Shift work – A 24-hour work operation.
 Regular / Irregular – Overtime hours with overtime pay entitlement
State Purpose and Total Hours required per pay period:

Regular / Irregular – Overtime hours without overtime pay entitlement
State Purpose and Total Hours required per pay period:

The information given on this position is complete and correct.

Signature of Employee

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

VIII. SUPERVISOR'S REVIEW

IMPORTANT: This Block To Be Filled Out Only By The Direct Supervisor

a.	(1)	Has the employee correctly stated his or her official payroll position title? [] Yes [] No
	(2)	If not, what is the correct title? _____
b.	(1)	Are the employee's statements about the duties of his/her position and the supplementary information complete and accurate? [] Yes [] No
	(2)	If not, what additions, deletions or corrections should be made? (Refer to block and page) _____ _____ _____
c.	What positions under your supervision perform the same essential functions Give name and title:	
	Name	Title
	_____ _____ _____	
d.	Does this position require (mark one) [] Immediate supervision on a regular basis, [] Immediate supervision only for new/complex tasks, or [] Little immediate supervision.	
e.	Does the employee participate in (mark those appropriate) the [] Formulation, [] Interpretation, and/or [] Application of Agency/Department policy. Give examples: _____ _____ _____	
f.	The employee (mark one) [] Performs routine, well-defined tasks, [X] Performs moderately complex tasks requiring moderate knowledge of Agency's/Department's work; or [] Performs complex tasks requiring extensive knowledge of Agency's/Department's work.	

I certify to the accuracy of the description of duties, responsibilities and organizational relationships provided herein; further, that the position is necessary to carry out government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes on the use of public funds. The false or misleading statement may constitute violations of such statutes or their implementing regulations.

Signature of Immediate Supervisor

Date

Signature of Department/Agency Head

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

IX.

Human Resources Office Review:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

Approved by: _____
Personnel Services Administrator Date

Civil Service Commission Post-Audit:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

POSITION DESCRIPTION QUESTIONNAIRE INSTRUCTIONS

WHO SHOULD COMPLETE THE QUESTIONNAIRE?

- (1) The employee occupying the position (jobholder) completes the first six (I-VI) sections of the questionnaire.
- (2) The employee completes Section VII if he/she chooses to do so. If the employee decides not to complete Section VII, mark the box provided. The direct supervisor will then complete Section VII for the employee.
- (3) The direct supervisor completes Section VIII. It is to add or clarify any of the information provided by the employee/jobholder or to provide different information.
- (4) The direct supervisor completes the questionnaire for vacant positions.
- (5) Section IX is completed by the Human Resources Office.
- (6) The completed questionnaire is subject to post-audit by the Department of Administration.

I. JOB IDENTIFICATION:

- Position Title: Show the official (payroll) title only.
- Official Position No.: Show the official number provided in the staffing pattern for the job. Although the employee/jobholder may change from time to time, the position number does not change. It is a position management tool.
- Job Location: Show the exact location of the position within the organization.
- Direct Supervisor: Show the official position title and name of supervisor or manager to whom the jobholder must report.

II. JOB DESCRIPTION:

ESSENTIAL FUNCTIONS: These are the required job duties of the position that a qualified person must perform. Under the Americans with Disability Act, the duties are performed either with or without a "reasonable accommodation." Without one of the essential functions, the need for the job is changed.

The description of functions performed must be short, clear and correct. It should tell what is done and its purpose or why. It should not tell how it is done. The duties are specific. Do not use unclear, general statements. Do not use additional papers.

Organize and list the job functions in one of the formats selected below. Mark the format selected. The format selected is only for the purpose of organizing the description of the job. It will not determine the job's classification and pay.

- (1) Daily work assignments – proper for job functions that are repetitive and have specific work operations and procedures. List the functions beginning with the first daily work assignment and ending with the last work assignment.
- (2) Percentage of time – proper for jobs that have varied functions and responsibilities. List the functions by percentage of time spent, beginning with the highest percentage. The total % should equal 100%.
- (3) Order of importance – proper for job functions that provide levels of importance. List the functions beginning with the most important function and ending with the least important. All functions are performed, however.

NONESSENTIAL FUNCTIONS: Nonessential functions are tasks that are minor, or not required to the completion of the essential functions. In addition, nonessential functions are those that could be performed by other workers. The phrase, "performs related duties as assigned" is normally listed here.

III. MINIMUM QUALIFICATION REQUIREMENTS:

These are the minimum requirements needed to qualify for the job. They are necessary for satisfactory performance of the job's essential functions. It is not to show the employee's (jobholder's) qualifications. They are used further in the job analysis necessary for the creation of position classification standards.

Experience – Show the type and length (months or years) of experience needed by a qualified applicant to perform the essential functions of the job.

Education – Show the formal schooling or training required for a qualified applicant to perform the essential functions of the job.

Revised: 05/97

Class Code _____

POSITION DESCRIPTION QUESTIONNAIRE

I. IDENTIFICATION

Official Position Title: <u>INFRASTRUCTURE SUPPORT SUPERVISOR</u>	Official Position No.: _____
Job Location: <u>GUAM POWER AUHTORITY</u> <u>INFORMATION TECHNOLOGY</u>	
(Department/Agency)	(Division) (Section/Unit)
Name: _____	
Last	First Middle Initial
Pay Grade: _____	<input checked="" type="checkbox"/> Classified [] Unclassified [] Position Vacant
Supervisor: _____	
(Name of Direct Supervisor)	Title of Supervisor

II. DESCRIPTION OF DUTIES

Duty NO. or % of Time	<p>ESSENTIAL FUNCTIONS: Organize and list duties and responsibilities that MUST be performed. List duties in one of the formats below.</p> <p>(1) The daily work assignments, beginning with the first duty and ending with the last duty for the day.</p> <p>(2) Percentage of time and show % for each (total % equals 100%).</p> <p>(3) Order of importance, beginning with the most important.</p> <p>Mark (✓ or X) one format only: [] (1), [] (2), [X] (3)</p>
	Supervises the Infrastructure Support team consisting of Network Administrators, System Administrators, Network Technicians, Programmer Analyst, and other related personnel.
	Design, install, update, configure and maintain server infrastructure to include blade servers, storage attached servers, standalone servers, file servers, Linux servers, network attached storage and other related equipment.
	Design, install, update, configure and maintain network infrastructure to include network switches, routers, firewalls, VPN gateways, intrusion detection systems, network monitoring devices and other related equipment.
	Monitor/improve/troubleshoot system performance and issues affecting the network and server infrastructure.
	Maintain and administer network integrity and security.
	Develop and implement policies and procedures related to infrastructure systems network and servers.
	Coordinate infrastructure operations by setting priorities and establishing goals for growth and maintenance.
	Prepare reports and recommendations on the system performance and operations to the Chief Information Technology Officer.
	Performs related duties as required.
	NON-ESSENTIAL OR ADDITIONAL FUNCTIONS: List duties and responsibilities not listed above that may be performed, as assigned.
	Able to work with other team members within and outside the department.
	Attend project or committee meetings.
	Able to work in a collaborative environment.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

III. CONTACTS: Departments, agencies and individuals you deal with during the course of your daily activities.

A. Within your department / agency. Mark (X or √) one box:			
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours	<input type="checkbox"/> 15 – 50% of total working hours	<input checked="" type="checkbox"/> Over 50%
B. Outside your department / agency. Mark (X or √)			
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours	<input checked="" type="checkbox"/> 15 – 50% of total working hours	<input type="checkbox"/> Over 50%

IV. SUPERVISION RECEIVED: How closely is the employee's/jobholder's work reviewed by the direct supervisor? Mark (X or √) one correct response.

<input type="checkbox"/>	Detailed and specific instructions / procedures received or followed for each assignment.
<input type="checkbox"/>	General Supervision – Routine duties are performed with minimal supervision. Standard practices or procedures allow employee to function alone at routine work. Supervisor makes occasional check of work while in progress. Work is reviewed upon completion.
<input checked="" type="checkbox"/>	Direction – Receives guidance about general objectives in most of the tasks and projects assigned; determines methods, work sequence, scheduling and how to achieve objectives of assignments; operates within policy guidelines. (Generally applicable to skilled professionals, supervisors and managers.)
<input type="checkbox"/>	General Direction – Receives very general guidance about overall objectives; work is usually quite independent of others; operates within division or department policy guidelines, using independent judgment in achieving assigned objectives. (Generally applicable to managers / administrators in large and complex organizations and to department / agency heads and their first assistants.)

V. SUPERVISION EXERCISED: The employee/jobholder supervises other employees. List the number of employees supervised, their position titles, and a brief description of their responsibilities.

Number Supervised	Position Title	Description of Responsibilities
2	Network Systems Administrator	
2	System Administrator	
2	Network Technician	

VI. EQUIPMENT: List the equipment (pickup truck, welder, crane, etc.), office machines (word processor, calculator, copying machine, etc.), or any other machines, tools or devices that are used on a regular and continuing basis. Show what percentage of the regular workday is spent using each.

TOOLS / EQUIPMENT	PERCENT (%) OF TIME FOR EACH
Personal Computer	100%
Laptop	

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

VII. JOB REQUIREMENTS

Mark (√ or X) here if jobholder is unable to complete this section. The direct supervisor will then complete this section for the jobholder.

A. MINIMUM QUALIFICATION REQUIREMENTS: List the minimum experience and training a qualified applicant must have before employment.

<p>1. WORK EXPERIENCE: List the general, specialized and/or supervisory / management work experience needed and how much (in months and/or years). If none, mark (√ or X) "No work experience required."</p>	
<p><input type="checkbox"/> No work experience is required.</p>	
<p>General:</p>	
<p>Minimum of 3 years' experience managing and maintaining an Enterprise Network</p>	
<p>Minimum of 3 years' experience performing System Administration</p>	
<p>Minimum of 3 years' experience maintaining and managing a Corporate Wireless Network</p>	
<p>Supervisor / Management:</p>	
<p>If no work experience is required, list the knowledge, abilities and skills a qualified applicant needs before employment to perform the essential job functions.</p>	
<p> </p>	
<p> </p>	
<p>2. FORMAL EDUCATION OR TRAINING:</p>	
<p>Mark (√ or X) the most applicable education level required.</p>	
<p>a. <input type="checkbox"/> Below High School – Show Number of Years</p>	
<p>b. <input checked="" type="checkbox"/> High School Graduation / GED</p>	
<p>c. <input type="checkbox"/> Vocational / Technical School</p>	
<p>Show specific training that is required by this position.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>d. <input type="checkbox"/> Some College</p>	
<p>Show number of <input type="checkbox"/> Semester Hours _____ or <input type="checkbox"/> Quarter Hours _____.</p>	
<p>Show specific courses required by the essential functions of this job.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

e. College Degree (Show major area of study required.) <input type="checkbox"/> Associate's : _____ <input checked="" type="checkbox"/> Bachelor's: <u>Undergraduate degree in Computer Science, Customer Information Systems (CIS), Information Technology or related field</u> <input type="checkbox"/> Master's: _____ <input type="checkbox"/> Beyond Masters: _____
3. CRITICAL SKILLS / EXPERTISE: List specialized skills or specialization needed to perform essential functions. _____ _____ _____
4. LICENSE, REGISTRATION OR CERTIFICATION: List possession of required license, professional registration/certification needed to perform essential functions. _____ _____ _____

B. MENTAL / VISUAL, PHYSICAL, AND ENVIRONMENTAL JOB REQUIREMENTS:

1. Mark (✓ or X) the most appropriate physical requirement(s) for the job.	
<input checked="" type="checkbox"/> Sitting	The job requires the employee to sit in a comfortable position most of the time. The employee can move about.
<input type="checkbox"/> Sitting	Employee is required to sit for extended periods or time without being able to leave the work area.
<input type="checkbox"/> Sitting/Standing/Walking	The employee is required to sit, stand, walk most of the time.
<input type="checkbox"/> Climbing	Employee is required to climb ladders or scaffolding or to climb and work in overhead areas.
<input type="checkbox"/> Lifting	Employee is required to raise or lower objects from one level to another regularly.
<input type="checkbox"/> Pulling and/or Pushing	The job requires exerting force up to _____ pounds on a regular basis to move the object to or away from the employee.
<input type="checkbox"/> Carrying	The employee is required, on a regular basis, to carry objects in his or her arms or on the shoulder(s).
<input type="checkbox"/> Reaching	The employee is regularly required to use the hands and arms to reach for objects.
<input type="checkbox"/> Stooping and Crouching	The employee is regularly required to bend forward by bending at the waist or by bending legs and spine.
<input type="checkbox"/> Crawling	Employee is required to work in a confined space and/or to crawl and move about on his or her hands and knees.
<input checked="" type="checkbox"/> Speaking	The job requires expressing ideas by the spoken word.
<input checked="" type="checkbox"/> Listening	The job requires the perception of speech or the nature of sounds in the air.
<input type="checkbox"/> Other	Describe the requirement. _____ _____

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

2. Mark (✓ or X) the most appropriate mental / visual requirement for the job.
<p><input type="checkbox"/> General Intelligence (typical requirement for machine operators, office staff, etc.)</p> <p><input type="checkbox"/> Motor Coordination Skills (typical for automotive mechanic, painter, etc.)</p> <p><input type="checkbox"/> Coordination of Eyes, Hands, and Feet (typical for tractor trailer driver, fire fighter, line electrician, etc.)</p> <p><input checked="" type="checkbox"/> Verbal Intelligence (typical for counselors, customer service representatives, etc.)</p> <p><input checked="" type="checkbox"/> Numerical Intelligence (typical for an accounting clerk, cargo checker, etc.)</p> <p><input type="checkbox"/> Other:</p> <p>_____</p> <p>_____</p> <p>_____</p>
3. The job's most appropriate work environment and the weather exposure.
<p>Show what percent of a typical workday is spent. (Select one response only)</p> <p><u> 95 </u> % Indoors in a comfortable temperature-controlled environment (for instance, in an office).</p> <p><u> </u> % Indoors in a non-temperature-controlled environment (such as an open garage, storerooms and warehouses, etc.)</p> <p><u> </u> % Outdoors exposed to changing weather conditions (for instance, rain, sun, wind, etc.)</p> <p><u> 5 </u> % Outdoors but in an enclosed vehicle protected from extreme weather conditions.</p>
4. Other physical working conditions
<p><input type="checkbox"/> Mark (X or ✓) if none of the following is applicable.</p> <p>Show what percent of a typical workday this position is exposed to:</p> <p><u> </u> % Air contamination (i.e., dust, fumes, smoke, toxic conditions, disagreeable odors).</p> <p><u> </u> % Vibration (i.e., operating jackhammer, impact wrench).</p> <p><u> </u> % Noise (Exposure at a level enough to cause bearing loss or fatigue).</p> <p><u> </u> % An improperly illuminated or awkward and confining work space.</p> <p><u> </u> % Working above ground level where the chance of falling exists (i.e., on ladders, rooftops, bucket trucks, scaffolding).</p> <p><u> </u> % Lifting or carrying items or objects. Describe item/object and weight:</p> <p>_____</p> <p>_____</p> <p><u> </u> % Heat. Describe source and degree of high temperature.</p> <p>_____</p> <p>_____</p> <p><u> </u> % Cold. Describe source and degree of cold temperature:</p> <p>_____</p> <p>_____</p>

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

_____ % Other hazards. Describe:

5. Describe the working conditions that are irregular or unusual for the job and show frequency of exposure.
[] Mark (X or √) if not applicable.

CONDITION	FREQUENCY OF EXPOSURE
-----------	-----------------------

C. Work Schedule/Hours – Mark (√ or X) the most appropriate work schedule/hours for the job.

[X] Regular – Standard Eight (8) hours daily, Monday – Friday
[] Irregular – Shift work – A 24-hour work operation.
[] Regular / Irregular – Overtime hours with overtime pay entitlement

State Purpose and Total Hours required per pay period:

[] Regular / Irregular – Overtime hours without overtime pay entitlement

State Purpose and Total Hours required per pay period:

The information given on this position is complete and correct.

Signature of Employee

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

VIII. SUPERVISOR'S REVIEW

IMPORTANT: This Block To Be Filled Out Only By The Direct Supervisor

a.	(1)	Has the employee correctly stated his or her official payroll position title? [] Yes [] No
	(2)	If not, what is the correct title? _____
b.	(1)	Are the employee's statements about the duties of his/her position and the supplementary information complete and accurate? [] Yes [] No
	(2)	If not, what additions, deletions or corrections should be made? (Refer to block and page) _____ _____ _____
c.	What positions under your supervision perform the same essential functions Give name and title:	
	Name	Title
	_____ _____ _____	
d.	Does this position require (mark one) [] Immediate supervision on a regular basis, [] Immediate supervision only for new/complex tasks, or [] Little immediate supervision.	
e.	Does the employee participate in (mark those appropriate) the [] Formulation, [] Interpretation, and/or [] Application of Agency/Department policy. Give examples: _____ _____ _____	
f.	The employee (mark one) [] Performs routine, well-defined tasks, [X] Performs moderately complex tasks requiring moderate knowledge of Agency's/Department's work; or [] Performs complex tasks requiring extensive knowledge of Agency's/Department's work.	

I certify to the accuracy of the description of duties, responsibilities and organizational relationships provided herein; further, that the position is necessary to carry out government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes on the use of public funds. The false or misleading statement may constitute violations of such statutes or their implementing regulations.

Signature of Immediate Supervisor

Date

Signature of Department/Agency Head

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

IX.

Human Resources Office Review:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

Approved by: _____
Personnel Services Administrator Date

Civil Service Commission Post-Audit:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

POSITION DESCRIPTION QUESTIONNAIRE INSTRUCTIONS

WHO SHOULD COMPLETE THE QUESTIONNAIRE?

- (1) The employee occupying the position (jobholder) completes the first six (I-VI) sections of the questionnaire.
- (2) The employee completes Section VII if he/she chooses to do so. If the employee decides not to complete Section VII, mark the box provided. The direct supervisor will then complete Section VII for the employee.
- (3) The direct supervisor completes Section VIII. It is to add or clarify any of the information provided by the employee/jobholder or to provide different information.
- (4) The direct supervisor completes the questionnaire for vacant positions.
- (5) Section IX is completed by the Human Resources Office.
- (6) The completed questionnaire is subject to post-audit by the Department of Administration.

I. JOB IDENTIFICATION:

- Position Title: Show the official (payroll) title only.
- Official Position No.: Show the official number provided in the staffing pattern for the job. Although the employee/jobholder may change from time to time, the position number does not change. It is a position management tool.
- Job Location: Show the exact location of the position within the organization.
- Direct Supervisor: Show the official position title and name of supervisor or manager to whom the jobholder must report.

II. JOB DESCRIPTION:

ESSENTIAL FUNCTIONS: These are the required job duties of the position that a qualified person must perform. Under the Americans with Disability Act, the duties are performed either with or without a "reasonable accommodation." Without one of the essential functions, the need for the job is changed.

The description of functions performed must be short, clear and correct. It should tell what is done and its purpose or why. It should not tell how it is done. The duties are specific. Do not use unclear, general statements. Do not use additional papers.

Organize and list the job functions in one of the formats selected below. Mark the format selected. The format selected is only for the purpose of organizing the description of the job. It will not determine the job's classification and pay.

- (1) Daily work assignments – proper for job functions that are repetitive and have specific work operations and procedures. List the functions beginning with the first daily work assignment and ending with the last work assignment.
- (2) Percentage of time – proper for jobs that have varied functions and responsibilities. List the functions by percentage of time spent, beginning with the highest percentage. The total % should equal 100%.
- (3) Order of importance – proper for job functions that provide levels of importance. List the functions beginning with the most important function and ending with the least important. All functions are performed, however.

NONESSENTIAL FUNCTIONS: Nonessential functions are tasks that are minor, or not required to the completion of the essential functions. In addition, nonessential functions are those that could be performed by other workers. The phrase, "performs related duties as assigned" is normally listed here.

III. MINIMUM QUALIFICATION REQUIREMENTS:

These are the minimum requirements needed to qualify for the job. They are necessary for satisfactory performance of the job's essential functions. It is not to show the employee's (jobholder's) qualifications. They are used further in the job analysis necessary for the creation of position classification standards.

Experience – Show the type and length (months or years) of experience needed by a qualified applicant to perform the essential functions of the job.

Education – Show the formal schooling or training required for a qualified applicant to perform the essential functions of the job.

Revised: 05/97

Class Code _____

POSITION DESCRIPTION QUESTIONNAIRE

I. IDENTIFICATION

Official Position Title: <u>APPLICATION SUPPORT SUPERVISOR</u>	Official Position No.: _____
Job Location: <u>GUAM POWER AUTHORITY</u> <u>INFORMATION TECHNOLOGY</u>	
(Department/Agency)	(Division) (Section/Unit)
Name: _____	
Last	First Middle Initial
Pay Grade: _____	[X] Classified [] Unclassified [] Position Vacant
Supervisor: _____	
(Name of Direct Supervisor)	Title of Supervisor

II. DESCRIPTION OF DUTIES

Duty NO. or % of Time	<p>ESSENTIAL FUNCTIONS: Organize and list duties and responsibilities that MUST be performed. List duties in one of the formats below.</p> <p>(1) The daily work assignments, beginning with the first duty and ending with the last duty for the day.</p> <p>(2) Percentage of time and show % for each (total % equals 100%).</p> <p>(3) Order of importance, beginning with the most important.</p> <p>Mark (✓ or X) one format only: [] (1), [] (2), [X] (3)</p>
	Supervises the Application Support team consisting of Database Administrator(s), Programmer(s), Programmer Analyst(s), Business Analyst(s) and other related personnel.
	Plans and assess business processes requirements and analyzes the structure and flow of the business to identify possible application solutions.
	Develops, implements and upgrade system applications and database software, by assessing transaction processing and database production options.
	Supervises the technical support and problem resolution related to business application software systems.
	Supervises the creation, development and monitoring of protocols and procedures for software usage.
	Maintains database results by setting and enforcing standards and controls.
	Administer database expansion by studying plans and requirements; advising Chief Information Technology Officer; coordinating design and programming of such applications and databases.
	Plan and schedule application and database performance by troubleshooting problems.
	Supervise the maintain and administration of platform upgrades and improvements.
	Develop and implement policies, procedures and controls related to the proper operation of applications and databases.
	Prepare reports and recommendations on the system performance and problems to the Chief Information Technology Officer.
	Performs related duties as required.
	<p>NON-ESSENTIAL OR ADDITIONAL FUNCTIONS: List duties and responsibilities not listed above that may be performed, as assigned.</p>
	Able to work with other team members within and outside the department.
	Attend project or committee meetings.
	Able to work in a collaborative environment.

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

III. CONTACTS: Departments, agencies and individuals you deal with during the course of your daily activities.

A. Within your department / agency. Mark (X or √) one box:	
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours
<input type="checkbox"/> 15 – 50% of total working hours	<input checked="" type="checkbox"/> Over 50%
B. Outside your department / agency. Mark (X or √)	
<input type="checkbox"/> None	<input type="checkbox"/> Up to 15% of total working hours
<input checked="" type="checkbox"/> 15 – 50% of total working hours	<input type="checkbox"/> Over 50%

IV. SUPERVISION RECEIVED: How closely is the employee's/jobholder's work reviewed by the direct supervisor? Mark (X or √) one correct response.

<input type="checkbox"/>	Detailed and specific instructions / procedures received or followed for each assignment.
<input type="checkbox"/>	General Supervision – Routine duties are performed with minimal supervision. Standard practices or procedures allow employee to function alone at routine work. Supervisor makes occasional check of work while in progress. Work is reviewed upon completion.
<input checked="" type="checkbox"/>	Direction – Receives guidance about general objectives in most of the tasks and projects assigned; determines methods, work sequence, scheduling and how to achieve objectives of assignments; operates within policy guidelines. (Generally applicable to skilled professionals, supervisors and managers.)
<input type="checkbox"/>	General Direction – Receives very general guidance about overall objectives; work is usually quite independent of others; operates within division or department policy guidelines, using independent judgment in achieving assigned objectives. (Generally applicable to managers / administrators in large and complex organizations and to department / agency heads and their first assistants.)

V. SUPERVISION EXERCISED: The employee/jobholder supervises other employees. List the number of employees supervised, their position titles, and a brief description of their responsibilities.

Number Supervised	Position Title	Description of Responsibilities
2	Database Administrator	
2	Programmer Analyst II	
1	Business Analyst	

VI. EQUIPMENT: List the equipment (pickup truck, welder, crane, etc.), office machines (word processor, calculator, copying machine, etc.), or any other machines, tools or devices that are used on a regular and continuing basis. Show what percentage of the regular workday is spent using each.

TOOLS / EQUIPMENT	PERCENT (%) OF TIME FOR EACH
Personal Computer Laptop	100%

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

--	--

VII. JOB REQUIREMENTS

Mark (√ or X) here if jobholder is unable to complete this section. The direct supervisor will then complete this section for the jobholder.

A. MINIMUM QUALIFICATION REQUIREMENTS: List the minimum experience and training a qualified applicant must have before employment.

<p>1. WORK EXPERIENCE: List the general, specialized and/or supervisory / management work experience needed and how much (in months and/or years). If none, mark (√ or X) "No work experience required."</p>	
<p><input type="checkbox"/> No work experience is required.</p>	
<p>General:</p>	
<p>Minimum of 5 years' experience managing and maintaining an Enterprise Customer Information System (CIS) and/or Enterprise Resource Planning (ERP) system.</p>	
<p>Minimum of 5 years' experience performing Database Administrator duties for various databases such as MSQl, DB2 and Oracle DB</p>	
<p>Minimum of 5 years' experience working with application maintenance and support.</p>	
<p>Supervisor / Management:</p>	
<p>If no work experience is required, list the knowledge, abilities and skills a qualified applicant needs before employment to perform the essential job functions.</p>	
<p> </p>	
<p> </p>	
<p>2. FORMAL EDUCATION OR TRAINING:</p>	
<p>Mark (√ or X) the most applicable education level required.</p>	
<p>a. <input type="checkbox"/> Below High School – Show Number of Years</p>	
<p>b. <input checked="" type="checkbox"/> High School Graduation / GED</p>	
<p>c. <input type="checkbox"/> Vocational / Technical School</p>	
<p>Show specific training that is required by this position.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>d. <input type="checkbox"/> Some College</p>	
<p>Show number of <input type="checkbox"/> Semester Hours _____ or <input type="checkbox"/> Quarter Hours _____.</p>	
<p>Show specific courses required by the essential functions of this job.</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	
<p>_____</p>	

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

e. College Degree (Show major area of study required.) <input type="checkbox"/> Associate's : _____ <input checked="" type="checkbox"/> Bachelor's: <u>Undergraduate degree in Computer Science, Customer Information Systems (CIS), Information Technology or related field</u> <input type="checkbox"/> Master's: _____ <input type="checkbox"/> Beyond Masters: _____
3. CRITICAL SKILLS / EXPERTISE: List specialized skills or specialization needed to perform essential functions.
4. LICENSE, REGISTRATION OR CERTIFICATION: List possession of required license, professional registration/certification needed to perform essential functions.

B. MENTAL / VISUAL, PHYSICAL, AND ENVIRONMENTAL JOB REQUIREMENTS:

1. Mark (✓ or X) the most appropriate physical requirement(s) for the job.	
<input checked="" type="checkbox"/> Sitting	The job requires the employee to sit in a comfortable position most of the time. The employee can move about.
<input type="checkbox"/> Sitting	Employee is required to sit for extended periods or time without being able to leave the work area.
<input type="checkbox"/> Sitting/Standing/Walking	The employee is required to sit, stand, walk most of the time.
<input type="checkbox"/> Climbing	Employee is required to climb ladders or scaffolding or to climb and work in overhead areas.
<input type="checkbox"/> Lifting	Employee is required to raise or lower objects from one level to another regularly.
<input type="checkbox"/> Pulling and/or Pushing	The job requires exerting force up to _____ pounds on a regular basis to move the object to or away from the employee.
<input type="checkbox"/> Carrying	The employee is required, on a regular basis, to carry objects in his or her arms or on the shoulder(s).
<input type="checkbox"/> Reaching	The employee is regularly required to use the hands and arms to reach for objects.
<input type="checkbox"/> Stooping and Crouching	The employee is regularly required to bend forward by bending at the waist or by bending legs and spine.
<input type="checkbox"/> Crawling	Employee is required to work in a confined space and/or to crawl and move about on his or her hands and knees.
<input checked="" type="checkbox"/> Speaking	The job requires expressing ideas by the spoken word.
<input checked="" type="checkbox"/> Listening	The job requires the perception of speech or the nature of sounds in the air.
<input type="checkbox"/> Other	Describe the requirement. _____

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

<p>2. Mark (✓ or X) the most appropriate mental / visual requirement for the job.</p> <p><input type="checkbox"/> General Intelligence (typical requirement for machine operators, office staff, etc.)</p> <p><input type="checkbox"/> Motor Coordination Skills (typical for automotive mechanic, painter, etc.)</p> <p><input type="checkbox"/> Coordination of Eyes, Hands, and Feet (typical for tractor trailer driver, fire fighter, line electrician, etc.)</p> <p><input checked="" type="checkbox"/> Verbal Intelligence (typical for counselors, customer service representatives, etc.)</p> <p><input checked="" type="checkbox"/> Numerical Intelligence (typical for an accounting clerk, cargo checker, etc.)</p> <p><input type="checkbox"/> Other:</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>3. The job's most appropriate work environment and the weather exposure.</p> <p>Show what percent of a typical workday is spent. (Select one response only)</p> <p><u>95</u> % Indoors in a comfortable temperature-controlled environment (for instance, in an office).</p> <p>_____ % Indoors in a non-temperature-controlled environment (such as an open garage, storerooms and warehouses, etc.)</p> <p>_____ % Outdoors exposed to changing weather conditions (for instance, rain, sun, wind, etc.)</p> <p><u>5</u> % Outdoors but in an enclosed vehicle protected from extreme weather conditions.</p>
<p>4. Other physical working conditions</p> <p><input type="checkbox"/> Mark (X or ✓) if none of the following is applicable.</p> <p>Show what percent of a typical workday this position is exposed to:</p> <p>_____ % Air contamination (i.e., dust, fumes, smoke, toxic conditions, disagreeable odors).</p> <p>_____ % Vibration (i.e., operating jackhammer, impact wrench).</p> <p>_____ % Noise (Exposure at a level enough to cause bearing loss or fatigue).</p> <p>_____ % An improperly illuminated or awkward and confining work space.</p> <p>_____ % Working above ground level where the chance of falling exists (i.e., on ladders, rooftops, bucket trucks, scaffolding).</p> <p>_____ % Lifting or carrying items or objects. Describe item/object and weight:</p> <p>_____</p> <p>_____</p> <p>_____ % Heat. Describe source and degree of high temperature.</p> <p>_____</p> <p>_____</p> <p>_____ % Cold. Describe source and degree of cold temperature:</p> <p>_____</p> <p>_____</p> <p>_____ % Other hazards. Describe:</p> <p>_____</p> <p>_____</p>

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

5. Describe the working conditions that are irregular or unusual for the job and show frequency of exposure.

Mark (X or √) if not applicable.

CONDITION

FREQUENCY OF EXPOSURE

C. Work Schedule/Hours – Mark (√ or X) the most appropriate work schedule/hours for the job.

- Regular – Standard Eight (8) hours daily, Monday – Friday
- Irregular – Shift work – A 24-hour work operation.
- Regular / Irregular – Overtime hours with overtime pay entitlement

State Purpose and Total Hours required per pay period:

- Regular / Irregular – Overtime hours without overtime pay entitlement

State Purpose and Total Hours required per pay period:

The information given on this position is complete and correct.

Signature of Employee

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

VIII. SUPERVISOR'S REVIEW

IMPORTANT: This Block To Be Filled Out Only By The Direct Supervisor

a.	(1)	Has the employee correctly stated his or her official payroll position title? [] Yes [] No
	(2)	If not, what is the correct title? _____
b.	(1)	Are the employee's statements about the duties of his/her position and the supplementary information complete and accurate? [] Yes [] No
	(2)	If not, what additions, deletions or corrections should be made? (Refer to block and page) _____ _____ _____
c.	What positions under your supervision perform the same essential functions Give name and title:	
	Name	Title
	_____ _____ _____	
d.	Does this position require (mark one) [] Immediate supervision on a regular basis, [] Immediate supervision only for new/complex tasks, or [] Little immediate supervision.	
e.	Does the employee participate in (mark those appropriate) the [] Formulation, [] Interpretation, and/or [] Application of Agency/Department policy. Give examples: _____ _____ _____	
f.	The employee (mark one) [] Performs routine, well-defined tasks, [X] Performs moderately complex tasks requiring moderate knowledge of Agency's/Department's work; or [] Performs complex tasks requiring extensive knowledge of Agency's/Department's work.	

I certify to the accuracy of the description of duties, responsibilities and organizational relationships provided herein; further, that the position is necessary to carry out government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes on the use of public funds. The false or misleading statement may constitute violations of such statutes or their implementing regulations.

Signature of Immediate Supervisor

Date

Signature of Department/Agency Head

Date

DocuSign Envelope ID: F1A1EC52-74D3-4909-AC0A-AA83E09FB7EC

IX.

Human Resources Office Review:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

Approved by: _____
Personnel Services Administrator Date

Civil Service Commission Post-Audit:

Date: _____

Reviewed by: _____
Position Title Name

Classification Correct: [] Yes [] No

If not, corrective action taken: (Attach copy of review made)

GM REPORT

Presentation to:

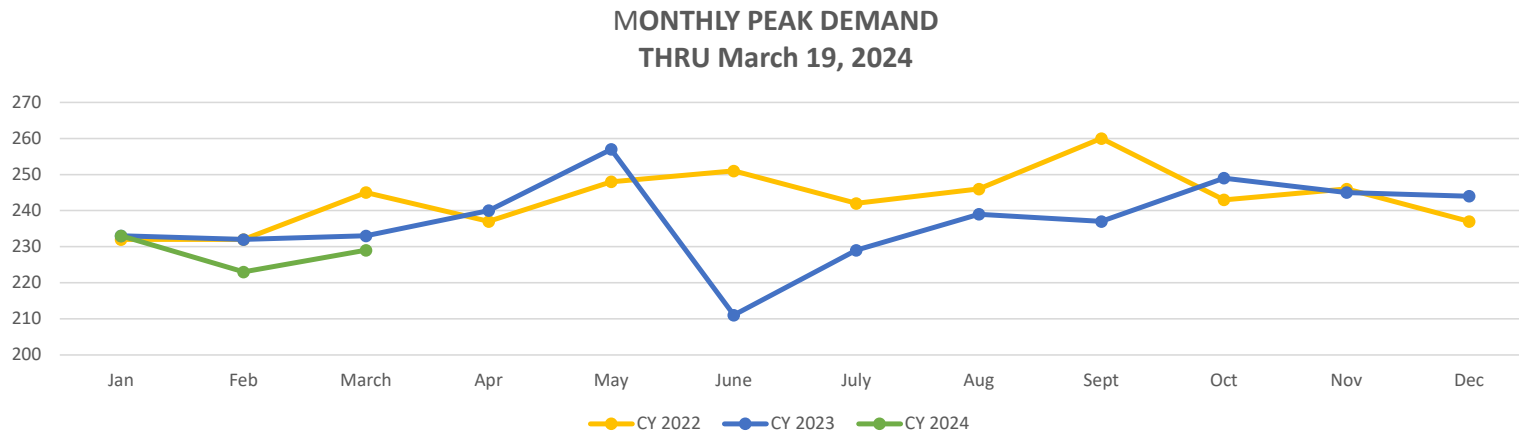
Consolidated Commission on Utilities
GPA Work Session
March 21, 2024

General Manager's Report

1. Reserve Margin Forecast for April 2024:

Targeted Available Capacity:	272 MW (All Baseloads Available)
Projected Demand:	237 MW
Anticipated Reserve Margin:	35 MW
Interruptible Load Availability:	16 MW
Total Reserves:	51 MW

2. System Peak Demand:

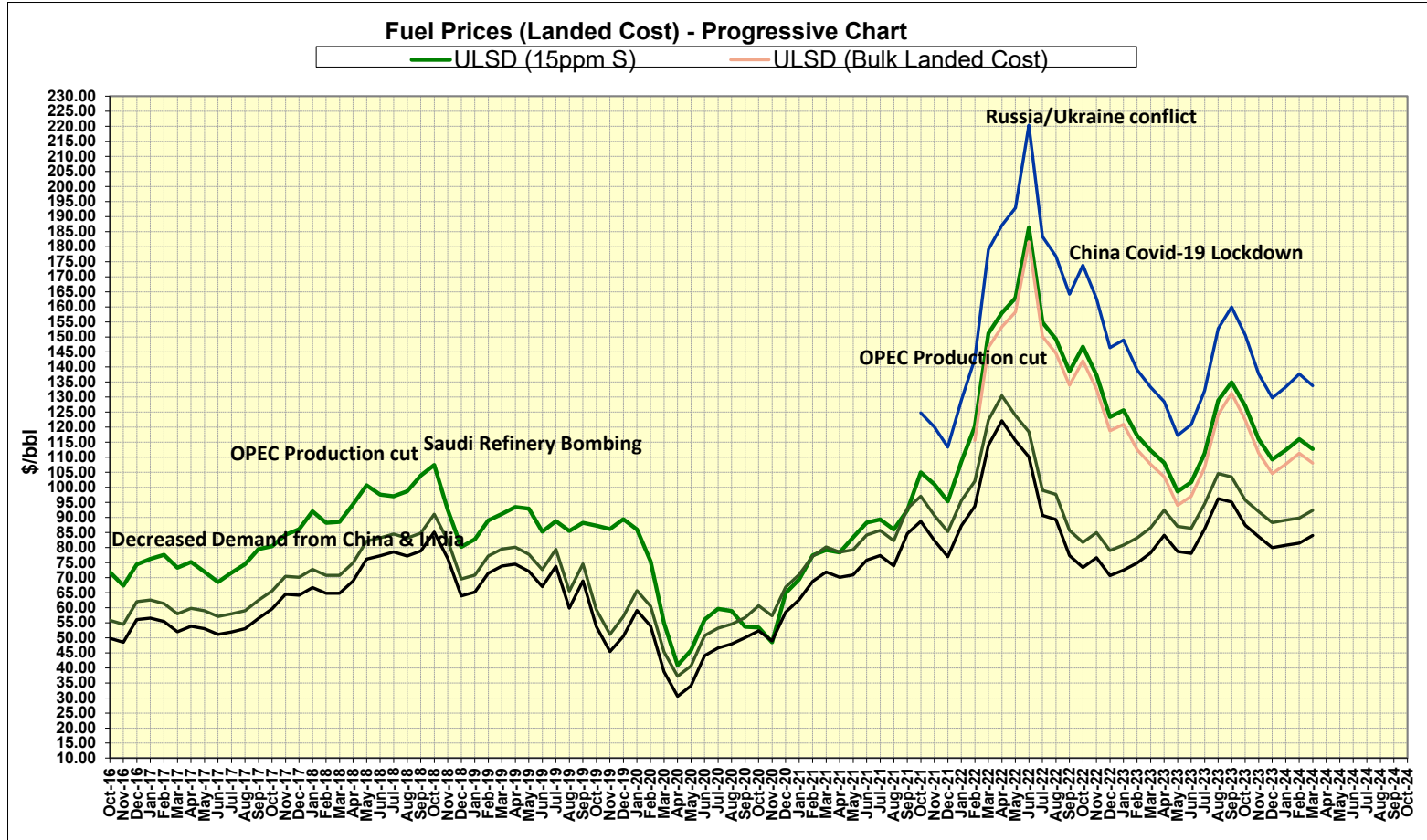


General Manager's Report

3. GPA Fuel Landed Cost (Per Barrel thru 3/15/2024)

ULSRFO 0.2% **\$133.84**

ULSD Bulk **\$108.08**

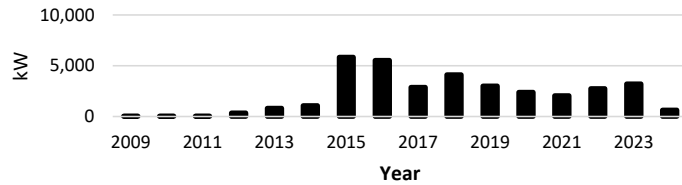


General Manager's Report

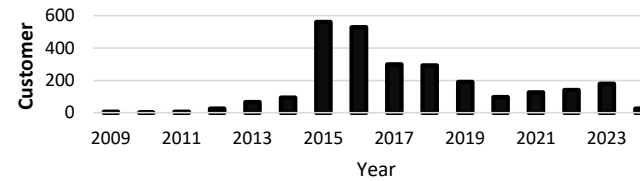
Installed kW by Year		
Year	Total	Cumulative
2009	39	39
2010	39	79
2011	42	120
2012	335	455
2013	808	1,263
2014	1,067	2,330
2015	5,843	8,173
2016	5,531	13,704
2017	2,887	16,591
2018	4,103	20,694
2019	3,002	23,697
2020	2,380	26,077
2021	2,059	28,135
2022	2,749	30,885
2023	3,218	34,103
2024	634	34,737
Grand Total	34,737.05	

Customer Count by Year		
Year	Total	Cumulative
2009	7	7
2010	2	9
2011	6	15
2012	26	41
2013	66	107
2014	93	200
2015	560	760
2016	528	1,288
2017	298	1,586
2018	292	1,878
2019	190	2,068
2020	97	2,165
2021	126	2,291
2022	140	2,431
2023	179	2,610
2024	26	2,636
Grand Total	2,636	

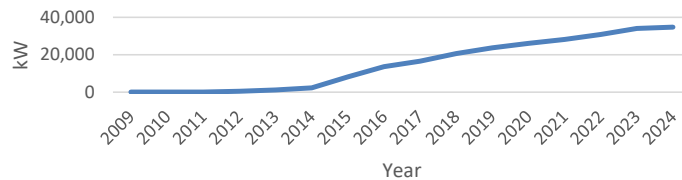
Yearly Installed kW



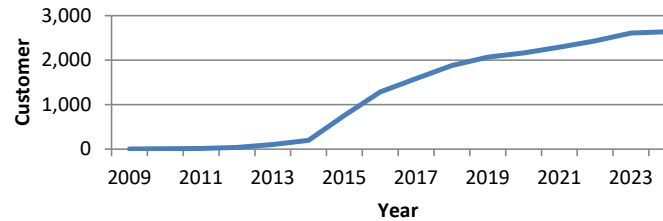
Yearly Connected Customer Count



Cumulative Installed kW



Cumulative Connected Customer Count



General Manager's Report

4. PUC Update:

GPA Docket - Thursday, March 28, 2024 Regular Meeting

- GPA Docket No. 24-15: Petition of the Guam Power Authority to Approve the Award of 20 MW of Temporary Power
 - Passed by the Legislature and signed into law March 8, 2024, Public Law 37-81 - No official copy of public law available online at this time.

Approved Dockets on February 29, 2024:

- GPA Docket No. 24-11: Petition of the Guam Power Authority to Approve the Relocation of the Yigo Diesel Generators;
- GPA Docket No. 24-12: Petition of the Guam Power Authority to Approve One Consecutive Two-Year Extension of Residual Fuel Oil (RFO) No. 6 Supply Contract with Hyundai Corporation;
- GPA Docket No. 24-13: Petition of the Guam Power Authority to Approve Extension of Ultra-Low Sulfur Diesel (ULSD) Storage Lease Agreement with Tristar Terminals Guam, Inc.;
- GPA Docket No. 24-14: Petition of the Guam Power Authority to Approve Procurement of Supply of Ultra-Low Sulfur Diesel (ULSD) for Various Power Generating Plant Site Locations

Dockets Pending PUC Review:

- GPA Docket 24-03, Petition to Review 12 G.C.A. §8502 (c)(2)(B) relative to Net Metering

General Manager's Report

5. Customer Assistance

Prugrãman Ayuda Para I Taotao-Ta Energy Credit

- P.L. 37-66, the fourth extension (January – March 2024) to the Energy Credit Program was signed on into law on February 26, 2024.
- GPA received \$5.27 million on March 5, 2024 and \$100 credit for January 2024 has been applied to all active accounts.

Guam Homeowner Assistance Fund Program (HAF)

- *The Department of Administration's Homeowner Assistance Fund, federally funded by the American Rescue Act (ARPA) to support homeowners experiencing hardship as a result of the COVID-19 pandemic, is now closed.*
- *All financial assistance provided by the U.S. Treasury for the program has been expended.*
- *Effective January 31, 2024, the application period ended, and the application portal permanently closed.*

Emergency Rental Assistance (ERA) Program

- \$118,130.92 was applied to qualified ratepayer accounts in the month of February 2024, totaling \$6,775,644.95 since program inception. [Batches 294 – 297]

General Manager's Report

6. Customer Engagement, Community Outreach & Notable Events

- Latest GPA news and updates on projects, energy-saving tips, assistance, Clean Energy Master Plan etc., is broadcasted through print and e-newsletters, social media, advertisements, post on GPA website, and outreach events.
- “GPA Requests \$6 Billion from FEMA for Guam Infrastructure Resiliency Plan” release on February 19, 2024.
- February 19-25, 2024, Washington DC Re: Funding Support and Partnering Opportunities to Improve the IWPS Resiliency and Readiness
- Met with **Congressman Moylan** along with representatives from the following offices:
 - **Hon. Brendan Owens**, Assistant Secretary of Defense – Energy, Installations, and Environment, Pentagon
 - **Elise Krekorian**, Counsel, House Committee on Energy & Commerce. Subcommittee on Energy & Environment
 - **William (Will) Burns**, Legislative Assistant, Congressman
 - **Jay Obernolte** (CA 23rd Dist), Committee on Energy & Commerce; Subcommittees: Communications & Technology; Health; Environment, Manufacturing & Critical Materials
 - **Arthur Speck III**, Senior Legislative Assistant, Congressman Randy Weber (TX 14th Dist), Committees on Energy & Commerce; and Science, Space & Technology
 - **Austin Bray**, Legislative Assistant, Congressman Ryan Zinke (MT 1st Dist), Committee on Appropriations Subcommittees: Interior, Environment, and Related Agencies; Military Construction, Veterans Affairs and Related Agencies; and Transportation, Housing and Urban Development, and Related Agencies, US Joint Commission on China
- March 13 and 14 – GPA Employee Briefings, Authority-wide



GPA Requests \$6 Billion from FEMA for Guam Infrastructure Resiliency Plan
Funds to support efforts to strengthen Guam's Island-Wide Power System and place power lines underground

General Manager's Report

6. Customer Engagement & Community Outreach (continued)

- School Outreach: **F.B. Leon Guerrero Middle School Science Expo (February 21, 2024).**
 - GPA participated in the science expo by demonstrating its Renewable Energy STEM kits and illustrating and explaining safety and electricity with middle school students.
 - SPORD Engineer III Victor Torres discussed the different types of renewable energy and demonstrated how renewable energy works using the solar and wind STEM Kits.
 - T&D Lineman Electrician II Damon Hocog discussed the importance of personal protective devices (PPEs) when working with electricity. Students were reminded not to approach power lines, and to report down lines to GPA and always practice safety when handling their electronic devices. Equipped with his safety gear, Damon showcased a hot dog experiment and demonstrated the affects of electrical current on a person's skin.
 - Communications personnel discussed energy-efficiency, power conservation tips along with the "Beat the Peak" campaign.
 - A total of approximately 450 students consisting of grades 6th through 8th.



General Manager's Report

Workforce Succession & Planning Updates



APPRENTICE

*5th Cycle – Completed
Oct 2023*

*6th Cycle – Completion
Oct 2024*

*7th Cycle – Onboarding
April 2024*



INTERNSHIP

*Extended Terms and
Internship Areas*

- Cybersecurity*
- Human Resources*
- Finance*
- Engineering*

UOG Partnership in progress



IN-HOUSE TRAINING

*1st cycle – Trainees complete
in year 2;
Completion
Mar 2025*

*2nd cycle – Recruitment in
progress*

General Manager's Report

7. DSM Online Report – February 2024

OVERALL COUNTS

Month	ALL			COMMERCIAL			RESIDENTIAL		
	Applications	Equipment	Rebates	Applications	Equipment	Rebates	Applications	Equipment	Rebates
FY-2022*	696	981	\$ 195,675	7	12	\$ 1,950	689	969	\$ 193,725
FY-2023	5,721	7,990	\$ 1,618,250	67	101	\$ 19,350	5,654	7,889	\$ 1,598,900
Oct-23	416	572	\$ 115,125	7	12	\$ 1,800	409	560	\$ 113,325
Nov-23	450	654	\$ 129,875	4	5	\$ 700	446	649	\$ 129,175
Dec-23	389	558	\$ 112,050	7	10	\$ 1,950	382	548	\$ 110,100
Jan-24	442	607	\$ 125,850	3	3	\$ 2,000	439	604	\$ 123,850
Feb-24	321	461	\$ 102,200	6	8	\$ 5,800	315	453	\$ 96,400
Mar-24									
Apr-24									
May-24									
Jun-24									
Jul-24									
Aug-24									
Sep-24									
TOTAL	8,435	11,823	\$ 2,399,025	101	151	\$ 33,550	8,334	11,672	\$ 2,365,475

AVERAGES

Month	ALL		COMMERCIAL		RESIDENTIAL	
	Applications	Equipment	Applications	Equipment	Applications	Equipment
As of Feb-24	\$ 284	\$ 203	\$ 332	\$ 222	\$ 284	\$ 203

* DSM Online went live on 8/17/22. FY2022 Figures are from 8/17/2022 to 9/30/2022 only.
 Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.
 Paper applications are NOT INCLUDED with these counts.

General Manager's Report

8. New Power Plant Update: GPA Activities

Completed:

- ECA Amendment: Signed on March 17, 2021.
- Resolution on Section 106 process between Navy/SHPO/GPA (cultural process)
- Archaeological Inventory Survey of Ukudu Site
- Cultural Survey for boring scope fuel/water/power project areas (outside of plant)
- Baseline noise study for Piti 41 MW diesel generator plant site.
- Water Supply and Discharge Agreement signed.
- Approval of research design for boring of proposed site in Piti for diesel generator relocation
- Approval of Archaeological Monitoring & Discovery Plan for pipeline construction
- Public Law 36-91 was signed on 4/11/22 for exemption of construction of Reserve Facility in Piti.
- GHPO Concurrence of Section 106 of the bull cart trails
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- Geotechnical boring test report at the Piti site completed.
- GPA approves remaining Phase 5 & 6 construction permits.
- GPA obtains MEC specialist for construction support at Nimitz allowing excavation to resume on Nov. 1, 2022
- GPA obtains easement to avoid Chaot river area near Route 4 in Sinajana for pipeline construction.
- GPA provides notice to Navy of work starting on the bullcart trails along the pipeline route after Navy NEPA process.
- GPA obtains signage requirements for bullcart trails from Navy.
- CCU officially approves cancellation of Reserve Facility.
- Governor visits plant site on Feb. 2, 2023
- GPA obtains GEPA approval for Land Use Control Work Plan.
- GPA met with Mayor Paco and Mayor Sarvares to coordinate bullcart excavation in Harmon and Mongmong-Toto-Maite.
- PUC officially approves cancellation of Reserve Facility.
- GPA reviewed GUP's proposed pipeline construction plan for the Nimitz Hill Steep Section and provided comments to contractor.
- GPA received overview of commissioning plan from GUP commissioning team on Apr. 12, 2023.
- GPA obtains CCU approval for LNG Phase I pending PUC approval
- GPA met with GUP/DUP on Jun 7th, 2023 to discuss the impact of Typhoon Mawar and the actions required to mitigate the damage.
- GPA restored power to Ukudu Power Plant on Jun. 8, 2023.
- Resolved fuel supply configuration issue with GUP on Oct. 24, 2023.
- **GPA and GUP reached an agreement on Dec. 6th, 2023 to establish the new Required Commercial Operation Date (RCOD) for Sep. 30th, 2025.**

General Manager's Report

8. New Power Plant Update: GPA Activities (continued)

Ongoing / Pending:

- Archaeological & Cultural Requirements:
 - ✓ Archaeological monitoring for pipeline construction work (Chaot & Nimitz areas).
 - ✓ Archaeological monitoring is nearly completed for all required areas.
 - ✓ Archaeological monitoring is completed for all pipeline work. GPA assessing if further monitoring is required in additional areas.
- Water & Wastewater Requirements:
 - ✓ Change of Law issues due to update GWA NPDES permit affecting discharge of wastewater from cooling system. Follow-up with GWA on the NPDES permit modification.
- Construction Permit & Drawing Reviews:
 - ✓ Interconnection and pipeline design documents are being reviewed for approval.
- Reserve Facility:
 - ✓ Reviewing draft ECA amendment provided by GUP
- Other:
 - ✓ Monthly project reviews including Project Schedule.
 - ✓ Weekly meetings on contract items and ongoing construction activities and pending issues
 - ✓ Coordination with Navy on excavation activities for pipeline construction
 - ✓ Coordination with GUP/DUP on construction activities within Harmon Substation
 - ✓ GPA preparing response to GUP force majeure claim.
 - ✓ GPA is reviewing GUP's proposal to change fuel pump configuration.
 - ✓ GPA is assisting DUP with work within Harmon Substation
 - ✓ GPA work includes installation of line guards, outage coordination, providing materials, stringing transmission lines, etc.
 - ✓ GPA T&D has begun weekend work to string transmission lines from Harmon Substation to the Ukudu AIS.
 - ✓ GPA reviewing draft ECA amendment submitted by GUP.

General Manager's Report

8. New Power Plant Update: GUP Activities (Contractor)

Typhoon Mawar Restoration:

- DUP structural engineer arrived on island Jun. 7th, 2023 to perform damage assessment.
- Switchgear and HRSG technical advisors arrived on island on Jun. 8th, 2023 to assess extent of the damage.
- GUP is requesting for a 14.5 month extension to the required Commercial Operation Date.
- GUP reviewing treated water tank demolition plan.
- Completed demolition of fire-water tank.
- GUP finalizing decision for MV switchgear repair/replacement.
- Demolition of all damaged ULSD and treated water tanks are completed. DUP has resumed vertical welding of tank walls.
- **3 levels of steel walls are in place for the treated water tanks. The 4th level of steel walls is currently being installed for both ULSD tanks.**

Completed:

- EPC Contract - Doosan
- Height Variance for Ukudu Site
- Financing Contracts Signed - Equity Bridge Loan in place. Senior loan requires air permit and land lease legislation for funds drawdown.
- Down payment to Siemens to secure Turbine Order (long lead item)
- Survey Maps for land lease recorded at Dept. of Land Management
- Phase I for Ukudu Plant construction permit approved. Foundation work is ongoing.
- GUP issues Notice to Proceed to EPC on May 31, 2022.
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- GEPA approves and issues Ukudu Air Permit on 7/20/22 during construction ground breaking ceremony.
- KEPCO/GUP achieves financial close on September 30, 2022.
- Obtained DPW heavy haul permit on Feb. 3, 2023
- Delivered letter to GPA for review requesting additional compensation for increased costs and delays.
- Completed all heavy haul transports on Apr. 24th, 2023.
- Obtained permit approval for reuse water pipeline installation from DPW and GEPA.
- Concrete work completed for median restoration.
- Conducted monthly cybersecurity meeting to discuss NERC compliance with GPA Oct. 6, 2023
- GUP/DUP presented Route 16 work plan to DPW on Nov. 2nd, 2023.
- GUP/DUP submitted complete package requested by DPW for the Route 16 permit on Dec. 13, 2023.
- GUP/DUP acquired encroachment permit from DPW to begin work along Route 16. Construction began on Jan. 26th, 2024
- **GUP submitted draft ECA amendment on Feb. 8th, 2024 for lenders and GPA review**

Typhoon Bolaven:

- Site was not affected by the typhoon and equipment was well preserved.

General Manager's Report

8. New Power Plant Update: GUP Activities (Contractor) continued

Ongoing / Pending: *(continued)*

Construction

- Power Plant - All 6 phases of plant building construction permits were issued by Oct. 2022.
- Pipeline -
 - Construction of above-ground pipeline pedestals is ongoing
 - Excavation has started on Route 34..
 - Began construction on Route 16 on Jan. 26,2024
 - Excavation began near the Barrigada Post Office on Feb. 12, 2024.
 - GUP/DUP is working with DPW to acquire encroachment permits for the remaining segments of Route 16.

Transmission Line

- Design and material specifications under review.
- Anticipating construction early 2023 pending permit approval.
- Cleared area between Harmon Substation and Ukudu Plant for new transmission lines.
- Pole foundation work is completed within Harmon Substation.
- Installation of transmission line between Harmon Substation and Ukudu Plant is ongoing.

Existing Pipeline Cleaning & Demolition

- GPA continues to work with GEPA on a Land Use Control document regarding Route 16 (Airport) to Route 34 abandonment plan.

Reserve Facility

- Provided draft ECA amendment to GPA.

Schedule Update

- GUP submitted updated schedule on Sep. 13, 2023 with a Jan, 2026 Commercial Operation Date
- GUP submitted "accelerated" schedule on Sep. 13, 2023 with a Sep, 2025 Commercial Operation Date
 - GPA is reviewing GUP's \$12 million dollar request to accelerate schedule
 - The new COD has been determined by GPA and GUP. Pending ECA amendment and approvals from CCU & PUC.

Transportation Logistics

- EPC continues to work with DPW on transport plan from Port to Ukudu site.
- Bridge analysis dictating required transport equipment.
- Temporary bridge delivered as required by DPW as backup for any bridge damage due to limited alternate routes in some areas.
- Transportation will take several hours over several days to move HRSG modules and will affect traffic during movement.
- Weekly meetings being held to discuss plans and requirements.
- 25 heavy cargo movements expected thru April 2023
- Demonstration of the Self-Propelled Modular Transporter (SPMT) was provided to DPW, GUP, DUP and GPA representatives on Oct. 27 at the Port.
- First heavy cargo shipment arrived on Guam on Nov. 2 which contains the 12 HRSG modules. It is being stored at the Port.
- Doosan team has hired media group to provide public outreach.
- Heavy haul transportation ongoing. First transport began Feb 4th.
- Painting of newly constructed medians is completed.

General Manager's Report

Ukudu Power Plant Construction Status

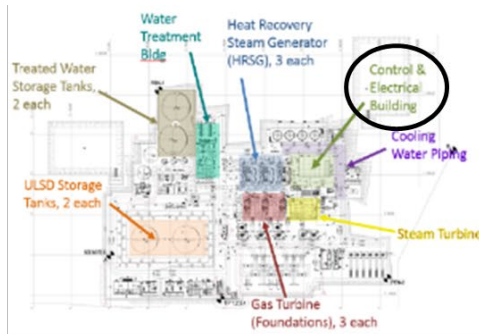
Plant construction progresses steadily. Major completed work includes: BESS civil work, HP & IP Feed Water Pump Foundation, and Painting Work in the Switchyard Control Building. Ongoing work includes: Main stack installation for HRSG 1-3, installation of main firefighting piping ring, and transmission line installation from the Harmon AIS to Ukudu.

Actual accumulated progress including Engineering, Procurement, and Construction: **82.61%**



General Manager's Report

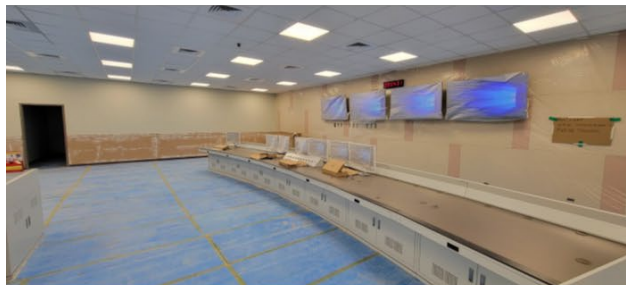
Ukudu Power Plant Construction Status



Control & Electrical Building



Control Room – Workstations are in place



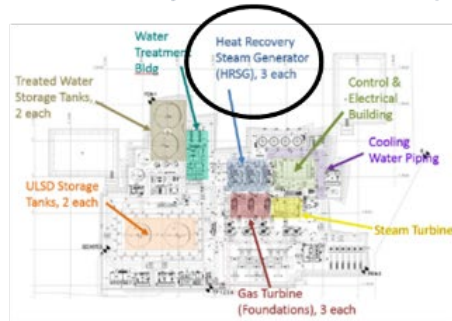
MV Switchgear Area



General Manager's Report

Ukudu Power Plant Construction Status

Heat Recovery Steam Generator (HRSG)



HP/IP Feedwater Pump Foundation work is ongoing between HRSG #1 and HRSG #2



HRSG 1-3: Steel Structure & Drum Installation Work is ongoing

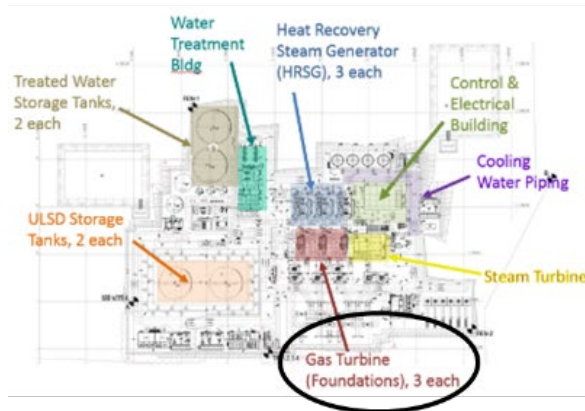


Piping installation is ongoing below HRSG #3



General Manager's Report

Ukudu Power Plant Construction Status **Gas Turbines & Generators**

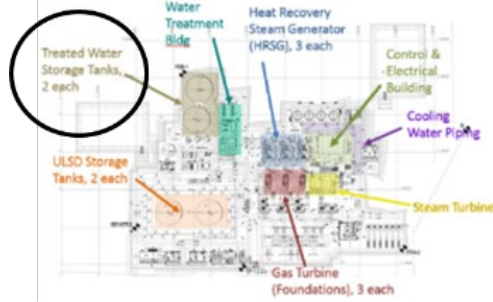


GTG Building – Air intake and piping installation is in progress



General Manager's Report

Ukudu Power Plant Construction Status



Treated Water Storage Tanks – 3 levels of steel walls are in place for both tanks



Fire Fighting Tanks – Internal work is ongoing. Preparing for roof installation.

