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RECEIVED
JUN 10 2021
Public Utilities Commission
GUAM

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF: GUAM POWER AUTHORITY LEVELIZED ENERGY ADJUSTMENT CLAUSE (LEAC)	**GPA DOCKET NO. 21-14** **LEAC FILING**

COMES NOW, the GUAM POWER AUTHORITY (GPA), by and through its counsel of record, D. GRAHAM BOTHA, ESQ., and hereby files GPA's LEAC petition to adjust the current LEAC factor effective August 1, 2021. Guam Power Authority is requesting to increase the Fuel Recovery Factor from $.11000/kWh to $.167564/kWh effective for meters read on or after August 1, 2021. The change reflects a 28.13% increase in the LEAC factor and a $57.56 increase for a residential customer utilizing an average of 1,000 kilowatt hours per month. In addition, there is a forecast of the Working Capital Fund Requirement to stay the same, so there will not be a change in the Working Capital surcharge for the period August 1, 2021 through January 31, 2022.

The basis for the LEAC filing is due primarily to the continuing increase in worldwide fuel prices. GPA believes that the market will increase to the $77.36/bbl. range during the period. The projected under-recovery is expected to be approximately $7.5M by January 31, 2022, after the application of $10M from the self-insurance fund and $5M from GPA's capital improvement budget. Upon drawdown of the self-insurance fund, the self-insurance surcharge will activate to restore the self-insurance fund. The billing illustrations in Attachment VII show the effect of no change in the Fuel Recovery Factor on customers.

The LEAC worksheets are attached herein as Exhibit "A", and incorporated by reference. Pursuant to the PUC Order of November 10, 2008, the Line Loss Reports are now filed as part of

the LEAC Report. The Line Loss Report for December 2020 to May 2021consists of a Progress Report, Gross Generation/Sales/Line Losses, Monthly Progress Report on Distribution System Improvements, and Feeder Analysis Summary are attached herein as Exhibit "B", and incorporated by reference herein as if fully set forth.

CONCLUSION

The PUC should approve GPA's request for an adjustment to the Fuel Recovery Factor from $.11000/kWh to $.167564/kWh effective August 1, 2021, as it is reasonable, prudent, and necessary.

RESPECTFULLY SUBMITTED this 10th day of June, 2021.

D. Graham Botha, Esq.
GPA General Counsel

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
P.O. Box 2977 Hagatna, Guam 96932 | (671) 648-3002 | guamccu.org

RESOLUTION NO.: 2021 - 12

AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE GUAM PUBLIC UTILITIES COMMISSION FOR A CHANGE IN THE LEVELIZED ENERGY ADJUSTMENT CLAUSE

WHEREAS, the Guam Public Utilities Commission (GPUC) has established a Tariff under which the Guam Power Authority (GPA) is allowed to recover its fuel costs and fuel related costs under a factor which is reset and trued up every (6) six months through the Levelized Energy Adjustment Clause (LEAC); and

WHEREAS, the deadline for the next filing is July 15, 2021; and

WHEREAS, for the LEAC period covered from February 1, 2020 through July 31, 2020, GPA requested and was approved for an adjustment to the LEAC rate of $0.134474/kWh that was approved for meters read on or after February 1, 2020 in anticipation of projected declining prices of black oil in the fuel market and to recover the under-recovery balance of fuel cost at the end of the period. At the time of the original filing, the average projected cost for black oil and diesel was $62.05/bbl; and

WHEREAS, on March 24, 2020, GPA filed for an Interim LEAC Factor of $0.110039/kWh as the projected price of diesel dropped about $24/bbl bringing the average projected cost for both types of fuel down to $56.73/bbl. The interim LEAC factor was approved for meters read on or after April 1, 2020; and

WHEREAS, in May 2020, the Interim LEAC Factor of $0.086800/kWh effective June 1, 2020, as ordered by the Public Utilities Commission, included the additional rate of $0.003109/kWh establishing the funding source for the Demand Side Management (DSM)

Program that would provide roughly $1.5M for a six-month period. Total revenues collected for the DSM Program between the five-month period of June through October 2020 is $1.6M, or an average of $320 thousand per month; and

WHEREAS, for the regular biannual LEAC period of August 1, 2020 thru January 31, 2021, the Public Utilities Commission ordered to maintain the Interim LEAC Factor of $0.086800/kWh and the rates for the alternative voltage levels effective June 1, 2020, including the imbedded rate of $0.003109/kWh for the Demand Side Management (DSM) Program; and

WHEREAS, for the regular biannual LEAC period of January 31, 2021 thru August 31, 2021, the Public Utilities Commission ordered the Interim LEAC Factor of $0.11000/kWh and the rates for the alternative voltage levels effective June 1, 2020, including the imbedded rate of $0.003109/kWh for the Demand Side Management (DSM) Program; and

WHEREAS, due to the increases in fuel prices, the PUC authorized the withdrawal of $10 million from self insurance fund and application of $5 million from GPA capital budget to offset the increases in under recovery of LEAC; and

WHEREAS, the average market price of residual fuel oil and diesel used in the initial filing for the current period was approved at $53.82/bbl for the (6) six-month period ending January 31, 2021, the current projection for the same period is $68.62/bbl. The projected average price of residual fuel oil and diesel for the period ending January 31, 2022 is expected to reach $77.36/bbl; and

WHEREAS, the most recent Morgan Stanley market projections indicate steady black oil fuel prices and steady diesel prices. The projected under-recovery for the period ending January 31, 2022 at the proposed LEAC rate of $.167564/kWh is $7.5M after the application of $10 million from self-insurance fund and from GPA's $5 million capital budget ; and

WHEREAS, GPA proposes a gradual true up of fuel cost by increasing the LEAC rate to recover 50% of the total projected under recovery from $0.11000/kWh to $0.167564/kWh or a 28.13% increase in a 1,000 kWh bill for secondary voltage customers for the periods of August 1, 2021 through January 31, 2022; and

WHEREAS, an estimated $1.5 million is included for costs associated with the Demand Side Management rebate program for the anticipated LEAC period; and

WHEREAS, GPA now is requesting the Consolidated Commission on Utilities to authorize the Authority to file such petition with the Guam Public Utilities Commission; and

NOW, THEREFORE BE IT RESOLVED, by the Consolidated Commission on Utilities as follows:

The General Manager of the Guam Power Authority is authorized to petition the Guam Public Utilities Commission for the proposed secondary voltage LEAC rate of $0.167564/kWh effective for the period from August 1, 2021 to January 31, 2022. (LEAC factors for alternative voltage levels are as reflected in the attached spreadsheets in the attached Exhibit A.)

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 25th DAY OF MAY 2021

Certified by:	Attested by:
JOSEPH T. DUENAS	**MICHAEL T. LIMTIACO**
Chairperson	Secretary
Consolidated Commission on Utilities	Consolidated Commission on Utilities

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

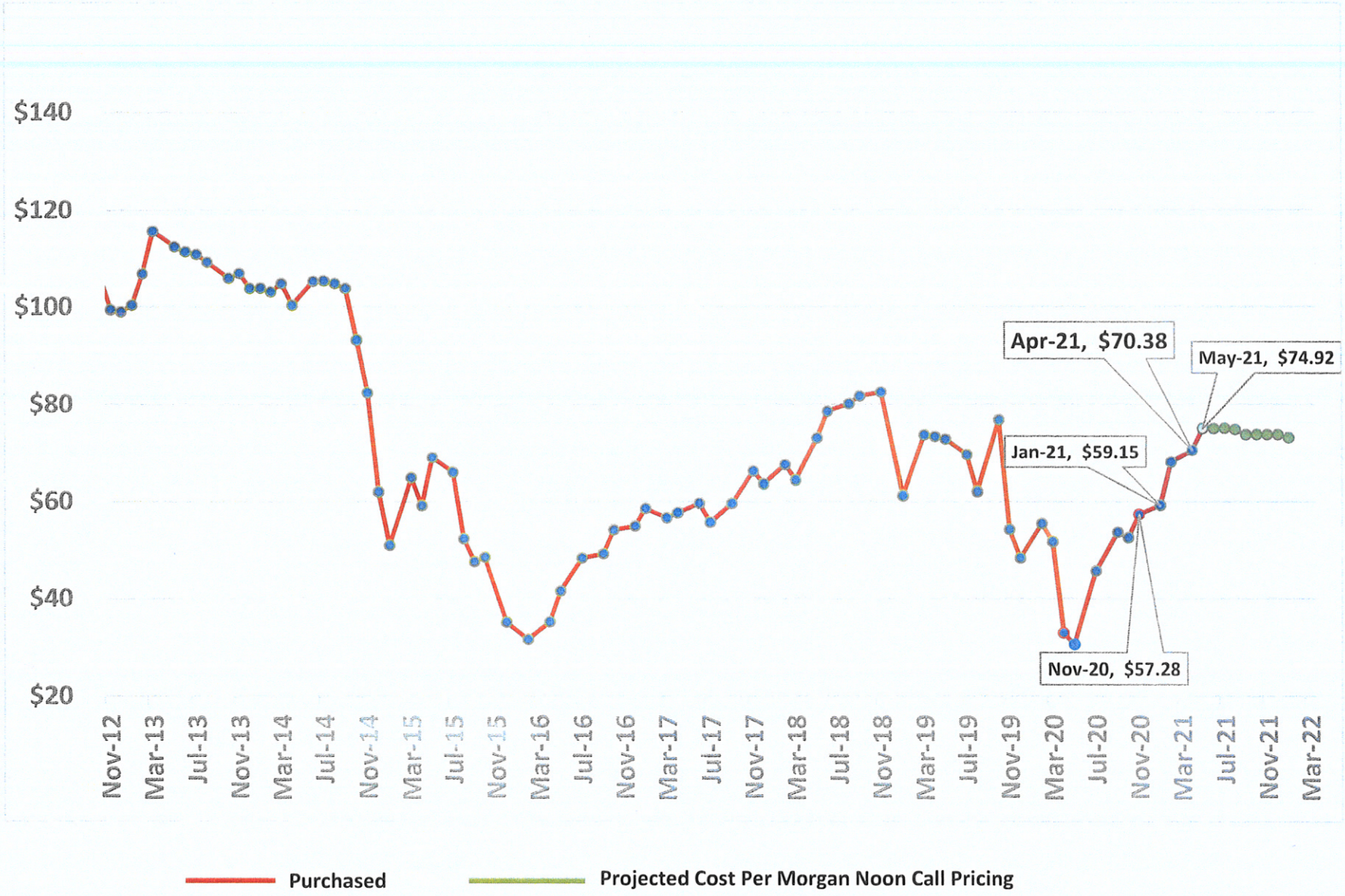
The foregoing is a full, true and correct copy of the resolution duly adopted at a regular meeting by the members of the Guam CCU, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

Ayes: 4
Nays: Ø
Abstentions: Ø
Absent: 1

GPA
Proposed LEAC Rate ($000)

	7.5M Under Recovery as of 01.31.22
	MS Pricing 05.06.21 to 05.12.21 Aug 21- Jan 22
Average Price per Bbl-RFO	$ 75.14
Average Price per Bbl-Diesel	$ 83.93
Number 6 (HSFO/LSFO)	$ 76,604
Number 2 (Diesel)	29,011
Renewable (Solar)	4,407
TOTAL COST	$ 110,022
Handling Costs	6,453
Total Current Fuel Expense	$ 116,476
Civilian Allocation	80.328%
LEAC Current Fuel Expense	$ 93,563
Estimated DSM for this period	$ 1,500
Deferred Fuel Expense at the beginning of the period	15,379
Total LEAC Expense	$ 110,442
Less: Trans. Level Costs	(5,426)
Distribution Level Costs	$ 105,017
Over recovery/(Under) at the end of the period	$ (7,500)
Adjusted Distribution Level Costs	$ 97,517
Distribution Level Sales (mWh)	581,966
LEAC Factor Distribution	0.167564
Current LEAC Factor Distribution	0.110000
Increase/(Decrease)	0.05756
Monthly Increase/(Decrease) - 1000 kWh	$ 57.56
% Increase/(Decrease) in LEAC	52.33%
% Increase/(Decrease) in Total Bill	28.13%
Discount (3%) - Primary 13.8 KV	$ 0.162554
Discount (4%) - 34.5 KV	$ 0.162086
Discount (5%) - 115 KV	$ 0.160091

LEAC Update - GPA RFO Purchases (Per Barrel)



LEAC Update - Morgan Stanley Asian Morning Call

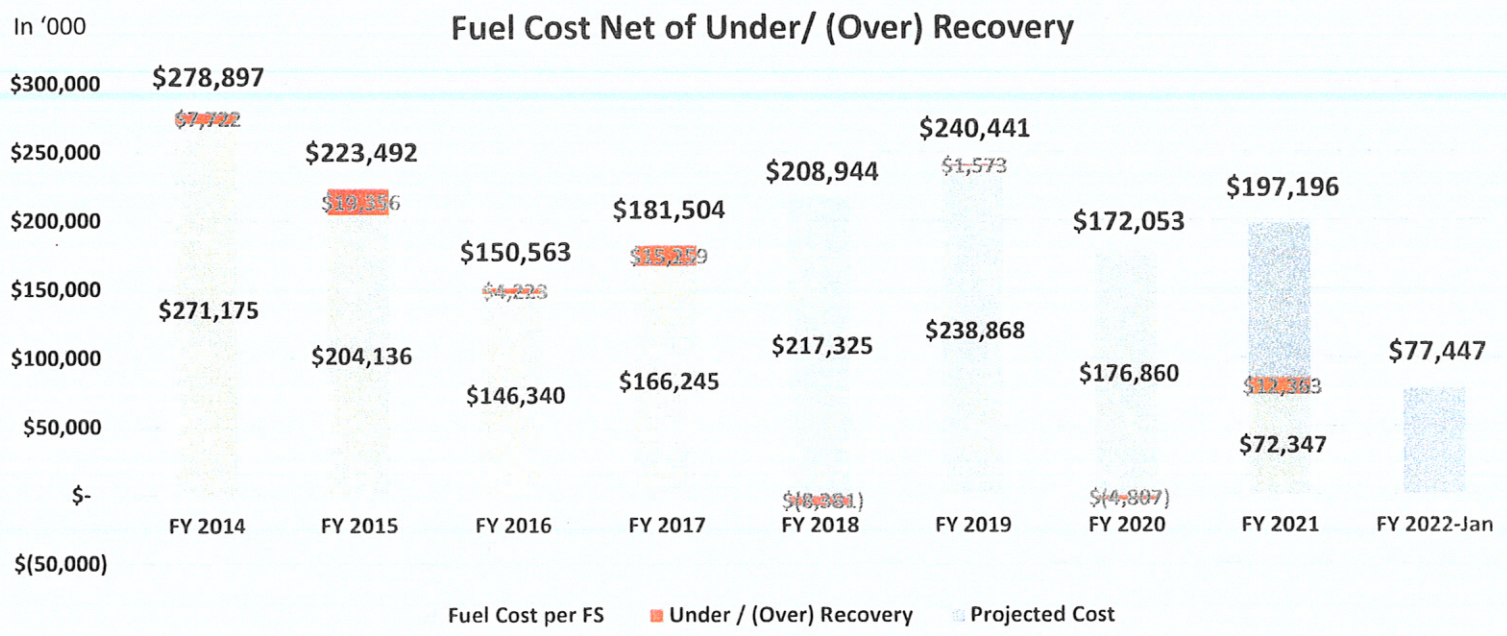
Sing HSFO 180 CST

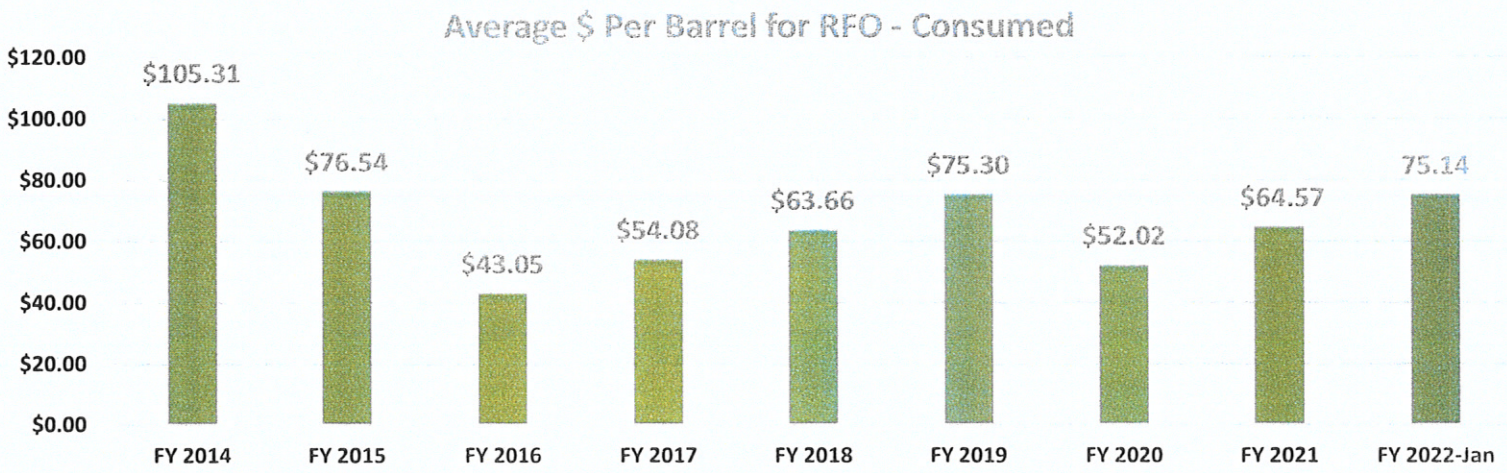
Date	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
5/6/2021	$ 394.03	$ 393.53	$ 393.03	$ 391.03	$ 390.70	$ 382.12	$ 382.12	$ 382.12	$ 376.70
5/7/2021	$ 390.87	$ 390.87	$ 390.62	$ 388.62	$ 388.37	$ 380.62	$ 380.62	$ 380.62	$ 376.04
5/10/2021	$ 388.17	$ 388.17	$ 388.67	$ 387.17	$ 386.92	$ 380.42	$ 380.42	$ 380.42	$ 376.59
5/11/2021	$ 384.23	$ 384.73	$ 385.73	$ 384.98	$ 384.65	$ 379.06	$ 379.06	$ 379.06	$ 375.90
5/12/2021	$ 386.14	$ 386.64	$ 387.64	$ 386.89	$ 386.56	$ 380.97	$ 380.97	$ 380.97	$ 377.81
Five-day average	$ 388.69	$ 388.79	$ 389.14	$ 387.74	$ 387.44	$ 380.64	$ 380.64	$ 380.64	$ 376.61

Gassoil 10ppm

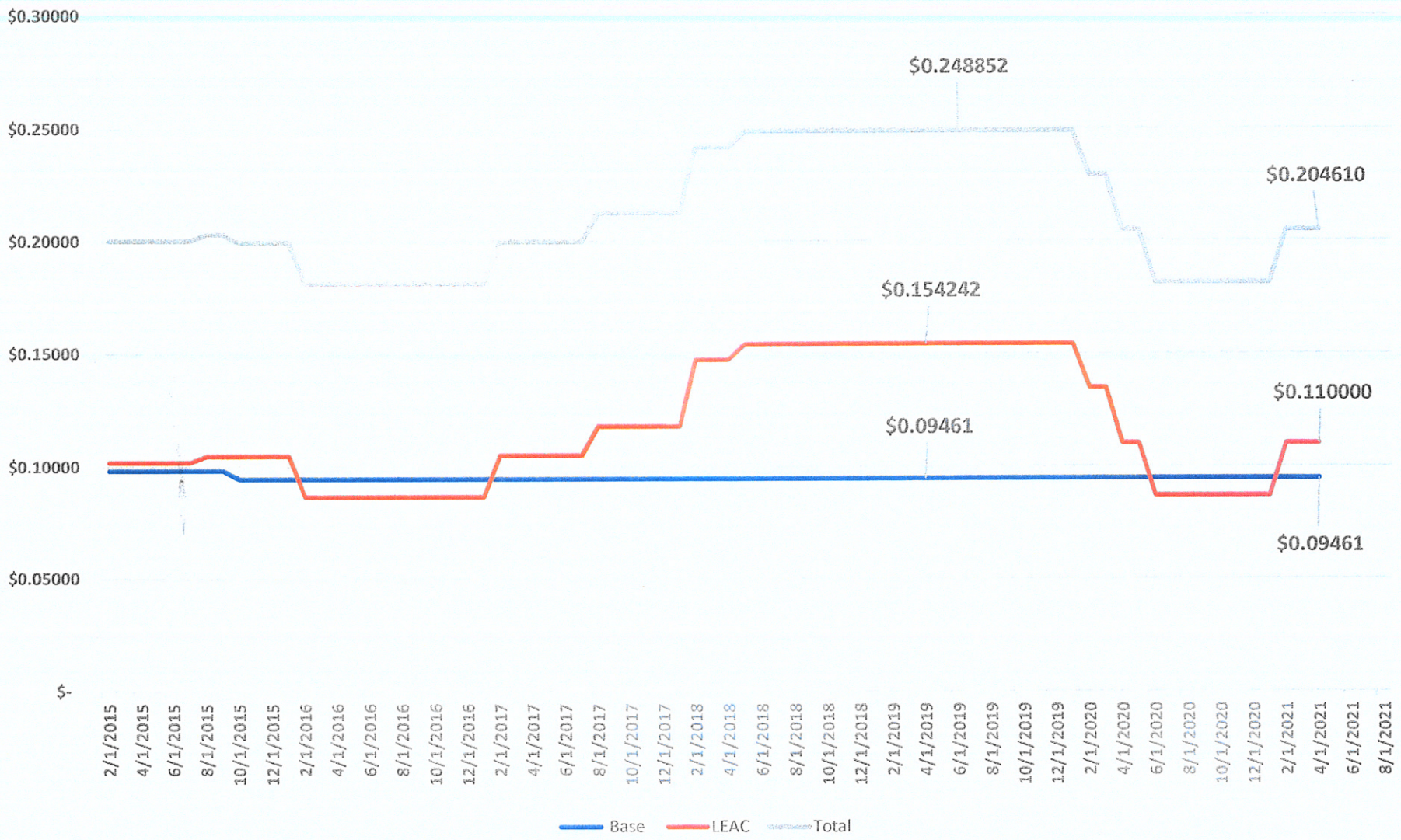
5/6/2021	$ 74.06	$ 74.10	$ 74.11	$ 74.11	$ 74.09	$ 73.75	$ 73.75	$ 73.75	$ 73.27
5/7/2021	$ 73.30	$ 73.45	$ 73.46	$ 73.47	$ 73.46	$ 73.14	$ 73.14	$ 73.14	$ 72.73
5/10/2021	$ 73.89	$ 74.04	$ 74.06	$ 74.05	$ 74.05	$ 73.69	$ 73.69	$ 73.69	$ 73.25
5/11/2021	$ 73.37	$ 73.41	$ 73.41	$ 73.40	$ 73.39	$ 73.06	$ 73.06	$ 73.06	$ 72.59
5/12/2021	$ 74.56	$ 74.51	$ 74.45	$ 74.39	$ 74.39	$ 74.00	$ 74.00	$ 74.00	$ 73.48
Five-day average	$ 73.84	$ 73.90	$ 73.90	$ 73.89	$ 73.88	$ 73.53	$ 73.53	$ 73.53	$ 73.06

LEAC Update - Fuel Cost by Fiscal Year





LEAC Update - Historical Residential LEAC Rate



LEAC Update - Historical LEAC Over / (Under) Recovery

LEAC Period From	LEAC Period To	Approved LEAC Rate	Actual Over (Under) Recovery	
4/1/2012	7/31/2012	$ 0.192310	$ (3,040,418)	
8/1/2012	1/31/2013	$ 0.186834	$ (2,494,052)	
2/1/2013	7/31/2013	$ 0.209271	$ 1,345,259	
8/1/2013	10/31/2013	$ 0.182054	$ 1,300,093	
2/1/2014	7/31/2014	$ 0.172986	$ (1,137,034)	
8/1/2014	10/31/2014	$ 0.176441	$ (4,646,872)	
11/1/2014	1/31/2015	$ 0.146666	$ 661,428	
2/1/2015	7/31/2015	$ 0.102054	$ 1,757,878	
8/1/2015	1/31/2016	$ 0.104871	$ (2,467,151)	
2/1/2016	7/31/2016	$ 0.086613	$ (2,668,603)	
8/1/2016	1/31/2017	$ 0.086613	$ (9,915,360)	
			$ (5,315,360)	(a)
2/1/2017	7/31/2017	$ 0.105051	$ (14,050,504)	
8/1/2017	01/31/1018	$ 0.117718	$ (16,775,982)	
2/1/2018	4/30/2018	$ 0.147266	$ (13,005,689)	
5/1/2018	7/31/2018	$ 0.154242	$ (8,422,674)	
8/1/2018	1/31/2019	$ 0.154242	$ (13,336,698)	
2/1/2019	7/31/2019	$ 0.154242	$ (10,225,349)	
8/1/2019	1/31/2020	$ 0.154242	$ (2,193,618)	
2/1/2020	3/31/2020	$ 0.134474	$ (1,803,778)	
4/1/2020	5/31/2020	$ 0.110039	$ (2,981,023)	
6/1/2020	7/31/2020	$ 0.086800	$ (3,563,177)	
8/1/2020	1/31/2021	$ 0.086800	$ (13,230,995)	
2/1/2021	7/31/2021	$ 0.110000	$ (30,379,234)	Estimated (b)

Notes:

(a) Under-recovery Balance after applying the $4.6 million from the Cabras 3&4 Extra Expense claim

(b) The under recovery is the balance before the application of $5 million from Capex and $10 million from self-insurance.

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GPA

LEAC Update - Restricted & Unrestricted Cash

(in '000)	Oct. 31, 2020	April, 2021
Self Insurance (Restricted)	$ 19,470	19,474
Insurance Proceed (Restricted)	74,162	74,166
Operating Fund	3,911	5,437
Energy Sense (Restricted)	348	1,210
Working Capital	30,544	30,544
Revenue Fund	626	113
Surplus Fund	42,410	6,931
Total	$ 171,471	$ 137,875

Working Funds

(in '000)	Oct. 31, 2020	April, 2021
Operating Fund	$ 3,911	$ 5,437
Working Capital	30,544	30,544
Surplus Fund	42,410	6,931
Total	76,865	42,912

Future Obligations to Pay:

Fuel Under Recovery	(9,200)
Insurance Premium (Nov.1)	(6,000)
Bond Principal & Interest (Oct. 1)	(23,868)
Capital Projects Committed	(7,980)
Available for use	$ (4,136)
RFO purchases	$ (17,000)
	$ (21,136)

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GUAM POWER AUTHORITY GPA POWER TO SERVE

LEAC Update - Proposed Summary

(in millions)	Full Recovery	Start period at $15M under recovery: Full Recovery	Start period at $15M under recovery: 50% Recovery	No Recovery
Beginning	$ 30.0	$ 30.0	$ 30.0	$ 30.0
Capex / SIF	-	15.0	15.0	15.0
LEAC Recovery	30.0	15.0	7.5	-
Ending	$ -	$ -	$ 7.5	$ 15.0
Current LEAC	$ 0.110000	$ 0.110000	$ 0.110000	$ 0.110000
Proposed Increase	$ 0.094189	$ 0.069772	$ 0.057564	$ 0.045356
New LEAC	$ 0.204189	$ 0.179772	$ 0.167564	$ 0.155356
Bill Impact (Consumption at 1,000 kWh)				
Non-fuel	$ 94.61	$ 94.61	$ 94.61	$ 94.61
Fuel	204.19	179.77	167.56	155.36
	298.80	274.38	262.17	249.97
Current Bill	204.61	204.61	204.61	204.61
Difference	$ 94.19	$ 69.77	$ 57.56	$ 45.36

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GUAM POWER AUTHORITY GPA POWER TO SERVE

LEAC Update - Proposed Rate

		Start period at $15M Under Recovery (After $5M Capex & $15 Self-Insurance)		
	Full Recovery of $30 million	Full Recovery (Recovery $15M)	50% Recovery (Recover $7.5M)	Break-even (No Recovery)
Average Price per Bbl-RFO	$ 75.14	$ 75.14	$ 75.14	$ 75.14
Average Price per Bbl-Diesel	$ 83.93	$ 83.93	$ 83.93	$ 83.93
Number 6 (HSFO/LSFO)	$ 76,604	$ 76,604	$ 76,604	$ 76,604
Number 2 (Diesel)	29,011	29,011	29,011	29,011
Renewable (Solar)	4,407	4,407	4,407	4,407
TOTAL COST	$ 110,022	$ 110,022	$ 110,022	$ 110,022
Handling Costs	6,453	6,453	6,453	6,453
Total Current Fuel Expense	$ 116,476	$ 116,476	$ 116,476	$ 116,476
Civilian Allocation	80.328%	80.328%	80.328%	80.328%
LEAC Current Fuel Expense	$ 93,563	$ 93,563	$ 93,563	$ 93,563
Estimated DSM for this period	$ 1,500	$ 1,500	$ 1,500	$ 1,500
Deferred Fuel Expense at the beginning of the period	30,379	15,379	15,379	15,379
Total LEAC Expense	$ 125,442	$ 110,442	$ 110,442	$ 110,442
Less: Trans. Level Costs	(6,611)	(5,821)	(5,426)	(5,030)
Distribution Level Costs	$ 118,831	$ 104,621	$ 105,017	$ 105,412
Over recovery/(Under) at the end of the period	$ -	$ -	$ (7,500)	$ (15,000)
Adjusted Distribution Level Costs	$ 118,831	$ 104,621	$ 97,517	$ 90,412
Distribution Level Sales (mWh)	581,966	581,966	581,966	581,966
LEAC Factor Distribution	0.204189	0.179772	0.167564	0.155356
Current LEAC Factor Distribution	0.110000	0.110000	0.110000	0.110000
Increase/(Decrease)	0.09419	0.06977	0.05756	0.04536
Monthly Increase/(Decrease) - 1000 kWh	$ 94.19	$ 69.77	$ 57.56	$ 45.36
% Increase/(Decrease) in LEAC	85.63%	63.43%	52.33%	41.23%
% Increase/(Decrease) in Total Bill	46.03%	34.10%	28.13%	22.17%
Discount (3%) - Primary 13.8 KV	$ 0.198084	$ 0.174397	$ 0.162554	$ 0.150711
Discount (4%) - 34.5 KV	$ 0.197513	$ 0.173895	$ 0.162086	$ 0.150277
Discount (5%) - 115 KV	$ 0.195082	$ 0.171754	$ 0.160091	$ 0.148427

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GUAM POWER AUTHORITY GPA POWER TO SERVE

LEAC Update - Sample Residential Bill

					Start period at $15 million Under Recovery (After $5 mil Capex and $10 mil Self-Insurance)					
	Current LEAC		Full Recovery		Full Recovery		50% Recovery		Break-even	
	Effective 08-01-21		Effective 08-01-21		Effective 08-01-21		Effective 08-01-21		Effective 08-01-21	
KWH		**1,000**		**1,000**		**1,000**		**1,000**		**1,000**
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge										
First 500 KWH	0.069550	34.78	0.069550	34.78	0.069550	34.78	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	43.44	0.086870	43.44	0.086870	43.44	0.086870	43.44	0.086870	43.44
Emergency Water-well charge	0.002790	1.40	0.002790	1.40	0.002790	1.40	0.002790	1.40	0.002790	1.40
Total Electric Charge before Fuel Recovery Charges		94.61		94.61		94.61		94.61		94.61
Fuel Recovery Charge	**0.110000**	110.00	**0.204189**	204.19	**0.179772**	179.77	**0.167564**	167.56	**0.155356**	155.36
Total Electric Charge		$ 204.61		$ 298.79		$ 274.38		$ 262.17		$ 249.96
Increase/(Decrease) in Total Bill				$ 94.19		$ 69.77		$ 57.56		$ 45.36
% Increase/(Decrease) in Total Bill				46.03%		34.10%		28.13%		22.17%
% Increase/(Decrease) in LEAC Rate				85.63%		63.43%		52.33%		41.23%
			Recover $30 million (100%)		Recover $15 million (50%)		Recover $7.5 million (25%)		No Recovery	

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GPA

LEAC RECONCILIATION ATTACHMENT I

CURRENT PERIOD

FEBRUARY 2021 TO JULY 2021

GUAM POWER AUTHORITY
Fuel Clause Reconciliation

Schedule 1

		Total FY 20	Total FY 21	FY 20 Civilian	FY 21 Civilian	FY 20 Navy
1 Start Date						
2 Total Sales		1,523,398	1,513,426	1,214,046	1,210,611	309,352
3 Daily Sales		4,174	4,146	3,326	3,317	848
4 Plant Use		4.30%	4.30%	142.97	142.56	36.43
5 Transmission Loss		0.33%	0.33%	11.10	11.07	-
5a Transmission Loss Above 13.8kV		2.43%	2.43%	80.94	80.71	20.62
6 Distribution Loss		3.37%	3.37%	112.09	111.77	-
7 Company Use		0.27%	0.27%	8.85	8.82	2.25
8 Total Daily Demand				3,682.09	3,671.67	906.85

		Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	TOTALS	Total	
9 Month										
10 Days		28	31	30	31	30	31			
		Actuals	Actuals	Forecast	Forecast	Forecast	Forecast			
11 Required Generation-Civilian		100,844	113,304	116,374	113,822	110,150	113,822	668,315	79.786%	
12 Required Generation-Navy		27,376	29,895	30,382	27,518	26,631	27,518	169,321	20.214%	
13 TOTAL REQUIRED GENERATION		128,220	143,200	146,756	141,340	136,781	141,340	837,636		
14 Number 6 (HSFO/LSFO)		$ 8,905,291	$ 9,191,079	$ 10,236,832	$ 8,287,927	$ 7,570,202	$ 13,178,042	$ 57,369,373	Schedule 2	$ 39,273,002
15 Number 2 (GPA)		3,724,737	6,817,915	5,870,857	7,761,487	8,645,798	3,868,116	36,688,910	Schedule 3	$ 26,146,259
16 Renewables		904,841	987,043	1,166,032	943,277	773,511	856,847	5,631,550	Schedule 4	$ 3,739,666
17 TOTAL COST		$ 13,534,869	$ 16,996,037	$ 17,273,720	$ 16,992,691	$ 16,989,511	$ 17,903,005	$ 99,689,833		$ 69,158,927
18 Handling Costs		702,663	717,995	1,075,499	1,073,850	1,073,243	1,076,095	5,719,344	Schedule 5	$ 4,298,686
19 TOTAL EXPENSE		$ 14,237,531	$ 17,714,032	$ 18,349,219	$ 18,066,541	$ 18,062,754	$ 18,979,100	$ 105,409,177		$ 73,457,614
Calculation of Civilian Factor										
20 Sales-Civilian		91,908	104,250	102,149	108,261	107,714	107,314	621,596		425,438
20a Sales-At Transmission Level		5,201	5,761	5,894	5,416	5,242	5,416	32,930		21,968
20b Sales @ 13.8 kV		86,707	98,489	96,255	102,845	102,473	101,898	588,666		403,470
21a Fuel Cost Recovery @ 13.8 kV	$110.000	$ 10,084,008	$ 10,527,647	$ 10,588,011	$ 11,312,944	$ 11,271,981	$ 11,208,758	$ 64,993,349		$ 44,381,694
21b Fuel Cost Recovery @ "Transmission"		539,660	597,795	629,978	578,874	560,200	578,874	$ 3,485,381		$ 2,347,926
21c Total Recovery		$ 10,623,668	$ 11,125,442	$ 11,217,989	$ 11,891,818	$ 11,832,182	$ 11,787,632	$ 68,478,730		$ 46,729,620
22 Civilian Costs (Total Expense x %)	79.786%	$ 11,620,600	$ 14,397,547	$ 14,640,090	$ 14,414,553	$ 14,411,532	$ 15,142,647	$ 84,626,969		$ 58,608,822
22a Deferred Fuel Amort.								0		
23 Under/(Over)		$ 996,932	$ 3,272,105	$ 3,422,102	$ 2,522,735	$ 2,579,350	$ 3,355,015	$ 16,148,239		
24 Estimated Under/(Over)										
25 Net Recovery Under/(Over)										
								$ 157.4301	Proposed Rate Without Discount	
26 Proposed Fuel Cost Recovery										
Estimated DSM for this period		$ -	$ -	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,000,000.00		$ 1,000,000
Civilian Clause Reconciliation:										
27 Opening Recovery Balance-Jan 31, 2021		$ 13,230,995	$ 14,227,927	$ 17,500,032	$ 21,172,134	$ 23,944,869	$ 26,774,219			
Under/(Over)		$ 996,932	$ 3,272,105	$ 3,422,102	$ 2,522,735	$ 2,579,350	$ 3,355,015	16,148,239		$ 28,761,552.84
29 Closing Recovery Balance		$ 14,227,927	$ 17,500,032	$ 21,172,134	$ 23,944,869	$ 26,774,219	$ 30,379,234	(17,148,239)	*Decrease/(Increase) in Deferred Fuel*	
							$ -			

Bills Computed at 1000 kWh/month	Current Rates [1]	Current Bill	Rate to fully recover	Increase (Decrease)
Customer Charge $/month	$ 15.00	$ 15.00	$ 15.00	$ -
Non Fuel Energy Charges ($/Kwh)				
Lifeline Usage (500 Kwh)	$ 0.0696	$ 34.78	$ 34.78	$ -
Non Lifeline Usage	$ 0.0869	$ 43.44	$ 43.44	$ -
WaterWell Charge				
Lifeline Usage (500 Kwh)	0.00000	$ -	$ -	$ -
Non Lifeline Usage	0.00279	$ 1.40	$ 1.40	$ -
Insurance Charge	0	$ -	$ -	$ -
WCF Surcharge	0	$ -	$ -	$ -
Roll Back Credit (RBC)	0	$ -	$ -	$ -
Fuel Recovery Charge		$ 110.00	$ 181.53	$ 71.53
TOTAL Bill		$ 204.61	$ 276.14	$ 71.53
Increase (Decrease) From Current Bill			$ 71.53	
Percent Increase (Decrease)			34.96%	
Increase (Decrease) From Current Leac Factor			$ 71.53	
Percent Increase (Decrease)			65.03%	

Adjusted LEAC Rate: Customer	Rate to Recover	Current Rate	
Secondary - 13.8 KV	$ 0.181534	$ 0.086800	$ 0.094734
Primary - 13.8 KV	$ 0.176172	$ 0.084200	$ 0.091922
34.5 KV	$ 0.175614	$ 0.083957	$ 0.091657
115 KV	$ 0.173452	$ 0.082924	$ 0.090529

C:\Guam\GPA\LEACs\Mar02\LEAC Feb 21 thru Jul 21 at current rate

Baseload Unit Forecast
Cost of Number 6 Oil

IWPS TOTAL GENERATION	128,220	143,200	146,756	141,340	136,781	141,340	837,636		
	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Total		
Cabras #1									
Generation (Mwh)	26,635	36,231	33,299	23,012	27,069	34,226	180,472		
Kwh/Barrel	585	592	586	586	586	586			
Barrels	45,495	61,162	56,824	39,270	46,193	58,406	307,351		
Mmbtu/Kwh (Heat Rate)	10,419	10,297	10,410	10,410	10,410	10,410			
Cabras #2									
Generation (Mwh)	24,506	4,867	17,355	14,326	3,047	28,123	92,223		
Kwh/Barrel	563	550	565	565	565	565			
Barrels	43,513	8,843	30,717	25,355	5,393	49,775	163,596		
Mmbtu/Kwh (Heat Rate)	10,831	11,083	10,796	10,796	10,796	10,796			
Cabras #3									
Generation (Mwh)	0	0	0	0	0	0	0		
Kwh/Barrel	726	726	726	726	726	726			
Barrels	0	0	0	0	0	0	0		
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0			
Cabras #4									
Generation (Mwh)	0	0	0	0	0	0	0		
Kwh/Barrel	735	735	735	735	735	735			
Barrels	0	0	0	0	0	0	0		
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0			
Tanguisson #1									
Generation (Mwh)	0	0	0	0	0	0	0		
Kwh/Barrel	471	471	471	471	471	471			
Barrels	0	0	0	0	0	0	0		
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0			
Tanguisson #2									
Generation (Mwh)	0	0	0	0	0	0	0		
Kwh/Barrel	449	449	449	449	449	449			
Barrels	0	0	0	0	0	0	0		
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0			
Piti Power Plant 4 & 5									
Generation (Mwh)	0	0	0	0	0	0	0		
Kwh/Barrel	463	463	463	463	463	463			
Barrels	0	0	0	0	0	0	0		
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0			
Enron (IPP) Piti #8									
Generation (Mwh)	21,974	30,072	29,724	26,599	27,496	25,519	161,384		
Kwh/Barrel	756	749	740	740	740	740			
Barrels	29,057	40,171	40,168	35,944	37,157	34,485	216,981		
Mmbtu/Kwh (Heat Rate)	8,066	8,149	8,243	8,243	8,243	8,243			
Enron (IPP) Piti #9									
Generation (Mwh)	25,283	28,425	29,815	26,202	26,208	27,368	163,301		
Kwh/Barrel	741	743	730	730	730	730			
Barrels	34,114	38,239	40,842	35,893	35,902	37,491	222,481		
Mmbtu/Kwh (Heat Rate)	8,231	8,206	8,356	8,356	8,356	8,356			
								Diesel	Average
Total Generation (Mwh)	98,398	99,595	110,193	90,138	83,821	115,236	597,381		
Total Barrels	152,179	148,415	168,551	136,462	124,645	180,157	910,408	460,316	1,370,724
Price/Barrel	$ 58.52	$ 61.93	$ 60.73	$ 60.73	$ 60.73	$ 73.15	$ 63.01	$ 79.70	$ 68.62
Total Cost (Sch. 6)	$ 8,905,291	$ 9,191,079	$ 10,236,832	$ 8,287,927	$ 7,570,202	$ 13,178,042	$ 57,369,373	$ 36,688,910	$ 94,058,283
% to Total MWH Generation	76.74%	69.55%	75.09%	63.77%	61.28%	81.53%	71.32%		
% to Fuel Cost	70.51%	57.41%	63.55%	51.64%	46.68%	77.31%	60.99%		

LEAC Feb 21 thru Jul 21 at current rate

THE GUAM POWER AUTHORITY
GPA Diesel Unit Forecast
Cost of Number 2 Oil

Remaining Demand	29,822	43,605	36,563	51,202	52,960	26,104	240,255.50
	Feb-21	**Mar-21**	**Apr-21**	**May-21**	**Jun-21**	**Jul-21**	**Total**
Dededo CT #1							
Generation (Mwh)	594	1,916	2,469	96	-	297	5,371.70
Kwh/Barrel	292	298	318	318	318	318	
Barrels	2,033	6,427	7,764	301	-	934	17,459.05
Mmbtu/Kwh (Heat Rate)	-	-	-	18,239	-	18,239	
Dededo CT #2							
Generation (Mwh)	934	2,063	2,984	-	-	324	6,304.73
Kwh/Barrel	338	306	326	326	326	326	
Barrels	2,765	6,740	9,153	-	-	993	19,651.41
Mmbtu/Kwh (Heat Rate)	-	-	-	-	-	-	
Macheche CT							
Generation (Mwh)	4,750	7,943	7,935	5,786	7,693	3,238	37,345.00
Kwh/Barrel	458	460	450	450	450	450	
Barrels	10,370	17,253	17,633	12,858	17,095	7,196	82,405.22
Mmbtu/Kwh (Heat Rate)	12,662	12,598	12,889	12,889	12,889	12,889	
Yigo CT							
Generation (Mwh)	3,727	3,837	7,317	6,783	7,066	4,523	33,253.06
Kwh/Barrel	445	466	453	453	453	453	
Barrels	8,368	8,228	16,152	14,974	15,598	9,984	73,304.74
Mmbtu/Kwh (Heat Rate)	13,022	12,437	12,804	12,804	12,804	12,804	
Tenjo Vista							
Generation (Mwh)	746	2,947	3,250	829	1,673	2,888	12,332.35
Kwh/Barrel	568	554	580	580	580	580	
Barrels	1,314	5,324	5,603	1,429	2,884	4,978.49	21,533.43
Mmbtu/Kwh (Heat Rate)	10,216	10,478	10,000	10,000	10,000	10,000	
TEMES							
Generation (Mwh)	3,118	7,715	5,440	3,460	10,497	3,812	34,042.26
Kwh/Barrel	349	343	373	373	373	373	
Barrels	8,944	22,469	14,584	9,276	28,143	10,220	93,636.21
Mmbtu/Kwh (Heat Rate)	16,637	16,892	15,550	15,550	15,550	15,550	

	Feb-60	Mar-60	Apr-60	May-60	Jun-60	Jul-60	Total
Manengon (MDI)							
Generation (Mwh)	-	51	25	870	2,121	1,316	4,383.46
Kwh/Barrel	692	600	692	692	692	692	
Barrels	-	85	36	1,257	3,065	1,902	6,345.77
Mmbtu/Kwh (Heat Rate)	-	9,667	8,382	8,382	8,382	8,382	
Talofofo							
Generation (Mwh)	172	1,331	370	4,479	5,241	1,965	13,557.85
Kwh/Barrel	599	602.26	592	592	592	592	
Barrels	287	2,210	625	7,567	8,853	3,319	22,859.93
Mmbtu/Kwh (Heat Rate)	9,678	9,630	9,797	9,797	9,797	9,797	
Aggreko							
Generation (Mwh)	11,442	10,737	1,028	24,252	14,859	3,521	65,838.82
Kwh/Barrel	537	528	536	536	536	536	
Barrels	21,318	20,347	1,918	45,246	27,722	6,569	123,119.89
Mmbtu/Kwh (Heat Rate)	10,806	10,991	10,821	10,821	10,821	10,821	
Marbo Ct							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	525	525	525	525	525	525	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Total Generation (MWH) #2 Units	25,483	38,540	30,818	46,555	49,150	21,883	212,429
Total Barrels	55,399	89,083	73,470	92,908	103,360	46,096	460,316
Price/Barrel-See Schedule 7	$ 67.23	$ 76.53	$ 79.91	$ 83.54	$ 83.65	$ 83.92	$ 79.70
Total Cost	$ 3,724,737	$ 6,817,915	$ 5,870,857	$ 7,761,487	$ 8,645,798	$ 3,868,116	$ 36,688,910.19
Total Gross Generation	123,881	138,135	141,011	136,693	132,970	137,119	809,810
Total Barrels	207,578	237,498	242,021	229,370	228,005	226,252	1,370,724
% to Total MWH Generation	19.87%	26.91%	21.00%	32.94%	35.93%	15.48%	25.36%
% to Fuel Cost	29.49%	42.59%	36.45%	48.36%	53.32%	22.69%	39.01%

THE GUAM POWER AUTHORITY
RENEWABLES UNITS

Remaining Demand	4,339	5,065	5,745	4,647	3,810	4,221	27,826
	Feb-21	**Mar-21**	**Apr-21**	**May-21**	**Jun-21**	**Jul-21**	**Total**
NRG Solar Dandan	-	-					
Generation (Mwh)	4,339	5,064	5,744	4,647	3,810	4,221	27,825
Total Generation w/out Wind Turbine	128,220	143,199	146,755	141,340	136,781	141,340	837,635
	$ -	$ -	$ -	$ -	$ -	$ -	
Wind Turbine							
Generation (Mwh)	0	0	0	7	8	8	
Total Gross Generation	128,220	143,199	146,755	141,347	136,789	141,348	837,658

GUAM POWER AUTHORITY
Fuel Handling and Other Costs

Schedule 5

	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Total
Total Number Six Consumption	152,179	148,415	168,551	136,462	124,645	180,157	910,408
Dock Usage Fee/Barrel	$0.94	$0.00	$0.85	$1.10	$1.20	$0.83	
Total Dock Fee-Tristar	$ 143,002.88	$0	$149,795	$149,795	$149,795	$149,795	$742,182
A) Excess Laytime/Overtime-Tristar	0	0	8,659	7,011	6,404	9,256	31,329
Storage Tank Rental-Tristar	246,216	246,216	286,303	286,303	286,303	286,303	1,637,644
Pipeline Fee-Tristar	56,463	62,117	43,781	43,781	43,781	43,781	293,702
TOTAL Tristar Costs	$ 445,682	$ 308,333	$ 488,538	$ 486,889	$ 486,282	$ 489,134	$ 2,704,858
Tank Farm Management Fee	61,356	63,722	72,094	72,094	72,094	72,094	413,452
Fuel Tank Farm Maintenance	-	-	58,291	58,291	58,291	58,291	233,165
Ship Demurrage Cost	-	-	11,280	11,280	11,280	11,280	45,120
D) Fuel Hedging							-
E) Urea Chemicals/DEF Diesel Exhaust Fluid/Cylinder Oil	185,872	326,420	295,411	295,411	295,411	295,411	1,693,935
Subscription Delivery fee, Vacuum Rental, Hauling	-	-	26,356	26,356	26,356	26,356	105,422
F) Sale of fuel to Matson	-	-	-	-	-	-	-
Petroleum Testing Services	1,445	10,483	52,715	52,715	52,715	52,715	222,786
TOTAL	$ 248,674	$ 400,625	$ 516,145	$ 516,145	$ 516,145	$ 516,145	$ 2,713,881
	-						
C) Labor charges	8,307	9,037	8,272	8,272	8,272	8,272	50,433
B) Interest Charges/LC Charges	-	-	62,543	62,543	62,543	62,543	250,172
TOTAL Handling Costs	$ 702,663	$ 717,995	$ 1,075,499	$ 1,073,850	$ 1,073,243	$ 1,076,095	$ 5,719,344
	904,841	987,043	1,075,499	1,073,850	1,073,243	1,076,095	
	1,607,503	1,705,038					

Notes:

(A) Total Excess Laytime & O/T Charges for period 10/19 thru 09/20 $ 110,987.80
Total barrels offloaded FY 2020 2,160,345
Rate per barrel $0.0514

(B) Total Bank Charges (commission, issuance, LC fees) See FY21 budget

(c) Fiscal Year 20 budget for Labor $ 99,269.00
Divided by 12 months 12.00
Estimated labor charges FY20 $ 8,272.42

(D) Fuel Hedging Gain/loss - No Hedging Contract is in place.

(E) Lube oil is not included since Cabras 3&4 is not operational

(F) Sale to Matson
Average No. of Barrels for FY 2019 1432.19
Multiplied by $2.03 for handling fee and $4.20 for bunker fee plus 15% markup; $.66 for royalty fee; $.02 Maritime Security Fee

GUAM POWER AUTHORITY
Inventory Effect of Number Six Costs

		Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Ending
Layer 1	Inventory (bbls)			437,487.73	268,936.65	132,475	7,830	-
	Price/Bbl			$ 60.73	$ 60.73	$ 60.73	$ 60.73	$ 60.73
Layer 2	Inventory (bbls)			240,000	240,000	240,000	240,000	67,673
	Price/Bbl			$ 73.71	$ 73.71	$ 73.71	$ 73.71	$ 73.71
Layer 3	Inventory (bbls)			240,000	240,000	240,000	240,000	240,000
	Price/Bbl			$ 75.32	$ 75.32	$ 75.32	$ 75.32	$ 75.32
Layer 4	Inventory (bbls)			240,000	240,000	240,000	240,000	240,000
	Price/Bbl			$ 75.37	$ 75.37	$ 75.37	$ 75.37	$ 75.37
Layer 5	Inventory (bbls)			240,000	240,000	240,000	240,000	240,000
	Price/Bbl			$ 75.15	$ 75.15	$ 75.15	$ 75.15	$ 75.15
Layer 6	Inventory (bbls)			240,000	240,000	240,000	240,000	240,000
	Price/Bbl			$ 75.11	$ 75.11	$ 75.11	$ 75.11	$ 75.11
Layer 7	Inventory (bbls)			240,000	240,000	240,000	240,000	240,000
	Price/Bbl			$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04
Total Consumption (bbls)				168,551.08	136,462.05	124,644.59	180,156.54	809,814.26
Total Barrels	Layer 1			168,551.08	136,462.05	124,644.59	7,830.01	
	Layer 2			-	-	-	172,326.53	
	Layer 3			-	-	-	-	
	Layer 4			-	-	-	-	
	Layer 5			-	-	-	-	
	Layer 6			-	-	-	-	
	Layer 7			-	-	-	-	
	Total			168,551.08	136,462.05	124,644.59	180,156.54	
Cost	Layer 1			$ 10,236,831.66	$ 8,287,926.81	$ 7,570,202.04	$ 475,550.09	
	Layer 2			$ -	$ -	$ -	$ 12,702,491.87	
	Layer 3			$ -	$ -	$ -	$ -	
	Layer 4			$ -	$ -	$ -	$ -	
	Layer 5			$ -	$ -	$ -	$ -	
	Layer 6			$ -	$ -	$ -	$ -	
	Layer 7			$ -	$ -	$ -	$ -	
	Total			$ 10,236,831.66	$ 8,287,926.81	$ 7,570,202.04	$ 13,178,041.96	$ 39,273,002.46
	Price Per Barrel			$ 60.73	$ 60.73	$ 60.73	$ 73.15	$ 64.40

	$/Bbl		Asia Noon Call Forward Prices in MT	Premium - HSFO per barrel	Premium - LSFO per barrel	Weighted Avg Premium		Price/MT	Price/Bbl	Price/Bbl w Premium
Dec-20	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Jan-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Feb-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Mar-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Apr-21	$ 60.73	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
May-21	$ 73.71	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Jun-21	$ 75.32	Forecast	$ 388.79	$ 11.27	$ 19.61	14.19	1	388.79	61.13	75.32
Jul-21	$ 75.37	Forecast	$ 389.14	$ 11.27	$ 19.61	14.19	1	389.14	61.19	75.37
Aug-21	$ 75.15	Forecast	$ 387.74	$ 11.27	$ 19.61	14.19	1	387.74	60.97	75.15
Sep-21	$ 75.11	Forecast	$ 387.44	$ 11.27	$ 19.61	14.19	1	387.44	60.92	75.11
Oct-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04
Nov-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04
Dec-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04

Note: Fuel forecast was based using Morgan Stanley Energy Noon Call Asia on Sing HSFO 180CST dated 05.06.21 to 05.12.21

Balance as of 03.31.21	HSFO	187,637.47	$ 67.87	$ 12,735,297.33
	LSFO	249,850.26	$ 55.37	13,835,213.26
		437,487.73	$ 60.73	$ 26,570,510.59
	May Shipment			
	HSFO	155,378.00	$ 71.26	$ 11,072,097.79
	LSFO	82,381.00	$ 78.34	$ 6,453,536.87
		237,759.00	$ 73.71	17,525,634.66

LEAC Feb 21 thru Jul 21 at current rate

Workpaper for Number 2 oil pricing:

Actual Invoice	Shell	40694			2020	March 0 Invoice Price	April Invoice Price
Temes		0	$ 0.2620	$	0.215	1.831	1.874
Diesel		0	$ 0.2420	$	0.257	1.873	1.916
CT		0	$ 0.2420	$	0.221	1.837	1.88
Aggreko		0	$ 0.2620	$	0.226	1.842	1.885
Total		0	$ 1.0080	$	0.919	$ 7.383	$ 7.555
Average		0	$ 0.2520	$	0.230	$ 1.8458	$ 1.8888
Multiplied by 42		0	$ 10.5840	$	9.650	$ 77.5215	$ 79.3275

Premium fee	$	10.58	Source: FY19 August Invoice
Premium fee	$	9.65	01/01/20 - 01/31/21

Note: Fuel forecast was based using the Morgan Stanley
Gasoil 10ppm dated **05.06.21** to **05.12.21**

				Forecast		
Feb-21	$ 67.23	Actual	$	-	1	0.00
Mar-21	$ 76.53	Actual	$	-	1	0.00
Apr-21	$ 79.33	Actual	$	-	1	0.00
May-21	$ 83.49	Forecast	$	73.84	1	73.84
Jun-21	$ 83.55	Forecast	$	73.90	1	73.90
Jul-21	$ 83.55	Forecast	$	73.90	1	73.90

GPA HEDGE CONTRACTS

There are no hedge contracts in effect for this LEAC period.

Schedule 9

IWPS TOTAL GENERATION (MWh)		128,220		143,200		146,756		141,340		136,781		141,340	709,416
	Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		
	Feb-21	Feb-21	Mar-21	Mar-21	Apr-21	Apr-21	May-21	May-21	Jun-21	Jun-21	Jul-21	Jul-21	
Cabras 1	24,140	24,834	21,755	21,883	12,358	13,429	24,762	23,012	29,709	27,069	35,488	34,226	
Cabras 2	4,635	4,768	22,437	22,569	19,573	21,269	15,415	14,326	3,344	3,047	29,160	28,123	
Cabras 3		-		-		-		-		-		-	
Cabras 4		-		-		-		-		-		-	
ENRON 1	27,930	28,733	25,845	25,997	30,117	32,727	28,621	26,599	30,178	27,496	26,460	25,519	
ENRON 2	27,596	28,389	28,432	28,599	26,395	28,682	28,194	26,202	28,764	26,208	28,378	27,368	
HEI 1		-		-		-		-		-		-	
HEI 2		-		-		-		-		-		-	
Dededo CT 1		-		-		-	103	96		-	308	297	
Dededo CT 2		-		-		-		-		-	336	324	
Macheche CT	6,072	6,247	6,113	6,149	6,095	6,623	6,226	5,786	8,443	7,693	3,358	3,238	
Aggreko	15,061	15,494	16,634	16,732	15,123	16,433	26,096	24,252	16,308	14,859	3,651	3,521	
Yigo CT	6,560	6,749	6,588	6,627	7,074	7,687	7,299	6,783	7,755	7,066	4,690	4,523	
TEMES CT	1,638	1,685	3,205	3,224	6,787	7,375	3,723	3,460	11,521	10,497	3,953	3,812	
Dededo Diesel 1		-		-		-		-		-		-	
Dededo Diesel 2		-		-		-		-		-		-	
Dededo Diesel 3		-		-		-		-		-		-	
Dededo Diesel 4		-		-		-		-		-		-	
Pulantat Diesel 1	1,228	1,263	868	873	1,292	1,404	936	870	2,328	2,121	1,365	1,316	
Pulantat Diesel 2		-		-		-		-		-		-	
Talofofo Diesel 1	2,512	2,584	2,720	2,736	2,684	2,917	2,424	2,253	2,876	2,620	2,037	1,965	
Talofofo Diesel 2	2,500	2,572	2,688	2,704	2,696	2,930	2,396	2,227	2,876	2,620	-	-	
Tenjo Diesel 1	64	66	40	40		-	168	156	408	372	780	752	
Tenjo Diesel 2	80	82	56	56		-	208	193	440	401	810	781	
Tenjo Diesel 3		-		-		-		-		-	-	-	
Tenjo Diesel 4	84	86	56	56		-	276	256	480	437	714	689	
Tenjo Diesel 5	188	193	72	72		-	240	223	508	463	690	665	
Tenjo Diesel 6		-		-		-		-		-	-	-	
Solar	4,350	4,475	4,855	4,883	4,859	5,280	5,000	4,647	4,182	3,810	4,377	4,221	
	124,638	128,220	142,364	143,200	135,053	146,756	152,087	141,340	150,120	136,781	146,552	141,340	

Schedule 10

ASSUMPTIONS/ADD'L INFORMATION:

1. Losses Allocated using FY 2012 Rate Case Loss Percentages

	Mwh	Ratio to Sales	Discount Percentage	Ratio to net send out **
Total Mwh Sales -FY15	1,539,587			1,622,942
Plant Use - (FY 15)	83,060	5.39%		
Transmission Total		2.32%		
Transmission Losses-115		0.85%	95.70%	
Transmission Losses-34.4		1.19%	96.89%	
Primary Losses-13.8		0.28%	97.17%	
Distribution losses		2.83%		
Company use (FY15)	4,088	0.27%		

Note A:	Mwh	Ratio	Allocated FY12 T&D Losses	
Total T&D losses FY15	79,267		5.15%	4.88%

Schedule 11

LEAC Rates Applicable to Different Sales Level

	Adjusted LEAC Rate		Cost Shift
Total Sales -MWH		425,438	
Less: Sales			
Primary (Line 18* AssumptionsS10:F14)	0.1761216	14,782.02	$ 2,603,433.67
34.5 (Line 18* AssumptionsS10:F13)	0.1756143	7,165.04	$ 1,258,283.52
115 (Line 18* AssumptionsS10:F12)	0.1734524	21.35	$ 3,703.73
Net Sales - MWh	588,666.49	403,469.95	$ 3,865,420.93

Total Civilian Fuel Cost	$	58,608,822.11
Add: DSM	$	1,000,000.00
Over/(Under) Recovery	$	17,500,032.35
Less: Fuel Costs Recovery from Discounted Customers	$	(3,865,420.93)
Civilian Fuel Cost (Net of Discounted Customers)	$	73,243,433.54
LEAC Rate without discount(Line 8 +9+10/Line 1)	$	0.181246
Proposed Original LEAC Rate	$	-
Difference (Line 13 - Line 15)	$	0.181246
LEAC Rate with discount(Line13/Line 6)	$	0.181534

Renewables Generation MWh

Description	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	TOTALS
QGP20 MW Solar	4,339	5,064	5,744	4,647	3,810	4,221	27,825
Contract Price ($/MWh)	$ 208.54	$ 194.91	$ 203.00	$ 203.00	$ 203.00	$ 203.00	
Contract Cost	$ 904,841	$ 987,043	$ 1,166,032	$ 943,277	$ 773,511	$ 856,847	$ 5,631,550.1

Note: Contract price escalates each contract year. (see Renewable Contract Price for details)

LEAC
RECONCILIATION
ATTACHMENT II

PROJECTED
SPREADSHEETS

AUGUST 2021
TO
JANUARY 2022

GUAM POWER AUTHORITY

Fuel Clause Reconciliation

Schedule 1

	Total FY 22	Total FY 21	FY 22 Civilian	FY 21 Civilian	FY 22 Navy
1 Start Date					
2 Total Sales	1,526,322	1,513,426	1,216,231	1,210,611	310,090
3 Daily Sales	4,182	4,146	3,332	3,317	850
4 Plant Use	4.30%	4.30%	143.22	142.56	36.52
5 Transmission Loss	0.33%	0.33%	11.12	11.07	-
5a Transmission Loss Above 13.8kV	2.43%	2.43%	81.09	80.71	20.67
6 Distribution Loss	3.37%	3.37%	112.29	111.77	-
7 Company Use	0.27%	0.27%	8.86	8.82	2.26
8 Total Daily Demand			3,688.72	3,671.67	909.01

		Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	TOTALS	Total
9 Month									
10 Days		31	30	31	30	31	31		
		Forecast	Forecast	Forecast	Forecast	Forecast	Forecast		
11 Required Generation-Civilian		113,822	110,150	114,350	110,662	114,350	114,350	677,684	80.328%
12 Required Generation-Navy		27,518	26,631	28,179	27,270	28,179	28,179	165,957	19.672%
13 TOTAL REQUIRED GENERATION		141,340	136,781	142,530	137,932	142,530	142,530	843,641	
14 Number 6 (HSFO/LSFO)		$ 10,530,131	$ 11,461,140	$ 13,203,206	$ 12,608,681	$ 13,986,987	$ 14,813,879	$ 76,604,023	Schedule 2
15 Number 2 (GPA)		7,758,239	5,658,548	4,920,691	4,924,111	3,385,015	2,364,267	29,010,871	Schedule 3
16 Renewables		753,609	717,943	763,141	782,540	633,891	756,290	4,407,414	Schedule 4
17 TOTAL COST		$ 19,041,979	$ 17,837,630	$ 18,887,037	$ 18,315,333	$ 18,005,894	$ 17,934,435	$ 110,022,308	
18 Handling Costs		1,074,096	1,074,657	1,075,839	1,075,447	1,076,402	1,076,972	6,453,413	Schedule 5
19 TOTAL EXPENSE		$ 20,116,075	$ 18,912,287	$ 19,962,876	$ 19,390,779	$ 19,082,296	$ 19,011,407	$ 116,475,721	
Calculation of Civilian Factor									
20 Sales-Civilian		102,466	98,266	106,535	104,529	103,233	100,347	615,376	
20a Sales-At Transmission Level		5,731	5,242	5,731	5,242	5,731	5,731	33,410	
20b Sales @ 13.8 kV		96,735	93,023	100,804	99,286	97,502	94,616	581,966	
21a Fuel Cost Recovery @ 13.8 kV	$167.564	$ 16,209,354	$ 15,587,397	$ 16,891,163	$ 16,636,849	$ 16,337,843	$ 15,854,201	$ 97,516,807	
21b Fuel Cost Recovery @ "Transmission"		930,720	851,351	930,720	851,351	930,720	930,720	$ 5,425,580	
21c Total Recovery		$ 17,140,074	$ 16,438,747	$ 17,821,883	$ 17,488,200	$ 17,268,562	$ 16,784,921	$ 102,942,388	
22 Civilian Costs (Total Expense x %)	80.328%	$ 16,158,933	$ 15,191,949	$ 16,035,871	$ 15,576,314	$ 15,328,514	$ 15,271,571	$ 93,563,153	
22a Deferred Fuel Amort.								0	
23 Under/(Over)		$ (981,141)	$ (1,246,798)	$ (1,786,012)	$ (1,911,886)	$ (1,940,048)	$ (1,513,350)	$ (9,379,234)	
24 Estimated Under/(Over)									
25 Net Recovery Under/(Over)									
								$ 177.0338	Proposed Rate Without Discount
26 Proposed Fuel Cost Recovery									
Reduction of Under Recovery using Self Insurance and reduction in Capex		(15,000,000)							
Estimated DSM for this period		$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,500,000.00	
Civilian Clause Reconciliation:									
27 Opening Recovery Balance-Jul 31, 2021		$ 15,379,234	$ 14,648,094	$ 13,651,295	$ 12,115,284	$ 10,453,398	$ 8,763,350		
Under/(Over)		$ (981,141)	$ (1,246,798)	$ (1,786,012)	$ (1,911,886)	$ (1,940,048)	$ (1,513,350)	(9,379,234)	
29 Closing Recovery Balance		$ 14,648,094	$ 13,651,295	$ 12,115,284	$ 10,453,398	$ 8,763,350	$ 7,500,000	7,879,234	*Decrease/(Increase) in Deferred Fuel*
						$ 42,855,358.97	$ 7,500,000.00	50 % of under recovery	

Bills Computed at 1000 kWh/month	Current Rates [1]	Current Bill	Rate to fully recover	Increase (Decrease)
Customer Charge $/month	$ 15.00	$ 15.00	$ 15.00	$ -
Non Fuel Energy Charges ($/Kwh)				
Lifeline Usage (500 Kwh)	$ 0.0696	$ 34.78	$ 34.78	$ -
Non Lifeline Usage	$ 0.0869	$ 43.44	$ 43.44	$ -
WaterWell Charge				
Lifeline Usage (500 Kwh)	0.00000	$ -	$ -	$ -
Non Lifeline Usage	0.00279	$ 1.40	$ 1.40	$ -
Insurance Charge	0	$ -	$ -	$ -
WCF Surcharge	0	$ -	$ -	$ -
Roll Back Credit (RBC)	0	$ -	$ -	$ -
Fuel Recovery Charge		$ 110.00	$ 167.56	$ 57.56
TOTAL Bill		$ 204.61	$ 262.17	$ 57.56
Increase (Decrease) From Current Bill			$ 57.56	
Percent Increase (Decrease)			28.13%	
Increase (Decrease) From Current Leac Factor			$ 57.56	
Percent Increase (Decrease)			52.33%	

Adjusted LEAC Rate: Customer	Rate to Recover Aug-20	Current Rate Effective 02.01.21	
Secondary - 13.8 KV	$ 0.167564	0.110000	$ 0.057564
Primary - 13.8 KV	$ 0.162554	0.106891	$ 0.055663
34.5 KV	$ 0.162086	0.106854	$ 0.055232
115 KV	$ 0.160091	0.105271	$ 0.054820

C:\Guam\GPA\LEACs\Mar02\LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

Schedule 2

Baseload Unit Forecast
Cost of Number 6 Oil

IWPS TOTAL GENERATION	141,340	136,781	142,530	137,932	142,530	142,530	843,641
	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Total
Cabras #1							
Generation (Mwh)	30,941	30,740	36,348	32,283	33,989	38,075	202,376
Kwh/Barrel	586	586	586	586	586	586	
Barrels	52,800	52,457	62,028	55,091	58,001	64,975	345,351
Mmbtu/Kwh (Heat Rate)	10,410	10,410	10,410	10,410	10,410	10,410	
Cabras #2							
Generation (Mwh)	8,952	15,123	33,854	30,828	31,154	33,960	153,871
Kwh/Barrel	565	565	565	565	565	565	
Barrels	15,844	26,766	59,918	54,563	55,140	60,107	272,339
Mmbtu/Kwh (Heat Rate)	10,796	10,796	10,796	10,796	10,796	10,796	
Cabras #3							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	726	726	726	726	726	726	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Cabras #4							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	735	735	735	735	735	735	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Tanguisson #1							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	471	471	471	471	471	471	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Tanguisson #2							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	449	449	449	449	449	449	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Piti Power Plant 4 & 5							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	463	463	463	463	463	463	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Enron (IPP) Piti #8							
Generation (Mwh)	26,591	26,609	30,069	13,890	27,847	27,487	152,493
Kwh/Barrel	740	740	740	740	740	740	
Barrels	35,934	35,959	40,633	18,771	37,630	37,144	206,072
Mmbtu/Kwh (Heat Rate)	8,243	8,243	8,243	8,243	8,243	8,243	
Enron (IPP) Piti #9							
Generation (Mwh)	26,771	27,000	9,198	28,554	25,814	25,559	142,895
Kwh/Barrel	730	730	730	730	730	730	
Barrels	36,673	36,986	12,600	39,115	35,361	35,012	195,747
Mmbtu/Kwh (Heat Rate)	8,356	8,356	8,356	8,356	8,356	8,356	

								Diesel	Average
Total Generation (Mwh)	93,255	99,472	109,469	105,556	118,803	125,081	651,636		
Total Barrels	141,251	152,168	175,180	167,540	186,133	197,238	1,019,509	345,657	1,365,166
Price/Barrel	$ 74.55	$ 75.32	$ 75.37	$ 75.26	$ 75.15	$ 75.11	$ 75.14	$ 83.93	$ 77.36
Total Cost (Sch. 6)	$ 10,530,131	$ 11,461,140	$ 13,203,206	$ 12,608,681	$ 13,986,987	$ 14,813,879	$ 76,604,023	$ 29,010,871	$ 105,614,894

% to Total MWH Generation	65.98%	72.72%	76.80%	76.53%	83.35%	87.76%	77.24%
% to Fuel Cost	57.58%	66.95%	72.85%	71.91%	80.51%	86.24%	72.53%

LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

THE GUAM POWER AUTHORITY
GPA Diesel Unit Forecast
Cost of Number 2 Oil

Remaining Demand	48,085	37,309	33,061	32,376	23,727	17,449	192,005.69
	Aug-21	**Sep-21**	**Oct-21**	**Nov-21**	**Dec-21**	**Jan-22**	**Total**
Dededo CT #1							
Generation (Mwh)	1,372	472	489	458	258	50	3,097.77
Kwh/Barrel	318	318	318	318	318	318	
Barrels	4,313	1,484	1,537	1,440	812	156	9,741.41
Mmbtu/Kwh (Heat Rate)	-	-	-	18,239	-	18,239	
Dededo CT #2							
Generation (Mwh)	857	385	-	-	-	-	1,242.07
Kwh/Barrel	326	326	326	326	326	326	
Barrels	2,629	1,181	-	-	-	-	3,810.04
Mmbtu/Kwh (Heat Rate)	-	-	-	-	-	-	
Macheche CT							
Generation (Mwh)	8,407	4,194	4,441	4,798	2,177	2,119	26,135.69
Kwh/Barrel	450	450	450	450	450	450	
Barrels	18,683	9,321	9,869	10,662	4,837	4,708	58,079.31
Mmbtu/Kwh (Heat Rate)	12,889	12,889	12,889	12,889	12,889	12,889	
Yigo CT							
Generation (Mwh)	6,540	5,781	7,065	5,992	3,782	4,817	33,975.81
Kwh/Barrel	453	453	453	453	453	453	
Barrels	14,436	12,762	15,595	13,227	8,349	10,633	75,001.78
Mmbtu/Kwh (Heat Rate)	12,804	12,804	12,804	12,804	12,804	12,804	
Tenjo Vista							
Generation (Mwh)	7,343	5,132	2,949	2,833	2,230	1,587	22,073.12
Kwh/Barrel	580	580	580	580	580	580	
Barrels	12,661	8,848	5,084	4,884	3,845	2,735.67	38,057.11
Mmbtu/Kwh (Heat Rate)	10,000	10,000	-	10,000	10,000	10,000	
TEMES							
Generation (Mwh)	6,559	3,744	3,101	3,835	1,702	1,577	20,518.03
Kwh/Barrel	373	373	373	373	373	373	
Barrels	17,585	10,037	8,314	10,282	4,563	4,228	55,008.12
Mmbtu/Kwh (Heat Rate)	15,550	15,550	15,550	15,550	15,550	15,550	

LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Total
Manengon (MDI)							
Generation (Mwh)	5,045	4,225	4,101	1,518	1,534	1,205	17,627.05
Kwh/Barrel	692	692	692	692	692	692	
Barrels	7,290	6,105	5,926	2,194	2,217	1,741	25,472.61
Mmbtu/Kwh (Heat Rate)	8,382	8,382	8,382	8,382	8,382	8,382	
Talofofo							
Generation (Mwh)	5,374	5,285	4,967	4,462	4,765	1,408	26,260.53
Kwh/Barrel	592	592	592	592	592	592	
Barrels	9,077	8,927	8,390	7,538	8,049	2,378	44,359.01
Mmbtu/Kwh (Heat Rate)	9,797	9,797	9,797	9,797	9,797	9,797	
Aggreko							
Generation (Mwh)	2,876.20	4,555.33	2,189.52	4,625.66	4,156.27	961.26	19,364.22
Kwh/Barrel	536	536	536	536	536	536	
Barrels	5,366	8,499	4,085	8,630	7,754	1,793	36,127.29
Mmbtu/Kwh (Heat Rate)	10,821	10,821	10,821	10,821	10,821	10,821	
Marbo Ct							
Generation (Mwh)	0	0	0	0	0	0	0
Kwh/Barrel	525	525	525	525	525	525	
Barrels	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	
Total Generation (MWH) #2 Units	44,372	33,772	29,301	28,521	20,604	13,723	170,294
Total Barrels	92,040	67,162	58,800	58,855	40,425	28,375	345,657
Price/Barrel-See Schedule 7	$ 84.29	$ 84.25	$ 83.69	$ 83.66	$ 83.74	$ 83.32	$ 83.93
Total Cost	$ 7,758,239	$ 5,658,548	$ 4,920,691	$ 4,924,111	$ 3,385,015	$ 2,364,267	$ 29,010,871.29
Total Gross Generation	137,628	133,244	138,770	134,077	139,407	138,804	821,930
Total Barrels	233,291	219,330	233,980	226,395	226,558	225,612	1,365,166
% to Total MWH Generation	31.39%	24.69%	20.56%	20.68%	14.46%	9.63%	20.19%
% to Fuel Cost	42.42%	33.05%	27.15%	28.09%	19.49%	13.76%	27.47%

LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

THE GUAM POWER AUTHORITY
RENEWABLES UNITS

Remaining Demand	3,712	3,537	3,759	3,855	3,123	3,726	21,711
	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Total
NRG Solar Dandan	-	-					
Generation (Mwh)	3,712	3,537	3,759	3,855	3,123	3,726	21,711
Total Generation w/out Wind Turbine	141,340	136,781	142,530	137,932	142,530	142,530	843,641
	$ -	$ -	$ -	$ -	$ -	$ -	
Wind Turbine							
Generation (Mwh)	6	7	8	7	8	8	
Total Gross Generation	141,346	136,788	142,538	137,939	142,538	142,538	843,685

GUAM POWER AUTHORITY
Fuel Handling and Other Costs

Schedule 5

	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Total
Total Number Six Consumption	141,251	152,168	175,180	167,540	186,133	197,238	1,019,509
Dock Usage Fee/Barrel	$1.06	$0.98	$0.86	$0.89	$0.80	$0.76	
Total Dock Fee-Tristar	$149,795	$149,795	$149,795	$149,795	$149,795	$149,795	$898,769
A) Excess Laytime/Overtime-Tristar	7,257	7,818	9,000	8,607	9,563	10,133	52,377
Storage Tank Rental-Tristar	286,303	286,303	286,303	286,303	286,303	286,303	1,717,818
Pipeline Fee-Tristar	43,781	43,781	43,781	43,781	43,781	43,781	262,684
TOTAL Tristar Costs	$ 487,135	$ 487,696	$ 488,878	$ 488,486	$ 489,441	$ 490,011	$ 2,931,647
Tank Farm Management Fee (Based on contract with Vital)	72,094	72,094	72,094	72,094	72,094	72,094	432,561
Fuel Tank Farm Maintenance	58,291	58,291	58,291	58,291	58,291	58,291	349,748
Ship Demurrage Cost	11,280	11,280	11,280	11,280	11,280	11,280	67,681
D) Fuel Hedging							-
E) Urea Chemicals/DEF Diesel Exhaust Fluid/Cylinder Oil	295,411	295,411	295,411	295,411	295,411	295,411	1,772,463
Subscription Delivery fee, Vacuum Rental, Hauling	26,356	26,356	26,356	26,356	26,356	26,356	158,134
F) Sale of fuel to Matson	-	-	-	-	-	-	-
SGS Inspection	52,715	52,715	52,715	52,715	52,715	52,715	316,287
TOTAL	$ 516,145	$ 516,145	$ 516,145	$ 516,145	$ 516,145	$ 516,145	$ 3,096,873
	-						
C) Labor charges	8,272	8,272	8,272	8,272	8,272	8,272	49,635
B) Interest Charges/LC Charges	62,543	62,543	62,543	62,543	62,543	62,543	375,259
TOTAL Handling Costs	$ 1,074,096	$ 1,074,657	$ 1,075,839	$ 1,075,447	$ 1,076,402	$ 1,076,972	$ 6,453,413
	1,074,096	1,074,657	1,075,839	1,075,447	1,076,402	1,076,972	

Notes:

(A) Total Excess Laytime & O/T Charges for period 10/19 thru 09/20 $ 110,987.80
Total barrels offloaded FY 2020 2,160,345
Rate per barrel $0.0514

(B) Total Bank Charges (commission, issuance, LC fees) See FY21 budget

(c) Fiscal Year 20 budget for Labor $ 99,269.00
Divided by 12 months 12.00
Estimated labor charges FY20 $ 8,272.42

(D) Fuel Hedging Gain/loss - No Hedging Contract is in place.

(E) Lube oil is not included since Cabras 3&4 is not operational

(F) Sale to Matson
Average No. of Barrels for FY 2019 1432.19
Multiplied by $2.03 for handling fee and $4.20 for bunker fee plus 15% markup; $.66 for royalty fee; $.02 Maritime Security Fee

Schedule 6

GUAM POWER AUTHORITY
Inventory Effect of Number Six Costs

		Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Ending
Layer 1	Inventory (bbls)	67,673	-	-	-	-	-	-
	Price/Bbl	$ 73.71	$ 73.71	$ 73.71	$ 73.71	$ 73.71	$ 73.71	$ 73.71
Layer 2	Inventory (bbls)	240,000	166,422	14,254	-	-	-	-
	Price/Bbl	$ 75.32	$ 75.32	$ 75.32	$ 75.32	$ 75.32	$ 75.32	$ 75.32
Layer 3	Inventory (bbls)	240,000	240,000	240,000	79,075	-	-	-
	Price/Bbl	$ 75.37	$ 75.37	$ 75.37	$ 75.37	$ 75.37	$ 75.37	$ 75.37
Layer 4	Inventory (bbls)	240,000	240,000	240,000	240,000	151,535	-	-
	Price/Bbl	$ 75.15	$ 75.15	$ 75.15	$ 75.15	$ 75.15	$ 75.15	$ 75.15
Layer 5	Inventory (bbls)	240,000	240,000	240,000	240,000	240,000	205,402	8,164
	Price/Bbl	$ 75.11	$ 75.11	$ 75.11	$ 75.11	$ 75.11	$ 75.11	$ 75.11
Layer 6	Inventory (bbls)	240,000	240,000	240,000	240,000	240,000	240,000	240,000
	Price/Bbl	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04
Layer 7	Inventory (bbls)	240,000	240,000	240,000	240,000	240,000	240,000	240,000
	Price/Bbl	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04	$ 74.04
Total Consumption (bbls)		141,251.17	152,167.95	175,179.53	167,539.83	186,132.93	197,237.65	1,019,509.06
Total Barrels	Layer 1	67,673.47	-	-	-	-	-	
	Layer 2	73,577.70	152,167.95	14,254.35	-	-	-	
	Layer 3	-	-	160,925.18	79,074.82	-	-	
	Layer 4	-	-	-	88,465.01	151,534.99	-	
	Layer 5	-	-	-	-	34,597.94	197,237.65	
	Layer 6	-	-	-	-	-	-	
	Layer 7	-	-	-	-	-	-	
	Total	141,251.17	152,167.95	175,179.53	167,539.83	186,132.93	197,237.65	
Cost	Layer 1	$ 4,988,330.85	$ -	$ -	$ -	$ -	$ -	
	Layer 2	$ 5,541,799.80	$ 11,461,139.89	$ 1,073,623.69	$ -	$ -	$ -	
	Layer 3	$ -	$ -	$ 12,129,581.90	$ 5,960,189.02	$ -	$ -	
	Layer 4	$ -	$ -	$ -	$ 6,648,492.01	$ 11,388,448.73	$ -	
	Layer 5	$ -	$ -	$ -	$ -	$ 2,598,538.74	$ 14,813,878.54	
	Layer 6	$ -	$ -	$ -	$ -	$ -	$ -	
	Layer 7	$ -	$ -	$ -	$ -	$ -	$ -	
	Total	$ 10,530,130.65	$ 11,461,139.89	$ 13,203,205.59	$ 12,608,681.03	$ 13,986,987.46	$ 14,813,878.54	$ 76,604,023.17
	Price Per Barrel	$ 74.55	$ 75.32	$ 75.37	$ 75.26	$ 75.15	$ 75.11	$ 75.14

	$/Bbl		Asia Noon Call Forward Prices in MT	Premium - HSFO per barrel	Premium - LSFO per barrel	Weighted Avg Premium		Price/MT	Price/Bbl	Price/Bbl w Premium
Dec-20	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Jan-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Feb-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Mar-21	$ -	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
Apr-21	$ 60.73	Actual	$ -	$ 11.27	$ 19.61	14.19	1	-	-	14.19
May-21	$ 73.71	Actual	$ 388.69	$ 11.27	$ 19.61	14.19	1	388.69	61.11	75.30
Jun-21	$ 75.32	Forecast	$ 388.79	$ 11.27	$ 19.61	14.19	1	388.79	61.13	75.32
Jul-21	$ 75.37	Forecast	$ 389.14	$ 11.27	$ 19.61	14.19	1	389.14	61.19	75.37
Aug-21	$ 75.15	Forecast	$ 387.74	$ 11.27	$ 19.61	14.19	1	387.74	60.97	75.15
Sep-21	$ 75.11	Forecast	$ 387.44	$ 11.27	$ 19.61	14.19	1	387.44	60.92	75.11
Oct-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04
Nov-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04
Dec-21	$ 74.04	Forecast	$ 380.64	$ 11.27	$ 19.61	14.19	1	380.64	59.85	74.04

Note: Fuel forecast was based using Morgan Stanley Energy Noon Call Asia on Sing HSFO 180CST dated 05.06.21 to 05.12.21

Balance as of 03.31.21	HSFO	187,637.47	$ 67.87	$ 12,735,297.33
	LSFO	249,850.26	$ 55.37	13,835,213.26
		437,487.73	$ 60.73	$ 26,570,510.59
	May Shipment			
	HSFO	155,378.00	$ 71.26	$ 11,072,097.79
	LSFO	82,381.00	$ 78.34	$ 6,453,536.87
		237,759.00	$ 73.71	17,525,634.66

LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

Workpaper for Number 2 oil pricing:

		40694				
Actual Invoice	Shell				2020	0
Temes		0	$ 0.2620	$	0.215	
Diesel		0	$ 0.2420	$	0.257	
CT		0	$ 0.2420	$	0.221	
Aggreko		0	$ 0.2620	$	0.226	
Total		0	$ 1.0080	$	0.919	
Average		0	$ 0.2520	$	0.230	
Multiplied by 42		0	$ 10.5840	$	9.650	

Premium fee	$	10.58	Source: FY19 August Invoice
Premium fee	$	9.65	01/01/20 - 01/31/21

Note: Fuel forecast was based using the Morgan Stanley
Gasoil 10ppm dated **05.06.21** to **05.12.21**

				Forecast			
Aug-21	$	83.53	Forecast	$	73.89	1	73.89
Sep-21	$	83.53	Forecast	$	73.88	1	73.88
Oct-21	$	83.18	Forecast	$	73.53	1	73.53
Nov-21	$	83.18	Forecast	$	73.53	1	73.53
Dec-21	$	83.18	Forecast	$	73.53	1	73.53
Jan-22	$	82.71	Forecast	$	73.06	1	73.06

LEAC Aug 21 thru Jan 22 at 15M Under recovery at 15 M Under as of 01.31.22 7.5m under

GPA HEDGE CONTRACTS

There are no hedge contracts in effect for this LEAC period.

Schedule 9

IWPS TOTAL GENERATION (MWh)		141,340		136,781		142,530		137,932		142,530		142,530	702,301
	Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		Forecast by Generation		
	Aug-21	Aug-21	Sep-21	Sep-21	Oct-21	Oct-21	Nov-21	Nov-21	Dec-21	Dec-21	Jan-22	Jan-22	
Cabras 1	33,488	30,941	32,132	30,740	37,718	36,348	34,190	32,283	35,180	33,989	37,075	38,075	
Cabras 2	9,689	8,952	15,808	15,123	35,129	33,854	32,649	30,828	32,246	31,154	33,068	33,960	
Cabras 3		-		-		-		-		-		-	
Cabras 4		-		-		-		-		-		-	
ENRON 1	28,781	26,591	27,815	26,609	31,201	30,069	14,711	13,890	28,823	27,847	26,765	27,487	
ENRON 2	28,975	26,771	28,223	27,000	9,545	9,198	30,240	28,554	26,719	25,814	24,887	25,559	
HEI 1		-		-		-		-		-		-	
HEI 2		-		-		-		-		-		-	
Dededo CT 1	1,485	1,372	493	472	507	489	485	458	267	258	48	50	
Dededo CT 2	928	857	403	385	-	-	-	-	-	-		-	
Macheche CT	9,100	8,407	4,384	4,194	4,608	4,441	5,081	4,798	2,253	2,177	2,063	2,119	
Aggreko	3,113	2,876	4,762	4,555	2,272	2,190	4,899	4,626	4,302	4,156	936	961	
Yigo CT	7,078	6,540	6,043	5,781	7,331	7,065	6,345	5,992	3,915	3,782	4,690	4,817	
TEMES CT	7,099	6,559	3,913	3,744	3,218	3,101	4,062	3,835	1,761	1,702	1,536	1,577	
Dededo Diesel 1		-		-		-		-		-		-	
Dededo Diesel 2		-		-		-		-		-		-	
Dededo Diesel 3		-		-		-		-		-		-	
Dededo Diesel 4		-		-		-		-		-		-	
Pulantat Diesel 1	2,720	2,513	2,212	2,116	1,839	1,772	1,608	1,518	1,588	1,534	1,173	1,205	
Pulantat Diesel 2	2,740	2,532	2,204	2,108	2,416	2,328	-	-	-	-	-	-	
Talofofo Diesel 1	2,904	2,683	2,752	2,633	2,202	2,122	1,986	1,875	2,432	2,350	1,371	1,408	
Talofofo Diesel 2	2,912	2,690	2,772	2,652	2,952	2,845	2,740	2,587	2,500	2,415	-	-	
Tenjo Diesel 1	2,100	1,940	1,360	1,301	789	760	750	708	644	622	399	410	
Tenjo Diesel 2	2,020	1,866	1,280	1,225	666	642	648	612	500	483	357	367	
Tenjo Diesel 3	-	-	-	-	-	-	-	-	-	-	-	-	
Tenjo Diesel 4	1,892	1,748	1,324	1,267	753	726	792	748	536	518	381	391	
Tenjo Diesel 5	1,936	1,789	1,400	1,339	852	821	810	765	628	607	408	419	
Tenjo Diesel 6	-	-	-	-	-	-	-	-	-	-	-	-	
Solar	4,018	3,712	3,697	3,537	3,901	3,759	4,083	3,855	3,232	3,123	3,628	3,726	
	152,977	141,340	142,976	136,781	147,899	142,530	146,078	137,932	147,526	142,530	138,785	142,530	

Schedule 10

ASSUMPTIONS/ADD'L INFORMATION:

1. Losses Allocated using FY 2012 Rate Case Loss Percentages

	Mwh	Ratio to Sales	Discount Percentage	Ratio to net send out **
Total Mwh Sales -FY15	1,539,587			1,622,942
Plant Use - (FY 15)	83,060	5.39%		
Transmission Total		2.32%		
Transmission Losses-115		0.85%	95.70%	
Transmission Losses-34.4		1.19%	96.89%	
Primary Losses-13.8		0.28%	97.17%	
Distribution losses		2.83%		
Company use (FY15)	4,088	0.27%		

Note A:	Mwh	Ratio	Allocated FY12 T&D Losses	
Total T&D losses FY15	79,267		5.15%	4.88%

Schedule 11

LEAC Rates Applicable to Different Sales Level

	Adjusted LEAC Rate		Cost Shift
Total Sales -MWH		615,376	
Less: Sales			
Primary (Line 18* AssumptionsS10:F14)	0.1625544	22,204.76	$ 3,609,480.52
34.5 (Line 18* AssumptionsS10:F13)	0.1620862	11,167.01	$ 1,810,018.38
115 (Line 18* AssumptionsS10:F12)	0.1600908	37.99	$ 6,081.51
Net Sales - MWh	581,966.37	581,966.37	$ 5,425,580.41

Total Civilian Fuel Cost	$	93,563,153.27
Add: DSM	$	1,500,000.00
Over/(Under) Recovery	$	15,379,234.25
Less: Fuel Costs Recovery from Discounted Customers	$	(5,425,580.41)
Less: 0% under Recovery	$	(7,500,000.00)
Civilian Fuel Cost (Net of Discounted Customers)	$	97,516,807.11
LEAC Rate without discount(Line 8 +9+10/Line 1)	$	0.167284
Proposed Original LEAC Rate	$	-
Difference (Line 13 - Line 15)	$	0.167284
LEAC Rate with discount(Line13//Line 6)	$	0.167564

Renewables Generation MWh

Description	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	TOTALS
QGP20 MW Solar	3,712	3,537	3,759	3,855	3,123	3,726	21,711
Contract Price ($/MWh)	$ 203.00	$ 203.00	$ 203.00	$ 203.00	$ 203.00	$ 203.00	
Contract Cost	$ 753,609	$ 717,943	$ 763,141	$ 782,540	$ 633,891	$ 756,290	$ 4,407,414.0

Note: Contract price escalates each contract year. (see Renewable Contract Price for details)

LEAC
RECONCILIATION
ATTACHMENT III

FY2020 and FY2021
ACTUAL
LEAC RECOVERY
Through April 2021

Guam Power Authority
Actual Generation, Fuel, Sales & Losses
Fiscal Year 2021

Description	Actual Oct-20	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual TOTAL
Cabras #1								
Generation (Kwh)	34,726,000	29,264,000	23,928,000	34,000,000	26,635,000	36,231,000	33,299,000	218,083,000
Kwh/Barrel	585	588	592	594	585	592	576	587
Total Barrels	59,343	49,809	40,439	57,239	45,495	61,162	57,776	371,263
Mmbtu/Kwh (Heat Rate)	10,424	10,382	10,309	10,269	10,419	10,298	10,584	10,385
Cabras #2								
Generation (Kwh)	30,778,000	37,245,000	35,134,000	35,495,000	24,506,000	4,867,000	17,355,000	185,380,000
Kwh/Barrel	590	588	581	578	563	550	589	581
Total Barrels	52,154	63,387	60,467	61,396	43,513	8,843	29,484	319,245
Mmbtu/Kwh (Heat Rate)	10,337	10,382	10,498	10,551	10,831	11,084	10,363	10,505
Piti #8 (MEC/Enron)								
Generation (Kwh)	24,203,100	28,494,100	21,335,400	25,185,900	21,973,800	30,072,000	29,723,900	180,988,200
Kwh/Barrel	740	747	715	744	756	749	743	742
Total Barrels	32,702	38,123	29,826	33,872	29,057	40,171	40,018	243,769
Mmbtu/Kwh (Heat Rate)	8,242	8,161	8,527	8,204	8,066	8,149	8,213	8,216
Piti #9 (MEC/Enron)								
Generation (Kwh)	28,907,900	23,059,500	28,032,400	27,094,000	25,283,500	28,424,600	29,815,000	190,616,900
Kwh/Barrel	731	725	712	728	741	743	739	731
Total Barrels	39,556	31,808	39,385	37,210	34,114	38,239	40,366	260,678
Mmbtu/Kwh (Heat Rate)	8,347	8,414	8,570	8,378	8,230	8,206	8,259	8,342
Total Gen.Kwh (B/load)	118,615,000	118,062,600	108,429,800	121,774,900	98,398,300	99,594,600	110,192,900	775,068,100
Total Barrels	183,755	183,127	170,117	189,717	152,180	148,416	167,644	1,194,955
Price per Barrel	45.40	51.56	51.08	55.67	58.52	61.93	61.13	54.71
Total Cost	8,343,315	9,442,269	8,690,087	10,560,731	8,905,291	9,191,079	10,247,664	65,380,436

Description	Actual Oct-20	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual TOTAL
Dededo CT #1								
Generation (Kwh)	42,010	48,180	234,320	36,570	594,110	1,916,270	2,468,880	5,340,340
Kwh/Barrel	456	288	314	880	292	298	325	312
Total Barrels	92	167	746	42	2,033	6,427	7,604	17,112
Mmbtu/Kwh (Heat Rate)	12,707	20,117	18,474	6,590	19,852	19,454	17,864	18,585
Dededo CT #2								
Generation (Kwh)	39,380	125,310	308,180	23,630	932,790	2,063,460	2,983,960	6,476,710
Kwh/Barrel	519	292	303	889	337	306	326	321
Total Barrels	76	429	1,016	27	2,765	6,740	9,149	20,200
Mmbtu/Kwh (Heat Rate)	11,170	19,844	19,124	6,527	17,190	18,944	17,782	18,089
Macheche CT								
Generation (Kwh)	2,233,474	3,184,395	5,024,159	3,245,255	4,749,790	7,943,020	7,935,569	34,315,662
Kwh/Barrel	430	474	455	431	458	460	487	461
Total Barrels	5,192	6,723	11,045	7,531	10,370	17,253	16,303	74,418
Mmbtu/Kwh (Heat Rate)	13,483	12,246	12,751	13,460	12,663	12,598	11,916	12,578
Yigo CT								
Generation (Kwh)	2,316,676	2,612,190	4,063,542	67,487	3,727,005	3,836,860	7,316,760	23,940,520
Kwh/Barrel	423	452	466	365	445	466	494	464
Total Barrels	5,472	5,783	8,714	185	8,368	8,228	14,800	51,550
Mmbtu/Kwh (Heat Rate)	13,700	12,841	12,437	15,903	13,022	12,438	11,732	12,489
TEMES CT (Piti #7)								
Generation (Kwh)	500,084	1,121,054	3,698,725	799,451	3,118,188	7,715,723	5,440,339	22,393,564
Kwh/Barrel	358	361	361	351	349	343	360	352
Total Barrels	1,399	3,104	10,237	2,280	8,944	22,469	15,102	63,535
Mmbtu/Kwh (Heat Rate)	16,222	16,061	16,052	16,540	16,636	16,891	16,100	16,456
Tenjo Vista								
Generation (Kwh)	2,335,660	1,974,360	743,680	35,680	746,320	2,946,990	3,249,860	12,032,550
Kwh/Barrel	563	573	583	594	568	554	552	561
Total Barrels	4,151	3,444	1,276	60	1,314	5,324	5,887	21,454
Mmbtu/Kwh (Heat Rate)	10,307	10,116	9,950	9,757	10,209	10,479	10,506	10,342
Manengon (MDI)								
Generation (Kwh)	2,330	3,832	0	9,087	0	50,726	25,007	90,982
Kwh/Barrel	620	619	#DIV/0!	223	#DIV/0!	594	620	515
Total Barrels	4	6	0	41	0	85	40	177
Mmbtu/Kwh (Heat Rate)	9,360	9,369		26,003		9,770	9,361	11,252

Description	Actual Oct-20	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual TOTAL
Talofofo								
Generation (Kwh)	2,340	3,410	0	0	171,600	1,330,770	370,420	1,878,540
Kwh/Barrel	588	587	#DIV/0!	#DIV/0!	597	602	605	602
Total Barrels	4	6	0	0	287	2,210	612	3,120
Mmbtu/Kwh (Heat Rate)	9,865	9,882			9,717	9,634	9,584	9,632
NRG Solar Dandan								
Generation (Kwh)	3,768,953	3,808,520	3,972,030	4,344,590	4,339,500	5,064,100	5,743,750	31,041,443
Kwh/Barrel	0	0	0	0	0	0	0	0
Total Barrels	0	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)	0	0	0	0	0	0	0	0
Marbo CT								
Generation (Kwh)	0	0	0	0	0	0	0	0
Kwh/Barrel	0	0	0	0	0	0	0	0
Total Barrels	0	0	0	0	0	0	0	0
Mmbtu/Kwh (Heat Rate)								
Aggreko								
Generation (Kwh)	11,958,499	10,906,765	12,853,508	8,523,023	11,442,323	10,737,037	1,028,346	67,449,501
Kwh/Barrel	547	543	522	565	537	528	582	539
Total Barrels	21,869	20,085	24,608	15,083	21,318	20,347	1,766	125,077
	10,607	10,681	11,104	10,264	10,806	10,991	9,958	10,755
Wind Turbine								
Generation (Kwh)	0	0	0	0	0	0	0	0
Kwh/Barrel	0	0	0	0	0	0	0	0
Total Barrels	0	0	0	0	0	0	0	0
Total Gen.Kwh (CT/DSL)	23,199,406	23,788,016	30,898,144	17,084,773	29,821,626	43,604,955	36,562,891	204,959,812
Total Barrels	38,259	39,748	57,642	25,248	55,400	89,084	71,262	376,642
Price per Barrel	58.91	57.50	57.91	62.85	67.23	76.53	79.23	68.11
Total Cost	2,253,643	2,285,606	3,337,985	1,586,808	3,724,737	6,817,915	5,645,875	25,652,569
Total Gross Generation	141,814,406	141,850,616	139,327,944	138,859,673	128,219,926	143,199,555	146,755,791	980,027,912
Total Barrels	222,013	222,874	227,759	214,965	207,579	237,500	238,906	1,571,598
Total Fuel Costs	10,596,958	11,727,875	12,028,072	12,147,540	12,630,028	16,008,994	15,893,539	91,033,004

Description	Actual Oct-20	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual TOTAL
Sales (Kwh):								
Civilian	101,601,316	101,403,018	101,975,550	102,210,199	91,907,713	104,250,386	102,149,537	705,497,719
Navy	25,913,357	27,037,233	26,077,078	26,998,129	23,290,980	25,707,988	23,118,519	178,143,284
Sub-Total	127,514,673	128,440,251	128,052,628	129,208,328	115,198,693	129,958,374	125,268,056	883,641,003
Plant Use	5,778,857	5,709,658	5,630,731	6,010,416	5,241,210	5,023,925	5,575,607	38,970,403
T & D Losses	8,235,090	7,353,724	5,300,656	3,308,139	7,475,038	7,889,418	15,557,645	55,119,711
Company Use	285,786	346,983	343,929	332,790	304,985	327,838	354,483	2,296,794
Gross Generation	141,814,406	141,850,616	139,327,944	138,859,673	128,219,926	143,199,555	146,755,791	55,119,711
Fuel Expense:								
Total Fuel Costs	10,596,958	11,727,875	12,028,072	12,147,540	12,630,028	16,008,994	15,893,539	91,033,004
Fuel Handling	1,487,219	1,695,340	1,470,288	1,621,521	1,607,503	1,705,038	1,556,570	11,143,478
Sounding Variance/Adjustments	(14,223)	(2,494)	-	-	-	-	-	(16,717)
Total Fuel Expense	12,069,954	13,420,720	13,498,360	13,769,060	14,237,531	17,714,032	17,450,109	102,159,765
Recoveries from Navy	(2,404,931)	(2,495,134)	(2,915,333)	(2,794,899)	(2,616,931)	(3,316,485)	(3,031,957)	(19,575,670)
Net Fuel Expense	9,665,023	10,925,586	10,583,027	10,974,161	11,620,600	14,397,547	14,418,152	82,584,095
Civilian Recovery:								
Beg. Recovery Balance	5,137,018	6,296,650	8,733,140	10,796,841	13,230,995	14,227,927	17,500,032	5,137,018
Net Fuel Expense	9,665,023	10,925,586	10,583,027	10,974,161	11,620,600	14,397,547	14,418,152	82,584,095
Current Fuel Cost Rec.-Civilian	8,505,391	8,489,095	8,519,326	8,540,007	10,623,668	11,125,442	10,900,466	66,703,395
Current Fuel Cost Rec.-Invty	-	-	-	-	-	-	-	-
Current Fuel Cost Rec.	8,505,391	8,489,095	8,519,326	8,540,007	10,623,668	11,125,442	10,900,466	66,703,395
Monthly (over)/under	1,159,632	2,436,491	2,063,701	2,434,154	996,932	3,272,105	3,517,686	15,880,700
Navy Adjustment	2,404,931	2,495,134	2,915,333	2,794,899	2,616,931	3,316,485	3,031,957	-
End Recovery Balance, Fuel	6,296,650	8,733,140	10,796,841	13,230,995	14,227,927	17,500,032	21,017,719	21,017,719

ATTACHMENT IV

SUPPORT FOR DISPATCH ASSUMPTION

UNIT	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Sol1	4,377	4,018	3,697	3,901	4,083	3,232	3,628
Wind1	6	8	8	8	8	8	8
AGG1-2	3,651	3,113	4,762	2,272	4,899	4,302	936
Cab01_Th	35,488	33,488	32,132	37,718	34,190	35,180	37,075
Cab02_Th	29,160	9,689	15,808	35,129	32,649	32,246	33,068
DedCT01	308	1,485	493	507	485	267	48
DedCT02	336	928	403	-	-	-	-
Mac01	3,358	9,100	4,384	4,608	5,081	2,253	2,063
Piti07	3,953	7,099	3,913	3,218	4,062	1,761	1,536
Piti08_Th	26,460	28,781	27,815	31,201	14,711	28,823	26,765
Piti09_Th	28,378	28,975	28,223	9,545	30,240	26,719	24,887
Pul01	1,365	2,720	2,212	1,839	1,608	1,588	1,173
Pul02	-	2,740	2,204	2,416	-	-	-
Tal01	2,037	2,904	2,752	2,202	1,986	2,432	1,371
Tal02	-	2,912	2,772	2,952	2,740	2,500	-
Ten01	780	2,100	1,360	789	750	644	399
Ten02	810	2,020	1,280	666	648	500	357
Ten03	-	-	-	-	-	-	-
Ten04	714	1,892	1,324	753	792	536	381
Ten05	690	1,936	1,400	852	810	628	408
Ten06	-	-	-	-	-	-	-
Yig01	4,690	7,078	6,043	7,331	6,345	3,915	4,690
-							
-							
-							
-							
-							
Sales as % of Gross	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*

**Sales forecast*

GROSS GENERATION	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
TOTAL MWH	146,558	152,984	142,984	147,907	146,086	147,534	138,793
Daily Ave	4,728	4,935	4,766	4,771	4,870	4,759	4,477
Days	31	31	30	31	30	31	31
% Diesel	15%	31%	25%	21%	21%	14%	10%
Peak MW	**248**	**256**	**248**	**249**	**245**	**240**	**229**

Last Year's Peak	July-20	August-20	September-20	October-20	November-20	December-20	January-21
MW	237	243	244	239	246	231	229

Last Year's Gross Gen	July-20	August-20	September-20	October-20	November-20	December-20	January-21
TOTAL MWH	146,743	143,983	135,803	141,817	141,839	141,410	138,599
Daily Ave	4,734	4,645	4,527	4,575	4,728	4,562	4,471
Days	31	31	30	31	30	31	31
	146,742,897	143,983,197	135,803,486	141,816,663	141,838,588	141,409,987	138,598,956

ATTACHMENT V

SUPPORT FOR FUEL PRICE PER BARREL

Price Indication

6-May-21

Below are the desk's good-faith estimates of where Morgan Stanley Commodities value crude / product swaps for the periods indicated. The numbers simply represent our assessment of where fair value for the underlying commodities is, and do not represent a bid or an offer to buy or to sell the commodities. Please refer to the important disclaimer, related to this table, at the end in the first section of the disclaimers.

Crude Oils

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
WTI Swap	65.67	65.58	65.25	64.82	64.79	63.26	61.85	60.61	60.16
Brent Swap	69.06	68.69	68.25	67.77	67.77	66.39	65.30	64.36	63.97
Dubai Swap	66.99	66.60	66.08	65.57	65.57	64.18	63.17	62.28	61.90
Dated Brent Swap	69.42	68.61	68.24	67.78	67.78	66.41	65.23	64.29	63.90

Source: Morgan Stanley - Commodities Sales and Trading

Asia Oil Products

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Japan Naphtha	610.19	603.69	597.69	591.94	592.10	577.94	563.27	545.60	542.33
Sing 92 RON Mogas	75.77	75.37	74.83	74.21	74.16	71.91	70.85	70.25	69.28
Sing 95 RON Mogas	77.82	77.37	76.73	76.11	76.06	73.71	72.55	71.95	70.98
Sing Kerosene	72.63	72.54	72.64	72.74	72.72	72.83	72.63	72.39	72.28
Sing Gasoil 500ppm	72.66	72.87	72.88	72.88	72.86	72.62	72.18	71.79	71.60
Sing Gasoil 10ppm	74.06	74.10	74.11	74.11	74.09	73.75	73.27	72.88	72.69
Sing HSFO 180CST	394.03	393.53	393.03	391.03	390.70	382.12	376.70	371.62	368.20
Sing HSFO 380CST	393.03	392.53	390.53	387.53	387.37	379.45	374.87	369.45	366.41
Sing 0.5%FO FobC	502.74	502.19	501.05	500.98	500.98	500.00	495.36	490.07	488.69

Cracks / Differentials

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Dated Brent / Dubai	2.43	2.01	2.16	2.22	2.21	2.23	2.05	2.01	2.00
Brent / Dubai	2.07	2.09	2.17	2.21	2.20	2.21	2.13	2.08	2.07
Japan Naphtha / Brent (8.9)	(0.50)	(0.86)	(1.09)	(1.26)	(1.24)	(1.45)	(2.01)	(3.06)	(3.03)
Japan Naphtha / Dubai (8.9)	1.57	1.23	1.08	0.94	0.96	0.75	0.12	(0.98)	(0.97)
Japan Naphtha / Brent (9.0)	(1.26)	(1.61)	(1.84)	(2.00)	(1.98)	(2.17)	(2.71)	(3.74)	(3.71)
Japan Naphtha / Dubai (9.0)	0.81	0.48	0.33	0.21	0.22	0.03	(0.59)	(1.66)	(1.64)
92 RON / Dubai	8.78	8.77	8.75	8.64	8.59	7.73	7.68	7.97	7.38
95 RON / Dubai	10.84	10.77	10.65	10.54	10.49	9.53	9.38	9.67	9.08
92 RON / Brent	6.71	6.68	6.58	6.44	6.39	5.52	5.55	5.89	5.31
SKero / Dubai	5.64	5.95	6.57	7.18	7.15	8.65	9.46	10.11	10.38
SGO 10ppm / Dubai	7.08	7.51	8.04	8.55	8.53	9.57	10.09	10.60	10.79
SGO 10ppm / FO380CST*	13.60	13.71	14.03	14.49	14.50	15.37	15.60	16.04	16.32
Gasoil EFS (10ppm)	(4.35)	(5.30)	(6.60)	(7.73)	(7.87)	(10.64)	(10.62)	(9.48)	(10.49)
FO180 / Dubai*	(6.37)	(6.05)	(5.61)	(5.41)	(5.46)	(5.39)	(5.22)	(5.11)	(5.26)
FO380 / Dubai*	(6.52)	(6.21)	(5.99)	(5.94)	(5.97)	(5.81)	(5.50)	(5.44)	(5.53)

Source: Morgan Stanley - Commodities Sales and Trading

** FO Conversion = 6.5*

Please see additional important information and qualifications at the end of this material.

Price Indication

7-May-21

Below are the desk's good-faith estimates of where Morgan Stanley Commodities value crude / product swaps for the periods indicated. The numbers simply represent our assessment of where fair value for the underlying commodities is, and do not represent a bid or an offer to buy or to sell the commodities. Please refer to the important disclaimer, related to this table, at the end in the first section of the disclaimers.

Crude Oils

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
WTI Swap	65.11	65.03	64.75	64.39	64.36	63.01	61.72	60.60	60.17
Brent Swap	68.49	68.16	67.74	67.30	67.30	66.05	65.07	64.23	63.87
Dubai Swap	66.49	65.94	65.45	64.99	64.99	63.73	62.78	62.01	61.67
Dated Brent Swap	68.76	67.98	67.65	67.24	67.25	66.02	64.98	64.13	63.77
Oman Swap	65.31	65.26	65.51	65.81	65.56	64.54	63.57	62.84	62.51

Source: Morgan Stanley - Commodities Sales and Trading

Asia Oil Products

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Japan Naphtha	603.60	597.85	592.85	588.10	588.35	576.35	562.93	546.35	543.33
Sing 92 RON Mogas	75.44	75.05	74.49	73.87	73.82	71.65	70.62	70.10	69.45
Sing 95 RON Mogas	77.74	77.05	76.39	75.77	75.72	73.45	72.12	71.60	70.95
Sing Kerosene	71.92	71.86	71.94	72.05	72.03	72.15	72.01	71.83	71.77
Sing Gasoil 500ppm	71.89	72.17	72.28	72.29	72.27	72.06	71.70	71.37	71.23
Sing Gasoil 10ppm	73.30	73.45	73.46	73.47	73.46	73.14	72.73	72.40	72.26
Sing HSFO 180CST	390.87	390.87	390.62	388.62	388.37	380.62	376.04	371.63	368.20
Sing HSFO 380CST	390.37	390.12	388.12	385.37	385.20	378.29	374.45	369.55	366.53
Sing 0.5%FO FobC	496.01	496.11	497.19	498.30	498.26	496.48	492.40	486.94	486.27

Cracks / Differentials

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Dated Brent / Dubai	2.27	2.04	2.20	2.25	2.25	2.29	2.19	2.12	2.10
Brent / Dubai	2.00	2.22	2.29	2.31	2.31	2.32	2.28	2.22	2.19
Japan Naphtha / Brent (8.9)	(0.67)	(0.98)	(1.13)	(1.22)	(1.19)	(1.29)	(1.82)	(2.84)	(2.82)
Japan Naphtha / Dubai (8.9)	1.33	1.24	1.17	1.09	1.11	1.03	0.47	(0.62)	(0.62)
Japan Naphtha / Brent (9.0)	(1.42)	(1.73)	(1.87)	(1.95)	(1.93)	(2.01)	(2.52)	(3.52)	(3.50)
Japan Naphtha / Dubai (9.0)	0.57	0.49	0.43	0.36	0.38	0.31	(0.24)	(1.30)	(1.30)
92 RON / Dubai	8.95	9.12	9.05	8.89	8.83	7.92	7.84	8.10	7.78
95 RON / Dubai	11.25	11.12	10.95	10.79	10.73	9.72	9.34	9.60	9.28
92 RON / Brent	6.95	6.90	6.75	6.58	6.52	5.60	5.55	5.87	5.59
SKero / Dubai	5.43	5.92	6.49	7.06	7.04	8.42	9.22	9.82	10.09
SGO 10ppm / Dubai	6.81	7.51	8.01	8.48	8.46	9.42	9.95	10.39	10.59
SGO 10ppm / FO380CST*	13.25	13.43	13.75	14.18	14.19	14.94	15.12	15.55	15.87
Gasoil EFS (10ppm)	(4.89)	(5.55)	(6.85)	(8.15)	(8.17)	(11.13)	(11.00)	(10.01)	(10.68)
FO180 / Dubai*	(6.36)	(5.80)	(5.35)	(5.20)	(5.24)	(5.17)	(4.93)	(4.83)	(5.03)
FO380 / Dubai*	(6.44)	(5.92)	(5.73)	(5.70)	(5.73)	(5.53)	(5.18)	(5.15)	(5.28)

Source: Morgan Stanley - Commodities Sales and Trading

** FO Conversion = 6.5*

Please see additional important information and qualifications at the end of this material.

Price Indication

10-May-21

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Crude Oils

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
WTI Swap	65.13	65.08	64.83	64.48	64.45	63.11	61.80	60.67	60.24
Brent Swap	68.53	68.27	67.87	67.45	67.45	66.21	65.22	64.39	64.03
Dubai Swap	66.49	66.02	65.53	65.10	65.10	63.88	62.94	62.21	61.87
Dated Brent Swap	68.81	68.02	67.75	67.38	67.37	66.13	65.09	64.26	63.90

Source: Morgan Stanley - Commodities Sales and Trading

Asia Oil Products

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Japan Naphtha	603.07	598.82	593.82	589.07	589.24	577.41	563.82	546.57	544.10
Sing 92 RON Mogas	75.77	75.36	74.87	74.29	74.25	72.23	71.22	70.64	69.78
Sing 95 RON Mogas	77.70	77.31	76.85	76.27	76.23	74.03	72.92	72.34	71.48
Sing Kerosene	72.41	72.38	72.49	72.53	72.55	72.64	72.46	72.26	72.18
Sing Gasoil 500ppm	72.43	72.74	72.86	72.85	72.85	72.59	72.20	71.85	71.69
Sing Gasoil 10ppm	73.89	74.04	74.06	74.05	74.05	73.69	73.25	72.90	72.74
Sing HSFO 180CST	388.17	388.17	388.67	387.17	386.92	380.42	376.59	372.98	369.78
Sing HSFO 380CST	387.67	388.17	386.67	384.42	384.17	378.42	375.25	371.32	368.30
Sing 0.5%FO FobC	496.84	497.30	497.97	498.63	498.71	496.90	493.32	488.61	488.20

Cracks / Differentials

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Dated Brent / Dubai	2.32	2.00	2.22	2.27	2.26	2.25	2.15	2.05	2.03
Brent / Dubai	2.04	2.25	2.34	2.34	2.34	2.32	2.28	2.18	2.16
Japan Naphtha / Brent (8.9)	(0.77)	(0.98)	(1.15)	(1.26)	(1.24)	(1.33)	(1.87)	(2.97)	(2.89)
Japan Naphtha / Dubai (8.9)	1.27	1.27	1.19	1.09	1.10	0.99	0.41	(0.79)	(0.73)
Japan Naphtha / Brent (9.0)	(1.53)	(1.73)	(1.89)	(1.99)	(1.98)	(2.05)	(2.57)	(3.66)	(3.57)
Japan Naphtha / Dubai (9.0)	0.52	0.52	0.45	0.35	0.37	0.27	(0.30)	(1.48)	(1.41)
92 RON / Dubai	9.27	9.34	9.34	9.19	9.14	8.35	8.28	8.43	7.91
95 RON / Dubai	11.21	11.29	11.32	11.17	11.12	10.15	9.98	10.13	9.61
92 RON / Brent	7.23	7.09	7.00	6.84	6.80	6.03	6.00	6.25	5.76
SKero / Dubai	5.92	6.37	6.96	7.43	7.45	8.76	9.52	10.05	10.31
SGO 10ppm / Dubai	7.40	8.03	8.53	8.95	8.94	9.80	10.31	10.69	10.87
SGO 10ppm / FO380CST*	14.25	14.33	14.58	14.91	14.94	15.47	15.52	15.77	16.08
Gasoil EFS (10ppm)	(5.66)	(6.00)	(6.98)	(8.18)	(8.23)	(11.28)	(10.76)	(9.44)	(10.40)
FO180 / Dubai*	(6.77)	(6.30)	(5.74)	(5.54)	(5.58)	(5.36)	(5.01)	(4.82)	(4.98)
FO380 / Dubai*	(6.85)	(6.30)	(6.04)	(5.96)	(6.00)	(5.67)	(5.21)	(5.08)	(5.21)

Source: Morgan Stanley - Commodities Sales and Trading

** FO Conversion = 6.5*

Please see additional important information and qualifications at the end of this material.

Price Indication

11-May-21

Below are the desk's good-faith estimates of where Morgan Stanley Commodities value crude / product swaps for the periods indicated. The numbers simply represent our assessment of where fair value for the underlying commodities is, and do not represent a bid or an offer to buy or to sell the commodities. Please refer to the important disclaimer, related to this table, at the end in the first section of the disclaimers.

Crude Oils

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
WTI Swap	64.53	64.49	64.26	63.95	63.92	62.70	61.48	60.43	60.03
Brent Swap	67.86	67.65	67.29	66.90	66.90	65.77	64.87	64.11	63.75
Dubai Swap	65.84	65.39	64.94	64.49	64.50	63.35	62.52	61.85	61.54
Dated Brent Swap	68.02	67.43	67.21	66.85	66.85	65.73	64.77	63.99	63.64
Oman Swap	64.84	64.79	65.04	65.34	65.10	64.20	63.37	62.70	62.39

Source: Morgan Stanley - Commodities Sales and Trading

Asia Oil Products

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Japan Naphtha	597.24	593.24	588.24	583.74	583.83	571.66	558.33	540.74	537.75
Sing 92 RON Mogas	74.36	74.01	73.61	73.13	73.06	71.11	70.11	69.53	68.89
Sing 95 RON Mogas	76.51	75.99	75.59	75.11	75.01	72.91	71.61	71.03	70.39
Sing Kerosene	71.67	71.66	71.76	72.87	72.54	72.05	71.94	71.73	71.67
Sing Gasoil 500ppm	72.47	72.11	72.16	72.20	72.19	72.21	71.74	71.38	71.24
Sing Gasoil 10ppm	73.37	73.41	73.41	73.40	73.39	73.06	72.59	72.23	72.09
Sing HSFO 180CST	384.23	384.73	385.73	384.98	384.65	379.06	375.90	373.06	369.94
Sing HSFO 380CST	379.23	379.23	379.73	378.48	378.15	371.06	366.48	362.81	359.77
Sing 0.5%FO FobC	493.04	493.01	493.60	494.10	494.28	492.83	489.09	484.09	483.39

Cracks / Differentials

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Dated Brent / Dubai	2.18	2.04	2.27	2.36	2.35	2.37	2.26	2.14	2.10
Brent / Dubai	2.02	2.26	2.35	2.41	2.40	2.42	2.36	2.26	2.22
Japan Naphtha / Brent (8.9)	(0.75)	(0.99)	(1.20)	(1.31)	(1.30)	(1.54)	(2.14)	(3.35)	(3.33)
Japan Naphtha / Dubai (8.9)	1.27	1.27	1.15	1.10	1.10	0.88	0.21	(1.09)	(1.12)
Japan Naphtha / Brent (9.0)	(1.50)	(1.73)	(1.93)	(2.04)	(2.03)	(2.25)	(2.84)	(4.03)	(4.00)
Japan Naphtha / Dubai (9.0)	0.52	0.53	0.42	0.37	0.37	0.16	(0.48)	(1.77)	(1.79)
92 RON / Dubai	8.52	8.62	8.67	8.64	8.56	7.75	7.59	7.68	7.35
95 RON / Dubai	10.67	10.60	10.65	10.62	10.51	9.55	9.09	9.18	8.85
92 RON / Brent	6.50	6.36	6.32	6.23	6.16	5.33	5.23	5.42	5.14
SKero / Dubai	5.83	6.27	6.82	8.38	8.04	8.70	9.42	9.88	10.13
SGO 10ppm / Dubai	7.53	8.02	8.47	8.91	8.89	9.71	10.07	10.38	10.55
SGO 10ppm / FO380CST*	15.02	15.06	14.99	15.17	15.22	15.97	16.21	16.41	16.74
Gasoil EFS (10ppm)	(4.80)	(5.75)	(7.12)	(8.32)	(8.35)	(11.29)	(11.64)	(10.68)	(11.60)
FO180 / Dubai*	(6.73)	(6.20)	(5.60)	(5.26)	(5.32)	(5.04)	(4.69)	(4.46)	(4.63)
FO380 / Dubai*	(7.50)	(7.05)	(6.52)	(6.26)	(6.32)	(6.27)	(6.14)	(6.03)	(6.19)

Source: Morgan Stanley - Commodities Sales and Trading

** FO Conversion = 6.5*

Please see additional important information and qualifications at the end of this material.

Price Indication

12-May-21

Below are the desk's good-faith estimates of where Morgan Stanley Commodities value crude / product swaps for the periods indicated. The numbers simply represent our assessment of where fair value for the underlying commodities is, and do not represent a bid or an offer to buy or to sell the commodities. Please refer to the important disclaimer, related to this table, at the end in the first section of the disclaimers.

Crude Oils

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
WTI Swap	65.36	65.32	65.10	64.80	64.77	63.55	62.32	61.23	60.81
Brent Swap	68.59	68.42	68.08	67.71	67.71	66.61	65.70	64.90	64.53
Dubai Swap	66.48	66.03	65.61	65.23	65.23	64.21	63.38	62.69	62.37
Dated Brent Swap	68.75	68.20	68.00	67.66	67.66	66.57	65.60	64.78	64.41
Oman Swap	65.51	65.46	65.71	66.01	65.79	64.99	64.16	63.47	63.15

Source: Morgan Stanley - Commodities Sales and Trading

Asia Oil Products

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Japan Naphtha	603.66	599.66	595.16	590.91	590.99	579.66	566.83	550.41	548.10
Sing 92 RON Mogas	74.82	74.52	74.12	73.64	73.60	71.82	70.90	70.33	69.73
Sing 95 RON Mogas	76.97	76.32	76.02	75.54	75.50	73.62	72.40	71.83	71.23
Sing Kerosene	72.96	72.73	72.80	73.86	73.54	72.99	72.83	72.57	72.56
Sing Gasoil 500ppm	73.66	73.21	73.20	73.19	73.19	73.15	72.63	72.22	72.14
Sing Gasoil 10ppm	74.56	74.51	74.45	74.39	74.39	74.00	73.48	73.07	72.99
Sing HSFO 180CST	386.14	386.64	387.64	386.89	386.56	380.97	377.81	374.97	371.85
Sing HSFO 380CST	381.14	381.14	381.64	380.39	380.06	372.97	368.39	364.72	361.68
Sing 0.5%FO FobC	500.99	501.01	501.04	501.11	501.43	499.51	495.59	490.26	489.58

Cracks / Differentials

	Bal May-21	Jun-21	Jul-21	Aug-21	3Q21	4Q21	1Q22	2Q22	Cal 22
Dated Brent / Dubai	2.27	2.17	2.39	2.43	2.43	2.36	2.21	2.08	2.05
Brent / Dubai	2.10	2.39	2.47	2.48	2.48	2.40	2.31	2.20	2.16
Japan Naphtha / Brent (8.9)	(0.76)	(1.04)	(1.21)	(1.31)	(1.31)	(1.48)	(2.01)	(3.05)	(2.95)
Japan Naphtha / Dubai (8.9)	1.35	1.35	1.26	1.16	1.17	0.92	0.31	(0.85)	(0.78)
Japan Naphtha / Brent (9.0)	(1.51)	(1.79)	(1.95)	(2.05)	(2.05)	(2.21)	(2.71)	(3.74)	(3.63)
Japan Naphtha / Dubai (9.0)	0.59	0.60	0.52	0.43	0.43	0.20	(0.40)	(1.54)	(1.47)
92 RON / Dubai	8.34	8.49	8.51	8.41	8.37	7.61	7.52	7.63	7.36
95 RON / Dubai	10.49	10.29	10.41	10.31	10.27	9.41	9.02	9.13	8.86
92 RON / Brent	6.24	6.10	6.04	5.93	5.89	5.21	5.20	5.43	5.20
SKero / Dubai	6.48	6.70	7.19	8.63	8.31	8.78	9.45	9.88	10.19
SGO 10ppm / Dubai	8.08	8.48	8.84	9.16	9.16	9.79	10.10	10.38	10.62
SGO 10ppm / FO380CST*	15.93	15.88	15.74	15.87	15.92	16.62	16.80	16.96	17.34
Gasoil EFS (10ppm)	(3.38)	(5.25)	(6.82)	(8.39)	(8.31)	(11.30)	(11.68)	(10.91)	(11.52)
FO180 / Dubai*	(7.07)	(6.55)	(5.97)	(5.71)	(5.76)	(5.60)	(5.26)	(5.00)	(5.16)
FO380 / Dubai*	(7.84)	(7.39)	(6.90)	(6.71)	(6.76)	(6.83)	(6.71)	(6.58)	(6.72)

Source: Morgan Stanley - Commodities Sales and Trading

** FO Conversion = 6.5*

Please see additional important information and qualifications at the end of this material.

ATTACHMENT VI

DOCUMENTATION ON ALL FUEL HANDLING EXPENSES (EXISTING CONTRACTS SUBMITTED IN THE PREVIOUS LEAC FILING)

Attachment VI – Table of Contents

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O. BOX 2977, HÅGATÑA, GUAM 96932-2977

January 4, 2021

Mobil Oil Guam, Inc.
642 East Marine Corps Drive
Hagatna, Guam 96910
Fax: 648-3780

ATTN: MR. TIM CHAU HAU
President

SUBJECT : **THREE (3) Year Extension of the Diesel Fuel Oil No.2 Supply Contract**
Re: **GPA-008-18**

Dear Mr. Hau:

The two-year (2-Yr) base period for the Diesel Fuel Oil No.2 supply contract under GPA-008-18 will expire on December 31, 2021, with the option to extend for three (3) additional one (1) year term with mutual agreement of both parties.

Pursuant to Section 3 of the contract, GPA wish to exercise the contract extension option for a period of three (3) consecutive years.

With your concurrence, and subject to the approval of the Guam Consolidated Commission on Utilities (CCU) and the Public Utilities Commission (PUC), the three (3) year extension of the contract shall commence on January 01, 2022 and shall expire on December 31, 2024. All other contract provisions as amended shall remain unchanged.

GPA is looking forward to continue the good business relationship with Mobil Oil Guam, Inc.

Sincerely,

FOR JOHN M. BENAVENTE, P.E.
General Manager

CONCURRED by (For Mobil Oil Guam, Inc.):

TIM CHAU HAU
President

29 JAN 2021
Date

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O. BOX 2977, HÅGATÑA, GUAM 96932-2977

January 4, 2021

IP&E Holdings, LLC
Suite 100, 643 Chalan San Antonio
Tamuning, Guam 96931-3644
Fax: 671-649-4353

ATTN: MR. BRIAN BAMBA
Managing Director

SUBJECT : **THREE (3) Year Extension of the Diesel Fuel Oil No.2 Supply Contract**
Re: **GPA-008-18**

Dear Mr. Bamba:

The two-year (2-Yr) base period for the Diesel Fuel Oil No.2 supply contract under GPA-008-18 will expire on December 31, 2021, with the option to extend for three (3) additional one (1) year term with mutual agreement of both parties.

Pursuant to Section 3 of the contract, GPA wish to exercise the contract extension option for a period of three (3) consecutive years.

With your concurrence, and subject to the approval of the Guam Consolidated Commission on Utilities (CCU) and the Public Utilities Commission (PUC), the three (3) year extension of the contract shall commence on January 01, 2022 and shall expire on December 31, 2024. All other contract provisions as amended shall remain unchanged.

GPA is looking forward to continue the good business relationship with IP&E.

Sincerely,

for **JOHN M. BENAVENTE, P.E.**
General Manager

CONCURRED by (IP&E Holdings, LLC):

BRIAN BAMBA
Managing Director

1/7/2021
Date

ATTACHMENT VII

BILLING ILLUSTRATIONS – Residential, Large Power Service, Large Government Service

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE R - RESIDENTIAL

	RATE SCHEDULE R			
	Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
KWH		500		500
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge				
First 500 KWH	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	-	0.086870	-
Emergency Water-well charge	0.002790	-	0.002790	-
Insurance Charge	0.000000	-	0.000000	-
Working Capital Fund Surcharge	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		49.78		49.78
Fuel Recovery Charge	**0.110000**	55.00	**0.167564**	83.78
Total Electric Charge		$ 104.78		$ 133.56
Increase/(Decrease) in Total Bill				$ 28.78
% Increase/(Decrease) in Total Bill				**27.47%**
% Increase/(Decrease) in LEAC rate				**52.33%**

	RATE SCHEDULE R			
	Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
KWH		1,000		1,000
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge				
First 500 KWH	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	43.44	0.086870	43.44
Emergency Water-well charge	0.002790	1.40	0.002790	1.40
Insurance Charge	0.000000	-	0.000000	-
Working Capital Fund Surcharge	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		94.62		94.61
Fuel Recovery Charge	**0.110000**	110.00	**0.167564**	167.56
Total Electric Charge		$ 204.62		$ 262.17
Increase/(Decrease) in Total Bill				$ 57.56
% Increase/(Decrease) in Total Bill				**28.13%**
% Increase/(Decrease) in LEAC rate				**52.33%**

	RATE SCHEDULE R			
	Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
KWH		1,500		1,500
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge				
First 500 KWH	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	86.87	0.086870	86.87
Emergency Water-well charge	0.002790	2.79	0.002790	2.79
Insurance Charge	0.000000	-	0.000000	-
Working Capital Fund Surcharge	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		139.44		139.44
Fuel Recovery Charge	**0.110000**	165.00	**0.167564**	251.35
Total Electric Charge		$ 304.44		$ 390.78
Increase/(Decrease) in Total Bill				$ 86.35
% Increase/(Decrease) in Total Bill				**28.36%**
% Increase/(Decrease) in LEAC rate				**52.33%**

	RATE SCHEDULE R			
	Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
KWH		2,000		2,000
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge				
First 500 KWH	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	130.31	0.086870	130.31
Emergency Water-well charge	0.002790	4.19	0.002790	4.19
Insurance Charge	0.000000	-	0.000000	-
Working Capital Fund Surcharge	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		184.27		184.27
Fuel Recovery Charge	**0.110000**	220.00	**0.167564**	335.13
Total Electric Charge		$ 404.27		$ 519.39
Increase/(Decrease) in Total Bill				$ 115.13
% Increase/(Decrease) in Total Bill				**28.48%**
% Increase/(Decrease) in LEAC rate				**52.33%**

	RATE SCHEDULE R			
	Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
KWH		2,500		2,500
Monthly Charge	$ 15.00	$ 15.00	$ 15.00	$ 15.00
Non-Fuel Energy Charge				
First 500 KWH	0.069550	34.78	0.069550	34.78
Over 500 KWH	0.086870	173.74	0.086870	173.74
Emergency Water-well charge	0.002790	5.58	0.002790	5.58
Insurance Charge	0.000000	-	0.000000	-
Working Capital Fund Surcharge	0.000000	-	0.000000	-
Total Electric Charge before Fuel Recovery Charges		229.10		229.10
Fuel Recovery Charge	**0.110000**	275.00	**0.167564**	418.91
Total Electric Charge		$ 504.10		$ 648.01
Increase/(Decrease) in Total Bill				$ 143.91
% Increase/(Decrease) in Total Bill				**28.55%**
% Increase/(Decrease) in LEAC rate				**52.33%**

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE P - LARGE POWER SERVICE (THREE PHASE)

	kW/kWh Billed	RATE SCHEDULE P Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
THREE PHASE					
KWH			101,400		101,400
MINIMUM DEMAND	210				
Monthly Charge		59.25	$ 59.25	59.25	$ 59.25
Demand Charge ($/kW-month)	210	8.94	$ 1,877.40	8.94	$ 1,877.40
Energy Charge ($/kWh-month)					
First Block - First 55,000 kWh per month ($/kWh)	55,000	0.141700	$ 7,793.50	0.141700	$ 7,793.50
Second Block - > 55,000 kWh per month ($/kWh)	46,400	0.064440	$ 2,990.02	0.064440	$ 2,990.02
Emergency Water-well charge	101,400	0.002790	$ 282.91	0.002790	$ 282.91
Insurance Charge	101,400	-	$ -	-	$ -
WCF Surcharge	101,400	-	$ -	-	$ -
Total Electric Charge before Fuel Recovery Charges			$ 13,003.07		$ 13,003.07
Fuel Recovery Charge	101,400	0.110000	$ 11,154.00	0.167564	$ 16,990.99
Total Electric Charge			$ 24,157.07		$ 29,994.06
Increase/(Decrease) in Total Bill					$ 5,836.99
% Increase/(Decrease) in Total Bill					24.16%
% Increase/(Decrease) in LEAC rate					52.33%

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE G - SMALL NON DEMAND (SINGLE PHASE)

		RATE SCHEDULE G (Single Phase) Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
SINGLE PHASE					
KWH			5,000		5,000
Monthly Charge		14.16	$ 14.16	14.16	$ 14.16
Non-Fuel Energy Charge					
First 350 KWH per month	350	0.200860	$ 70.30	0.200860	$ 70.30
Over 350 KWH per month	4,650	0.108610	$ 505.04	0.108610	$ 505.04
Emergency Water-well charge	5,000	0.002790	$ 13.95	0.002790	$ 13.95
Insurance Charge	5,000	-	$ -	-	$ -
WCF Surcharge	5,000	-	$ -	-	$ -
Total Electric Charge before Fuel Recovery Charges			$ 603.45		$ 603.45
Fuel Recovery Charge		0.110000	$ 550.00	0.167564	$ 837.82
Total Electric Charge			$ 1,153.45		$ 1,441.27
Increase(Decrease) in Total Bill					$ 287.82
% Increase/(Decrease) in Total Bill					24.95%
% Increase/(Decrease) in LEAC rate					52.33%

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE G - SMALL NON DEMAND (THREE PHASE)

		RATE SCHEDULE G (Three Phase) Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
THREE PHASE					
KWH			5,000		5,000
Monthly Charge		$ 14.16	$ 14.16	$ 14.16	$ 14.16
Non-Fuel Energy Charge					
First 500 KWH per month	500	0.197850	$ 98.93	0.197850	$ 98.93
Over 500 KWH per month	4,500	0.106080	$ 477.36	0.106080	$ 477.36
Emergency Water-well charge	5,000	0.002790	$ 13.95	0.002790	$ 13.95
Insurance Charge	5,000	-	$ -	-	$ -
WCF Surcharge	5,000	-	$ -	-	$ -
Total Electric Charge before Fuel Recovery Charges			$ 604.40		$ 604.40
Fuel Recovery Charge		0.110000	$ 550.00	0.167564	$ 837.82
Total Electric Charge			$ 1,154.40		$ 1,442.22
Increase(Decrease) in Total Bill					$ 287.82
% Increase/(Decrease) in Total Bill					24.93%
% Increase/(Decrease) in LEAC rate					52.33%

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE J - SMALL DEMAND (SINGLE PHASE)

		RATE SCHEDULE J (Single Phase) Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
SINGLE PHASE					
KWH			25,000		25,000
DEMAND (kW Billed)	35				
Monthly Charge		$ 38.33	$ 38.33	$ 38.33	$ 38.33
Demand Charge ($/kW-month)	35	$ 6.16	$ 215.60	$ 6.16	$ 215.60
Energy Charge					
First Block - First 2,000 kWh per month ($kWh)	2,000	0.196760	$ 393.52	0.196760	$ 393.52
Second Block - > 2,000 kWh per month ($kWh)	23,000	0.065540	$ 1,507.42	0.065540	$ 1,507.42
Emergency Water-well charge	25,000	0.002790	$ 69.75	0.002790	$ 69.75
Insurance Charge	25,000	-	$ -	-	$ -
WCF Surcharge	25,000	-	$ -	-	$ -
Total Electric Charge before Fuel Recovery Charges			$ 2,224.62		$ 2,224.62
Fuel Recovery Charge		0.110000	$ 2,750.00	0.167564	$ 4,189.10
Total Electric Charge			$ 4,974.62		$ 6,413.72
Increase(Decrease) in Total Bill					$ 1,439.10
% Increase/(Decrease) in Total Bill					28.93%
% Increase/(Decrease) in LEAC rate					52.33%

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE J - SMALL DEMAND (THREE PHASE)

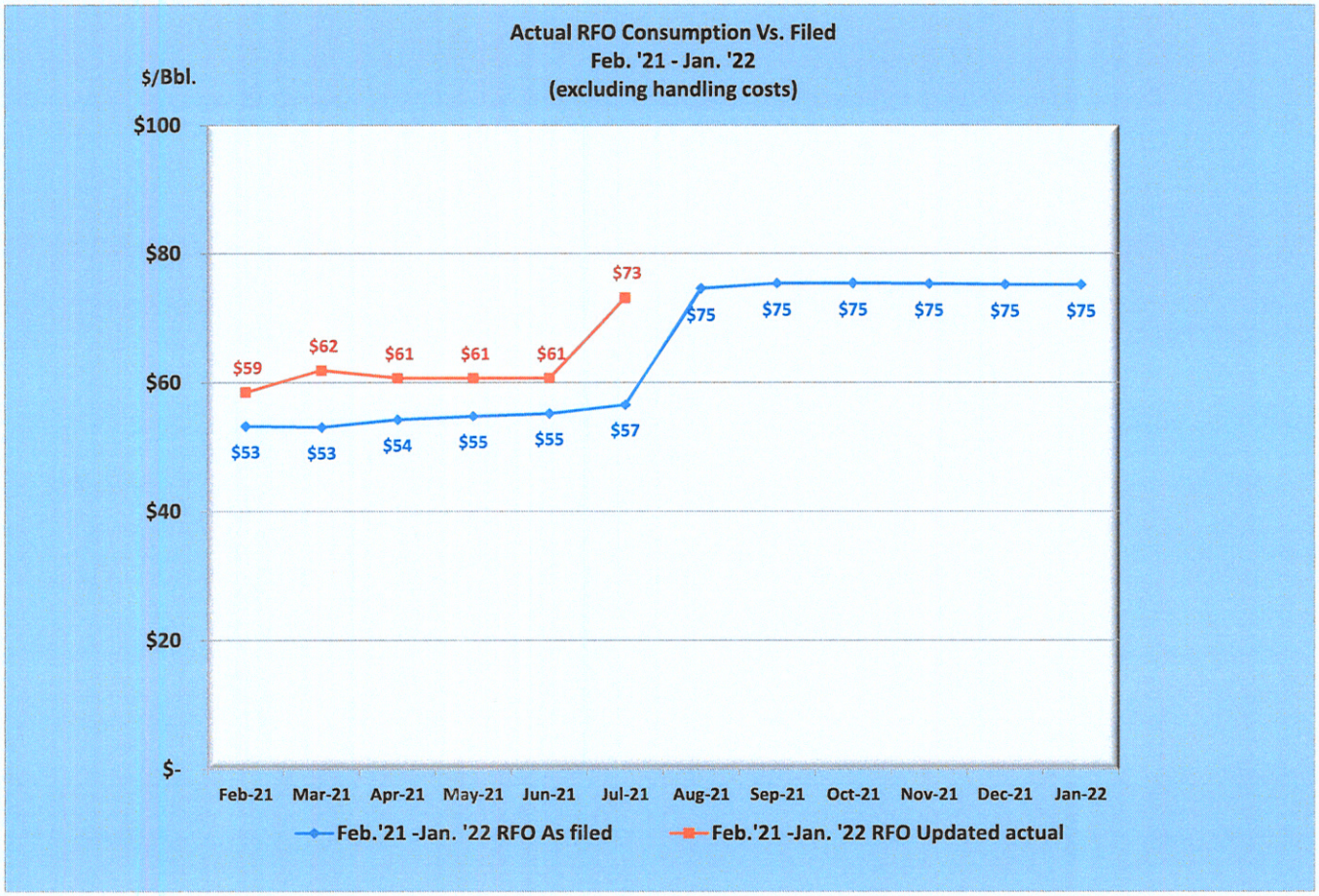
		RATE SCHEDULE J (Three Phase) Existing Rate Eff 02-01-21		For PUC Approval Eff 08-01-21	
THREE PHASE					
KWH			117,200		117,200
DEMAND (kW Billed)	163				
Monthly Charge		$ 38.33	$ 38.33	$ 38.33	$ 38.33
Demand Charge ($/kW-month)	163	$ 5.80	$ 945.40	$ 5.80	945.40
Energy Charge					
First Block - First 5,000 kWh per month ($/kWh)	5,000	0.194370	971.85	0.194370	971.85
Second Block - > 5,000 kWh per month ($/kWh)	112,200	0.064840	7,275.05	0.064840	7,275.05
Emergency Water-well charge	117,200	0.002790	326.99	0.002790	326.99
Insurance Charge	117,200	-	-	-	-
WCF Surcharge	117,200	-	-	-	-
Total Electric Charge before Fuel Recovery Charges			9,557.62		9,557.62
Fuel Recovery Charge		0.110000	12,892.00	0.167564	19,638.50
Total Electric Charge			$22,449.62		$29,196.12
Increase(Decrease) in Total Bill					$6,746.50
% Increase/(Decrease) in Total Bill					30.05%
% Increase/(Decrease) in LEAC rate					52.33%

GUAM POWER AUTHORITY
BILL ILLUSTRATION RATE SCHEDULE L - LARGE GOVT SERVICE (THREE PHASE)

			RATE SCHEDULE L			
			Existing Rate		For PUC Approval	
		kW/kWh Billed	Eff 02-01-21		Eff 08-01-21	
THREE PHASE						
KWH				634,200		634,200
MINIMUM DEMAND	200	1,158				
Monthly Charge			$ 59.25	59.25	$ 59.25	59.25
Demand Charge ($/kW-month)		1,158	$ 8.94	10,352.52	8.94	10,352.52
Energy Charge ($/kWh-month)						
First Block - First 38,000 kWh per month ($/kWh)		38,000	0.164950	6,268.10	0.164950	6,268.10
Second Block - > 38,000 kWh per month ($/kWh)		596,200	0.080900	48,232.58	0.080900	48,232.58
Emergency Water-well charge		634,200	0.002790	1,769.42	0.002790	1,769.42
Insurance Charge		634,200	-	-	-	-
WCF Surcharge		634,200	-	-	-	-
Total Electric Charge before Fuel Recovery Charges				66,681.87		66,681.87
Fuel Recovery Charge		634,200	0.110000	69,762.00	**0.167564**	106,269.09
Total Electric Charge				$136,443.87		$172,950.96
Increase/(Decrease) in Total Bill						$0.27
% Increase/(Decrease) in Total Bill						**26.76%**
% Increase/(Decrease) in LEAC rate						**52.33%**

ATTACHMENT VIII

Actual vs. Planned Fuel Cost per Barrel


Actual RFO Consumption Vs. Filed
Feb. '21 - Jan. '22
(excluding handling costs)
$/Bbl.
$100
$80
$60
$40
$20
$-
$59
$62
$61
$61
$61
$73
$53
$53
$54
$55
$55
$57
$75
$75
$75
$75
$75
$75
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Dec-21
Jan-22
Feb.'21 -Jan. '22 RFO As filed
Feb.'21 -Jan. '22 RFO Updated actual

APPENDIX A

Progress Report for December 2020 thru May 2021

APPENDIX A Progress Reporting for Dec 2020 to May 2021

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
1	**Accurate metering and billing of the U.S. Navy**		
1.1	Process Ongoing	Navy account set in CC&B for electronic meters (SEL-734, SEL-735, Q1000) at all Navy metering points.	• Actual billing of Navy is reviewed by GPA prior to issuing to Navy. • During the period of ***December 2020 to May 2021,*** the readings from the Navy quantum meters continued to be entered manually. • GPA uses handheld devices to read the Navy quantum meters for consumption. However, the readings cannot be electronically uploaded to the Meter Data Management System (MDMS) because of some incompatibilities.
1.2	Process Ongoing	Exploring the feasibility of aggregate reading	• Harmon Substation & Tanguisson Substation WAN link installation completed; this is to provide capability of remote Navy Metering. The actual replacement of navy meters is a work in progress. • Aggregate billing is now possible in CC&B and reconciled to the manual calculations each month. • Navy Metering Upgrade from Quantum Meters to SEL completed in July 17, 2020. Navy Meters at Harmon, Piti, Agana, and Andersen Substations can be downloaded remotely.
2	**Accurate metering and billing of civilian loads**		
2.1	Process Ongoing	Meter Task Force (MTFC) continues to oversee, assess, and issue recommendations for QA/QC of metering and billing accuracy	**System Losses Report Data** • ***Dec 2020- May 2021:*** ▪ Accounts with meter discrepancies found & corrected: ❖ **1777 Blank Display** ❖ **220 No Communication** ❖ **16 Defective Switch**
2.2	Process Ongoing	Identify all zero consumption billings and perform required field investigations	• ***Dec 2020- May 2021:*** ▪ **4008** accounts identified with zero consumption; they are active smart meters assigned to customer with no reading. This is with no load/minimal consumption. **There are 25 opt out customers that GPA manually reads their consumptions.*
3	**Systematic analysis of billing accounts for possible outliers**		
3.1	Process Ongoing	Documentation for systematic billing analysis	• Analysis/refinements addressed on a monthly basis as problems are encountered. In the event that a meter reading is not available on the day of the reading uploads the most recent previous or subsequent day's readings (within one or two days of the read date) are used. There are some residential customers who have opted out of using a Smart Meter and continue to use the legacy meters. There have been no significant issues with these customers.
3.2	Process Ongoing	Monitoring of reading exception reports in the CC&B system	
3.3	Process Ongoing	Additional reports generated monthly in the CC&B system to assist in billing analysis	

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
4	**Accurate Monitoring, Measurement and Reporting of System Losses**		
4.1	Process Ongoing	Identify present metering discrepancies	• **December 2020:** ▪ Meter Discrepancies: 501 ▪ Meter Change Outs: 501 ▪ Meter Preventive Maintenance: 0 • **January 2021:** ▪ Meter Discrepancies: 292 ▪ Meter Change Outs: 292 ▪ Meter Preventive Maintenance: 88 • **February 2021**: ▪ Meter Discrepancies: 279 ▪ Meter Change Outs: 279 ▪ Meter Preventive Maintenance: 178 • **March 2021:** ▪ Meter Discrepancies: 329 ▪ Meter Change Outs: 329 ▪ Meter Preventive Maintenance: 356 • **April 2021:** ▪ Meter Discrepancies: 296 ▪ Meter Change Outs: 296 ▪ Meter Preventive Maintenance: 331 • **May 2021:** ▪ Meter Discrepancies: 316 ▪ Meter Change Outs: 316 Meter Preventive Maintenance: 48
4.2	Process Ongoing	Procure equipment & system	• Ongoing meter change outs due to defective meters, RMA meters under warranty to be shipped to manufacturer.
4.3		Replace, install, upgrade substation metering reporting systems	**December 2020 – March 2021:** None **April 2021:** Talofofo ESS (X-128 PV/LINE) SEL-735, upgrade 2 each SEL-735 power supply 125VDC circuits for independent circuit operation and data retention. **May 2021:** None
5	**Identification of Unlisted Electric Energy Consumer**		

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
5.1	Process Ongoing	Process in place to identify and minimize occurrences in Unlisted consuming meters. Various reports are generated to identify unlisted energy consumers (i.e., exception, UNLISTEDMTR report for meter readings that were not captured in Utiligy & CC&B and therefore ran after each upload).	**December 2020** • RPS inspected 27 meters from the MDMS Non-Consuming Active Meter report. Of that number, 15 locations were vacant, 9 services were not in use, and 3 meters were found registering properly. • RPS inspected 3 meters from the MDMS Zero Consumption – GOV report. Of that number, 2 meters were registering properly and 1 service was not in use. **January 2021** • RPS inspected 19 meters from the MDMS Non-Consuming Active Meter report. Of that number, 6 locations were vacant, 4 meters were registering properly, 2 were seldom used, 3 businesses were closed and 4 were not in use. • RPS inspected 6 meters from the MDMS Zero Consumption – GOV report. Of that number, 1 location (school) was closed, 4 was registering properly, and 1 meter was not in use. • RPS inspected 3 meters from the CCB Consuming Inactive Meters report. Of that number, 2 were attached to active accounts, and 1 was terminated. **February 2021** • RPS inspected 25 meters from the MDMS Non-Consuming Active Meter report. Of that number, 5 locations were vacant, 10 services were not in use, 9 businesses were closed, and 1 meter was found registering properly. • RPS inspected 9 meters from the MDMS Zero Consumption – GOV report. Of that number, 5 was registering properly, 1 meter was removed, and 3 were not in use. • RPS inspected 5 meters from the CCB Consuming Inactive Meters report. Of that number, 4 were attached to active accounts, and 1 location was vacant. **March 2021** • RPS inspected 10 meters from the MDMS Non-Consuming Active Meter report. Of that number, 3 locations were vacant, 2 meters were registering properly, 1 was seldom used, and 4 were not in use. • RPS inspected 5 meters from the MDMS Zero Consumption – GOV report. Of that number, 2 were registering properly, 1 was a new net metering system, and 2 were not in use. • RPS inspected 3 meters from the CCB Consuming Inactive Meters report. All 3 meters were attached to active accounts. **April 2021** • RPS inspected 15 meters from the MDMS Non-Consuming Active Meter report. Of that number, 6 locations were vacant, 3 meters were registering properly, 1 was removed, 1 location under renovation, and 4 were not in use. • RPS inspected 3 meters from the MDMS Zero Consumption – GOV report. All 3 were registering properly. • RPS inspected 1 meter from the CCB Consuming Inactive Meters report. The meter was attached to an active account.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
			May 2021 • RPS inspected 23 meters from the MDMS Non-Consuming Active Meter report. Of that number, 13 are vacant, 2 meters were registering properly, 1 terminated pre-paid meter, 5 were not in use, and 1 minimal usage only. • RPS inspected 9 meters from the MDMS Zero Consumption – GOV report. Of that number, 4 registering properly, 3 had minimal usage and 2 were net metering systems. • RPS inspected 7 meters from the CCB Consuming Inactive Meters report. Of that number, 2 were terminated, 4 vacant locations, and 1 service was not in use.
5.2	Process Ongoing	Tampering and illegal connections investigated and documented through GPA Revenue Protection Section, Internal Audit Section.	**December 2021** • RPS investigated 20 meters from the Command Center Reverse Rotation Detected report. Of that number, 9 were found registering properly, 3 were new net metering systems, and 1 meter was defective, 2 services were not in use, 1 meter was terminated, 1 was seldom used, 2 businesses were closed down, and 1 was a recent change out. • RPS also investigated 3 locations called in for possible tamper or theft of service and unsafe facility. All yielded negative findings for tampering or theft of service. **January 2021** • RPS investigated 5 meters from the Command Center Reverse Rotation Detected report. Of that number, 3 were found registering properly, 1 was changed to net metering system, and 1 meter was found terminated at a vacant location. • RPS verified 3 meters from the Command Center Tamper or Reverse Energy Flow report. 2 were new net metering systems and 1 was found registering properly. • RPS investigated 6 locations for reported/suspected meter tampering or theft of service or property. Of that number, 3 involved direct hook ups (1 on the transformer leads, 2 on the streetlight post, and 1 unauthorized removal). All 4 were reported to GPD. The remaining 2 inspections yielded negative findings for tampering or theft of service. **February 2021** • RPS investigated 1 meter from the Command Center Reverse Rotation Detected report. The meter system was converted to net metering. • RPS investigated 1 meter from the Command Center Tamper or Reverse Energy Flow report. The meter system was converted to net metering. • RPS investigated 6 locations for reported/suspected meter tampering or theft of service or property. Of that number, 2 involved direct hook ups on the streetlight post, 1 direct hookup on the service wire, 1 illegal streetlight, and 1 jumpered meter socket. All 5 were reported to GPD. The remaining inspection yielded negative finding for tampering or theft of service.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
			March 2021 • RPS investigated 8 meters from the Command Center Reverse Rotation Detected report. Of that number, 7 were found registering properly and 1 location was vacant. • RPS verified 2 meters from the Command Center Tamper or Reverse Energy Flow report. Both were new net metering systems. • RPS investigated 7 locations for reported/suspected meter tampering or theft of service or property. Of that number, 3 involved direct hook ups on the service wire, 1 unauthorized removal, and 2 jumpered meter sockets. All 6 were reported to GPD. The remaining inspection yielded negative finding for tampering or theft of service. **April 2021** • RPS investigated 7 meters from the Command Center Reverse Rotation Detected report. Of that number, 2 were found registering properly, 1 was not in use, and 4 were converted to net metering systems. • RPS verified 8 meters from the Command Center Tamper or Reverse Energy Flow report. All were new net metering systems. • RPS investigated 4 locations for reported/suspected meter tampering or theft of service or property. Of that number, 1 seal/strap cut and missing, 1 damaged meter on the ground, and 2 jumpered meter sockets. All 4 were reported to GPD. **May 2021** • RPS investigated 8 meters from the Command Center Reverse Rotation Detected report. Of that number, 1 was registering properly, 1 possible defective meter, 5 were net metering systems and 1 with minimal usage only. • RPS verified 3 meters from the Command Center Tamper or Reverse Energy Flow report. Of that number, 2 were net metering systems and 1 was registering properly. • RPS inspected 4 locations for reported/suspected meter tampering or theft of service or property. 2 were confirmed direct hook-ups to GPA service and were reported to GPD. The remaining 2 yielded negative findings.
6	**Power System Design and Procurement Guides Considering Optimization of System Costs and Losses**		
6.1			• GPI work to shift load between P-210, P-211, P-250, and P-321- Completed • GPI work to shift load between P-332 and P-320 - Completed • Installation of switches between P-220 and P-223 and between P-221 and P-223 to be able to isolate Apra breakers - Completed

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
		Prepare conductor economics selection and evaluation guidelines	• CIP for underground connection of P-005 and P-007 pending GPI work to install underground conductors, install switch, and re-locate station power to new infrastructure -Completed • GPI Chalan Bada 10 pole extension to catch main line P-330 at Route 9 to remove line by Golf course pending easement issues for 3 remaining poles due to road not on easement. • GPI Route 15; 32 pole extension to reduce loading on P-332 and provide viable back feed for P-067, P-332, and Pagat Substation - Completed • P-320 breaker commissioning, installation of relay and meter, and replacement of underground cables - Completed • GPI; San Ramon Hill 4 pole extension for switch 13-252T283 between P-252 and P-283 for backfeed – Completed • CIP/GPI work for the Nikko Tsubaki hotel, installation of isolation switches and re-distribution of load completed. Upgrade of primary line completed. Re-configuration of SV1-A and SV1-B pending major outage. • Conductor upgrade and steel arm maintenance on P-047 pending procurement of arms. • P-280 line upgrade and extension for Navy back feeding completed. • P-005 line upgrade and extension for Navy back feeding pending survey. • P-087 swamp road line upgrade design completed pending scheduling. • P-322/P-310 line extension and load shifting pending installation. • P-290 line extension to relieve load on P-087, P-089 and P-046 in design. • P-112 extension to improve back feeding of P-087 and P-330 at survey. • P-203 and P-205 line upgrade and load shifting. • P-311 conductor upgrade South Sabana completed. • Aragon Street P-253 line upgrade design completed.
6.2		Stock appropriate transformers	• GPI's are being identified for transformers that are potentially overloaded and have potential voltage issues. Advanced Grid Analytics will be utilized to assist with this task. • 47 possible overloaded transformers identified;10 GPI's created; 20 pending assessment. • Engineering and T&D currently right-sizing pad-mounted transformers as existing transformers fail.
7	**Metering Assessment and Correction of Customer Power Factor**		
7.1	Process Ongoing	Evaluating large demand customers to define magnitude of power factor problem.	• No significant issues regarding power factor calculations.
7.2		Evaluating economics of power factor improvement	• Re-evaluation of reconfigured feeders completed; pending order for capacitor banks.
8	**Cost Effective Reactive Power Compensation**		
8.1	Process Ongoing	Procure and install distribution capacitors	• Capacitor banks received under PO: 21876. 7ea. 450 kVAR and 6ea. 900 kVAR fixed capacitor banks. • Re-evaluation of Dededo Feeders due to GWA pump projects pending balancing. • Isolation of P-088 capacitor bank due to VAR feedback during low load time. • Installation of P-330 capacitor bank at Santa Ana completed.

KEY MANAGEMENT OBJECTIVE		TASK DESCRIPTION	STATUS
			• P-321 shorted capacitor bank replaced. • Island-wide VAR analysis to be conducted.
9	**Quality Systems Design & Implementation**		
9.1	Process Ongoing	Documentation including supporting documents regularly updated & maintained	• Documents updated and submitted semi-annually.

GUAM POWER AUTHORITY

GROSS GENERATION, SALES, LINE LOSSES

	24-Month	12-Month	Apr-21	Mar-21	Feb-21	Jan-21	Dec-20	Nov-20
			0.00	0.00	0.00	0.00	0.00	0.00
Gross Generation	3,411,968,711	1,696,370,780	146,755,791	143,199,555	128,219,926	138,859,673	139,327,944	141,850,616
Station Use	132,945,665	66,883,303	5,575,607	5,023,925	5,241,210	6,010,416	5,630,731	5,709,658
Net Send Out (A-B)	3,279,023,046	1,629,487,477	141,180,184	138,175,630	122,978,716	132,849,257	133,697,213	136,140,958
Sales to Navy (@34.5Kv)	623,254,206	310,578,902	23,118,519	25,707,988	23,290,980	26,998,129	26,077,078	27,037,233
GPA-metered (C-D)	2,655,768,840	1,318,908,575	118,061,665	112,467,642	99,687,736	105,851,128	107,620,135	109,103,725
Power factor adj.	0	0						
Adjusted (E-F)	2,655,768,840	1,318,908,575	118,061,665	112,467,642	99,687,736	105,851,128	107,620,135	109,103,725
GPA KWH Accountability:								
Sales to customers								
(accrual basis)	2,462,540,175	1,218,778,617	102,149,537	104,250,386	91,907,713	102,210,199	101,975,550	101,403,018
GPA use-KWH	8,133,388	4,018,387	354,483	327,838	304,985	332,790	343,929	346,983
No of days	732	365	30	31	28	31	31	30
Unaccounted for KWH (G-H)	185,095,277	96,111,571	15,557,645	7,889,418	7,475,038	3,308,139	5,300,656	7,353,724
Ratio of Unaccounted KWH:								
Ratio to Gross Generation (J/A)	5.42%	5.67%	10.60%	5.51%	5.83%	2.38%	3.80%	5.18%
Ratio to Net Generation (J/C)	5.66%	5.91%	11.05%	5.72%	6.09%	2.50%	3.97%	5.42%