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Bcc: Tina Muna Barnes <tinamunabarnes@gmail.com>

11-27-19	4:29 PM	11-27-19	Materials for meeting held on Nov. 26, 2019.*	Consolidated Commission on Utilities	35GL-19-1284

35GL-19-1284
Speaker Tina Rose Muña Barnes

DEC 0 2 2019
Time 2:26 (AM) PM
Received By: Matt

Sinseru yan Minagâhet,

Office of the Speaker • Tina Rose Muña Barnes
Committee on Public Accountability, Human Resources & the Guam Buildup

35th Guam Legislature
I Mina'trentai Singko na Liheslaturan Guåhan

Guam Congress Building | 163 Chalan Santo Papa | Hagatña, GU 96910
T: (671) 477-2520/1
speaker@guamlegislature.org

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Gumai pribilehu yan konfedensia este siha na mensåhi. Solo espesiåtmente para hågu ma entensiona pat ma atuetsa para unrisibi. Sen prubidu kumu i un ma atuetsa para manribisa, na'setbe, pat mandespåtcha. Yanggen ilachi unrisibu-mu na este na mensåhi , puc fabot agoʻ guatu gi I numa'huyong gi as speaker@guamlegislature.org yan despues deserosa todu siha I kopian mensåhi. Si Yuʻos maʻase'.

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Dear Governor & Speaker:

Pursuant to P.L. 31-233, attached are documents related to the CCU Nov. 26, 2019 meeting:

1. CCU Meeting packet.
2 GPA Resolutions 2019-15 thru 2019-20
3. GWA Resolutions 07-FY2020 thru 09-FY2020

Respectfully,
B. Lou Sablan
CCU Board Secretary

2019 DEC -2 PM 3:02

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1284

10 items

CCU 11.26.19.pdf
11 MB

Minutes August 9, 2019.pdf
310 KB

Resolution 07-FY2020 Contract Renewal JMI Edison Submersible Pumps_Motors.pdf
1.04 MB

Resolution 08-FY2020 Construction Contract Outfall Effluent Diffuser Installation Project NDWWTP.pdf
668 KB

Resolution 09-FY2020 General Provisions FY2020 Operating Budget.pdf
64.9 KB

Resolution 2019-15 Creation of SCADA Series of Positions.pdf
205 KB

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10 attachments

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Resolution 09-FY2020 General Provisions FY2020 Operating Budget.pdf
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Resolution 08-FY2020 Construction Contract Outfall Effluent Diffuser Installation Project NDWWTP.pdf
669K

Resolution 2019-15 Creation of SCADA Series of Positions.pdf
205K

Resolution 2019-16 LEAC Adjustment_Feb2020-Jul2020.pdf
116K

Resolution 2019-17 Solicitation of PMC for Cabras 1&2.pdf
59K

Resolution 2019-18 Relative to DSM Expenses Under LEAC.pdf
138K

Resolution 2019-20 Revised Interim NET Metering Rider Dkt 08-10.pdf
74K

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

Regular Board Meeting
CCU Conference Room, Gloria B. Nelson Public Service Building
5:30 p.m., November 26, 2019

AGENDA

1. CALL TO ORDER

2. APPROVAL OF MINUTES

3. COMMUNICATIONS
   - 3.1 Public Comments (2 min. per person)

4. GPA
   - 4.1 GM Report
   - 4.2 Financials
   - 4.3 Resolution 2019-15 Creation of Supervisory Control and Data Acquisition [SCADA] Technician Series of Positions
   - 4.4 Resolution 2019-16 Levelized Energy Adjustment Clause [LEAC] Adjustment
   - 4.5 Resolution 2019-17 Cabras 1&2 Performance Mgmt. Contract [PMC]
   - 4.6 Resolution 2019-18 Demand Side Mgmt. [DSM} Funding
   - 4.7 Resolution 2019-19 Net Metering [NEM] Policy Requiring Installation of Energy Storage System [ESS]
   - 4.8 Resolution 2019-20 Net Metering Tariff

5. GWA
   - 5.1 GM Report
   - 5.2 Financials
   - 5.3 Resolution No. 07-FY2020 Contract Renewal with JMI Edison for Submersible Pumps and Motor Inventory for Deep Wells
   - 5.4 Resolution No. 08-FY2020 Contract for Construction of the Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant
   - 5.5 Resolution No. 09-FY2020 Adoption of General Provisions to Guam Waterworks Authority Operating Budgets

6. ANNOUNCEMENTS
   - 6.1 Next CCU Meetings: GWA Work Session – Jan 21; GPA WS – Jan 23; CCU Mtg – Jan 28

7. EXECUTIVE SESSION
   - 7.1 Litigation Matter

8. ADJOURNMENT

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

Special Board Meeting
Guam Waterworks Authority
CCU Conference Room, Gloria B. Nelson Public Service Building
5:30 p.m., August 9 2019

MINUTES

1. CALL TO ORDER

The Chairman called the CCU / GWA Special Meeting of the Consolidated Commission on Utilities for August 9, 2019 to order at 5:32 p.m. He said four (4) Commissioners were present and that Comm. Sanchez was excused. He said this meeting is for GWA issue only and follows the matter relative to the 5-year Master & Financial Plan.

The GM said this meeting was initially meant to review and approve the bond issuance & borrowing that GWA will need to complete the Court Order requirements however the necessary documents were placed on hold due to the uncertainty of the timing of when PUC will act on the rate case. Rather than presenting a resolution, management will update the Commission on the status of the 5-year Master Plan and the Bond Issuance to date.

Others in attendance include:

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer

Executive Mgmt.:

Miguel Bordallo	GM / GWA
Chris Budasi	AGMA / GWA
Kelly Clark	Legal Counsel / GWA

Management & Staff:

Paul Kemp	Asst. GM Compliance & Safety / GWA
Vangie Lujan	Compliance / GWA
Lou Sablan	Board Secretary / CCU

Guests:

Mark Miller	Commissioner / PUC

2. COMMUNICATIONS

2.1 Public Comments – None

3. NEW BUSINESS

3.1 Discussion on Upcoming Bond Issuance

- Bonds were originally planned for 2018 under 2nd legislative authorization of $450M
- In FY2018, decision was made to delay bond issuance and rate relief request to support borrowing
- Bonds are required for 2011 Court Order projects, NDWWTP and upcoming Consent Decree

GWA Historic Bond Activity			
Year	Authorizations	Issuances	Balance
Legislative Authorizations			
2005	$ 220,000,000		
2009/2010	$ 450,000,000		
	$ 670,000,000		$ 670,000,000
Completed Bonds			
2005		$ 101,175,000	$ 568,825,000
2010		$ 118,825,000	$ 450,000,000
2013		$ 172,630,000	$ 277,370,000
2016		$ 143,310,000	$ 134,060,000
		$ 434,765,000	
Proposed Bonds			
2019		$ 134,060,000	$ -

	Breakdown of Proposed 2019 Bond			$ 134,060,000
1	Consent Decree Projects			
	PW 09-11	Water System Reservoir Improvements	$ 26,188,000	
	PW 11-02	Ugum WTP Reservoir	$ 7,500,000	
	PW 12-06	Tank Replacement Piti & Hyundai	$ 6,500,000	
	MP-PW-Tank-22	Existing Tank Inspections/Assessment	$ 150,000	
			$ 40,338,000	$ 40,338,000
2	NDWWTP Completion / OEA Projects			
	MP-WW-WWTP-08	Northern District WWTP Completion	$ 14,500,000	$ 14,500,000
3	Future Consent Decree Projects			
	MP-WW-Pipe-17	Mamajanao Capacity Replacement	$ 1,700,000	
	MP-WW-FM-01	Force Main Replacement / Rehab	$ 100,000	
	MP-WW-FM-02	Yigo FM Replacement	$ 200,000	
	MP-WW-FM-03	Route 1 Asan Force Main Replacement	$ 2,124,000	
	MP-WW-FM-04	Hagatna WWTP Force Main Rehab	$ 6,689,000	
	MP-WW-Pump-01	Lift Station Yrehab Program	$ 8,620,000	
	MP-WW-Pump-02	Fujita Lift Station	$ 10,923,000	
			$ 30,356,000	$ 30,356,000
4	Other Water / Wastewater Improvements per 2018 WRMP			$ 48,866,000
	Production wells: new and rehabilitation			
	Water distribution system - pipe and valve replacements			
	Pressure Zone Realignment projects			
	Valve, tank inspection, repair and maintenance projects			
	Sewer line and manhole repair, rehabilitation projects			
	Sewer line replacement projects			
	SCADA projects			
	General Plant improvement projects			
	Security and resiliency projects			
	Planning and Master Plan Updates			

4. OLD BUSINESS

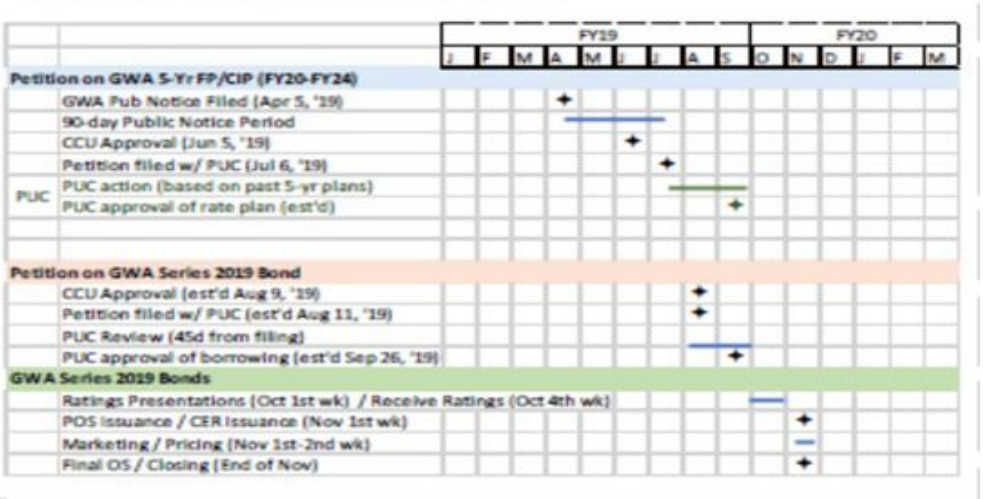
4.1 Discussion on GWA's Five-Year Fininancial Plan and CIP

- GWA filed public notice of financial plan and proposed rate increases on April 5, 2019 (90-day) and June 6, 2019 (30-day)
- 90-day public notice period required by Ratepayer Bill of Rights commenced April 5, 2019 to July 6, 2019

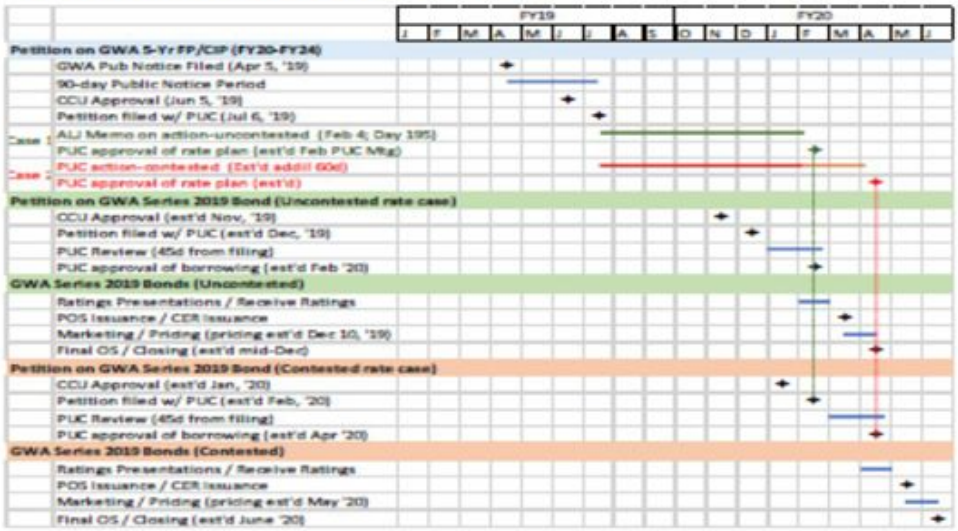
- GWA held three (3) village meetings and conducted
  - Yigo, Agat/Santa Rita, Mangilao village meetings: May 2019
  - Governor/Lt. Gov., Speaker Barnes / Sen. Perez, Mayor's Council: May-June 2019
  - Guam Chamber of Commerce, Rotary Club of Guam, Guam Society of Professional Engineers: May-July 2019
- GWA filed rate case petition with PUC on July 6, 2019
- Based on past PUC action, anticipated decision w/in 60-90 days by FY2020

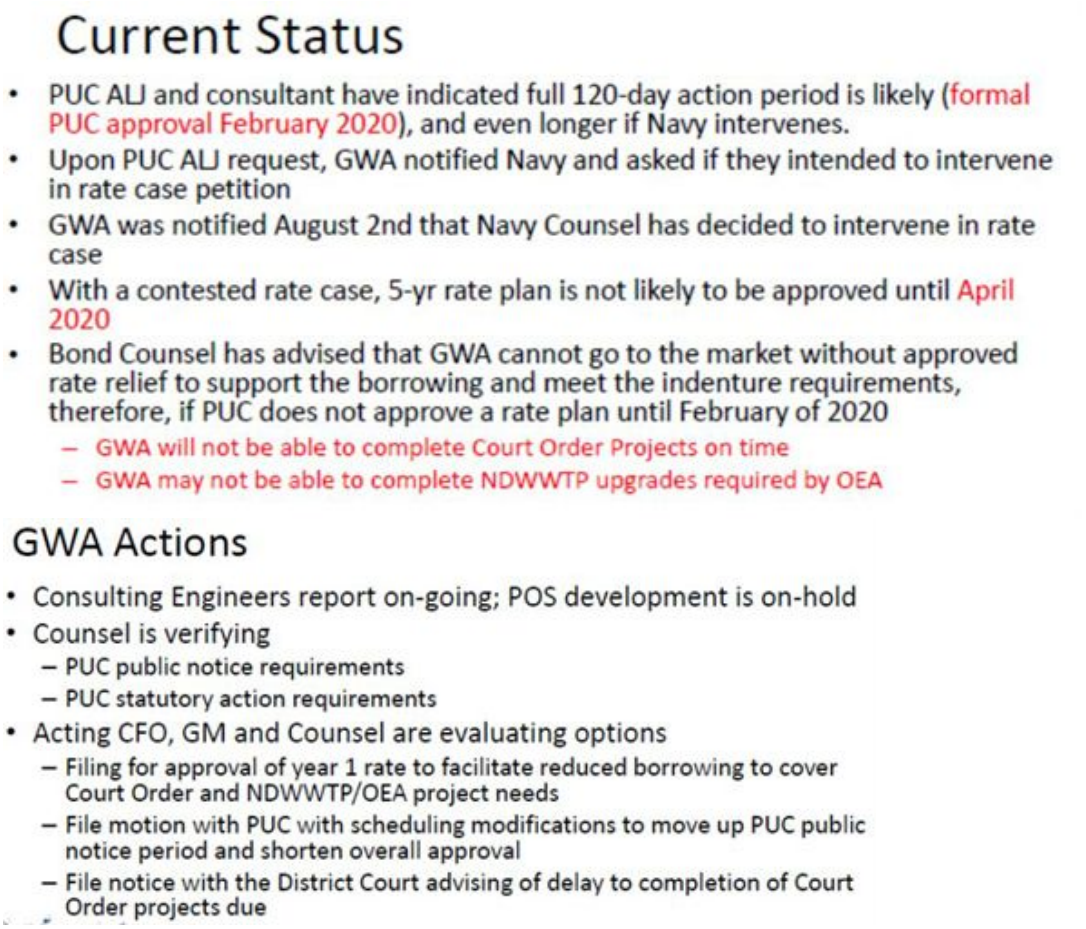
RATE PLAN AND FINANCING SCHEDULE IMPACTS

GWA Planned Schedule



PUC Planned Schedule





The GM advised that bond counsel said GWA has to be able to show that it can meet the coverages in the indenture either historically or prospectively – historically using the current rates or prospective using approved forward looking rates. The GM said they do not have the perspective piece at this time.

He added that he asked what if GWA only asked for year 1 rate increase but in order to do this sand to meet the requirement it would mean a $75M borrowing and the increase would be 17%. The GM said if this request was made, he is concerned that the PUC would restart the clock and he is not sure of the value of asking this question at this point.

Comm Santos asked what the Navy intervention mean? Counsel Kelly said that it is not clear or hard to guess. The Navy never intervened before. The GM said that he made it clear to the Navy that they have no special rates with GWA

Comm. Santos what would happen if GWA does not complete the Court Order on time. If GWA was in contempt, it would be USEPA's call.

The GM said he made it clear in the last scheduling conference that the reason he would like to expedite their approval was specifically for the Court Order and to get the best interest rates to benefit the ratepayers.

The GM clarified that the 17% increase in year 1 would be followed by no rate increases for the next following 2 years.

Management also added that they had a pre-filing conference with PUC and their consultants in April to see if they get ahead of the process.

Comm. Limtiaco asked besides the potential for Navy intervention what is different this time and management said the last 2 rate cases were handled by a different ALJ and a different consultant.

The Chairman said we just need to keep communications with the ALJ and to respond immediately to request for information [RFI].

Comm. Limtiaco said it is also important to let USEPA know that GWA has met all their timelines and we have no control over PUC.

5. ANNOUNCEMENTS

5.1 Next CCU Meetings:

The Chairman reminded the Commissioners of the August meeting dates – GPA Work Session on August 20; GPA Work Session on August 22, a CCU/GWA Meeting on August 27 and a CCU/GPA meeting on August 29.

There was discussion on the scheduling for CCU meetings relative to timelines for GPA and GWA key matters.

Comm. Limtiaco said it is important that there is no delay and is wondering if we need to move faster. We should decide to draft a resolution and recess this meeting and present the draft resolution when we meet again.

Comm. Guthertz motioned to recess this meeting until Friday, August 16, 2019 at 4 p.m., second by Comm. Santos. There was no further discussion or objection and the motion passed.

CONTINUATION of Special Board Meeting
Of Guam Waterworks Authority on August 9, 2019
CCU Conference Room, Gloria B. Nelson Public Service Building
RECONVENED at 5:30 p.m., August 16, 2019

CCU Vice Chairman called the meeting to order at 4:11 p.m. He said this is a continuation of a Special Meeting held on August 9, 2019.

Those present include:

Commissioners:

Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer
Simon A. Sanchez	Commissioner

Executive Mgmt.:

Miguel Bordallo	GM / GWA
Kelly Clark	Legal Counsel / GWA

Management & Staff:

Zina Pangelinan	Personnel Admin / GWA HR
Lou Sablan	Board Secretary / CCU

Comm. Guthertz moved to excuse Chairman Duenas who is off-island; second by Comm. Santos. There was no objection.

GM Bordallo said at the last meeting management received instruction from the CCU to examine whether notification needed to be provided to the court with respect to the potential delay of the rate plan and subsequent borrowing which would cause delay in the completion of court ordered project. Counsel found a provision in the Court Order which allows for dispute resolution. He said management has been in discussion with USEPA about this delay and other potential delays and they have not disputed that additional time is required so management is not sure whether or not to use this clause to handle any dispute resolution. Management feels that at this point it would be premature to make an official notice to the court. As the deadline gets closer and with better handle of deadlines with court ordered projects it would be best to postpone any filings.

Comm. Limtiaco said the CCU at the last meeting raised concerns if the Commission had a duty to notify the court and what was outlined was the sense of urgency. Given managements input today perhaps there's a different course of action other than notifying the courts. Comm. Limtiaco made it clear the he thinks management should notify all parties as soon as possible. GM Bordallo confirmed that EPA and DOJ are aware of the current situation. DOJ has expressed in a recent email that they are concerned and not happy about the proposed rate case schedule for approval. The GM said he would

be happy to provide details at an executive session at a future meeting. There was discussion to possibly amend the agenda to include an executive session for further discussion.

Comm. Guthertz asked why the PUC delayed the rate case approval. The GM set up the schedule for this rate schedule based on past rate case but PUC is being very conservative in their scheduling and more formal than in the previous rate cases. One example is they asked about Navy and possibility of their intervention which they did not do in the past. ALJ has been very conservative with scheduling.

Comm. Sanchez said PUC knows that GWA needs this borrowing to finish the court order. He recommended that management write ALJ letter to share concern that we stay on track and on time to complete the court order with copy to EPA, the PUC Commissioners. He also commented that he was surprised that PUC is asking for Navy's opinion and encouraged management to continue collaborative efforts Our goals are the same - to finish the court order. He is comfortable to authorize the Chairman to capture in writing CCU's sentiment / concern and copy EPA, PUC Commissioners and the CCU.

The GM said he will be presenting to Navy on Tuesday next week at their offices in Nimitz Hill. Management will give the same presentation that was given to the Governor.

Management will update CCU at the GWA WS on August 20th.

6. ADJOURNMENT

There being no other business to bring before the Commission, the meeting adjourned at 4:35 p.m.

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Bls

Attested

_____	_____
JOSEPH T. DUENAS, Chairman	MICHAEL T. LIMTIACO Secretary

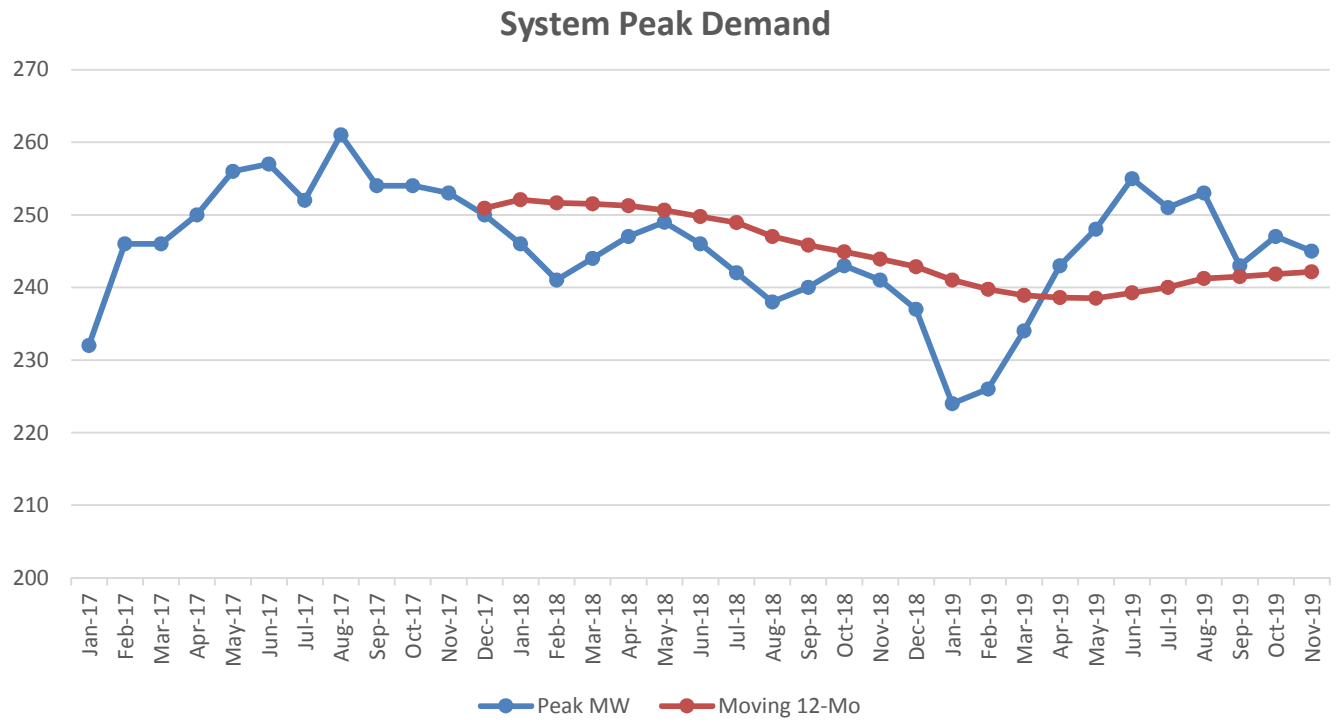
GENERAL MANAGER'S REPORT

NOVEMBER 2019

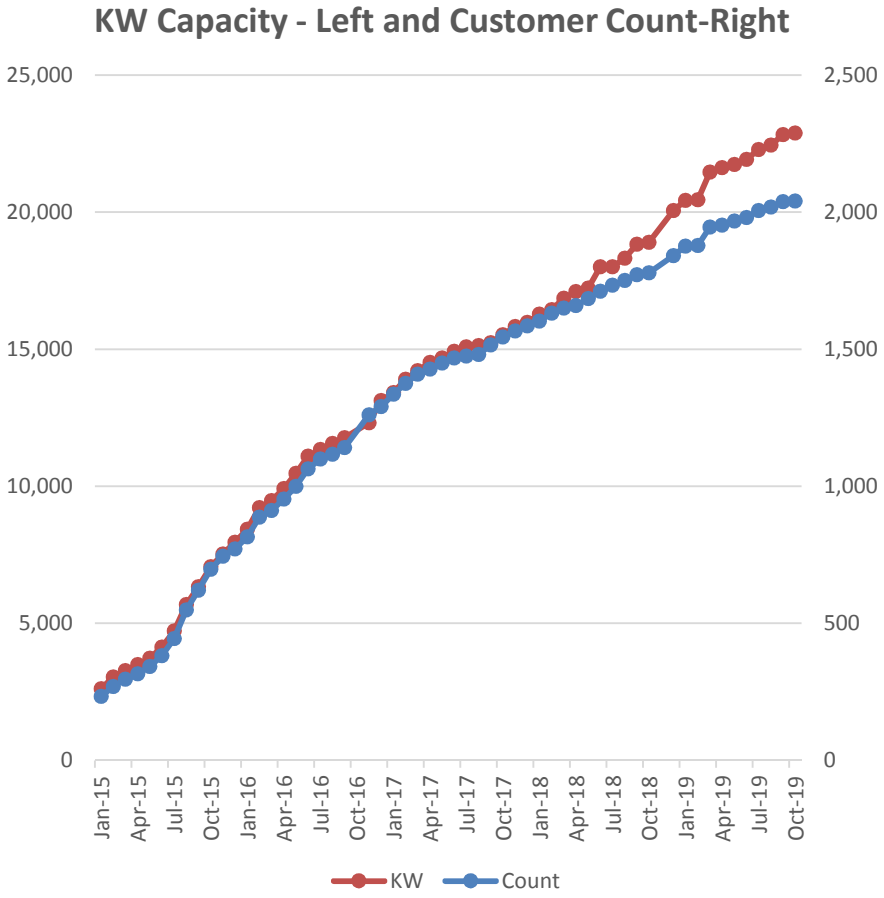
1. **Generation System:** The following is the generation forecast for December 2019:

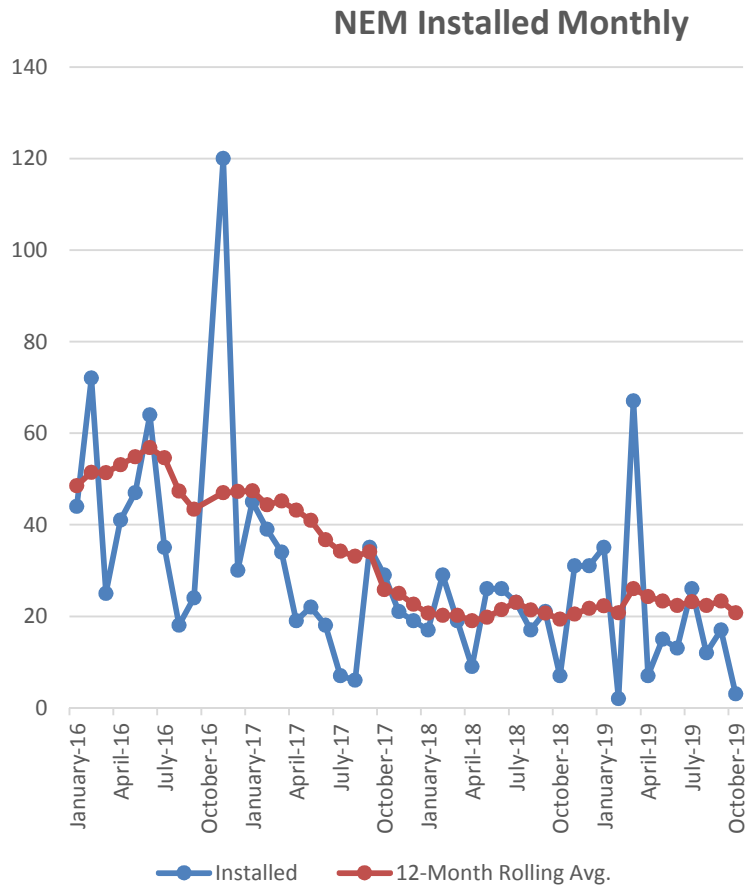
   Projected Available Capacity: 319 MW
   Projected Demand: 242 MW
   Anticipated Reserve Margin: 77 MW
   Significant Outage: Cabras 2 undergoing boiler tube repairs for 14 days.

   - The following updates the monthly peak demands ending November 25, 2019:

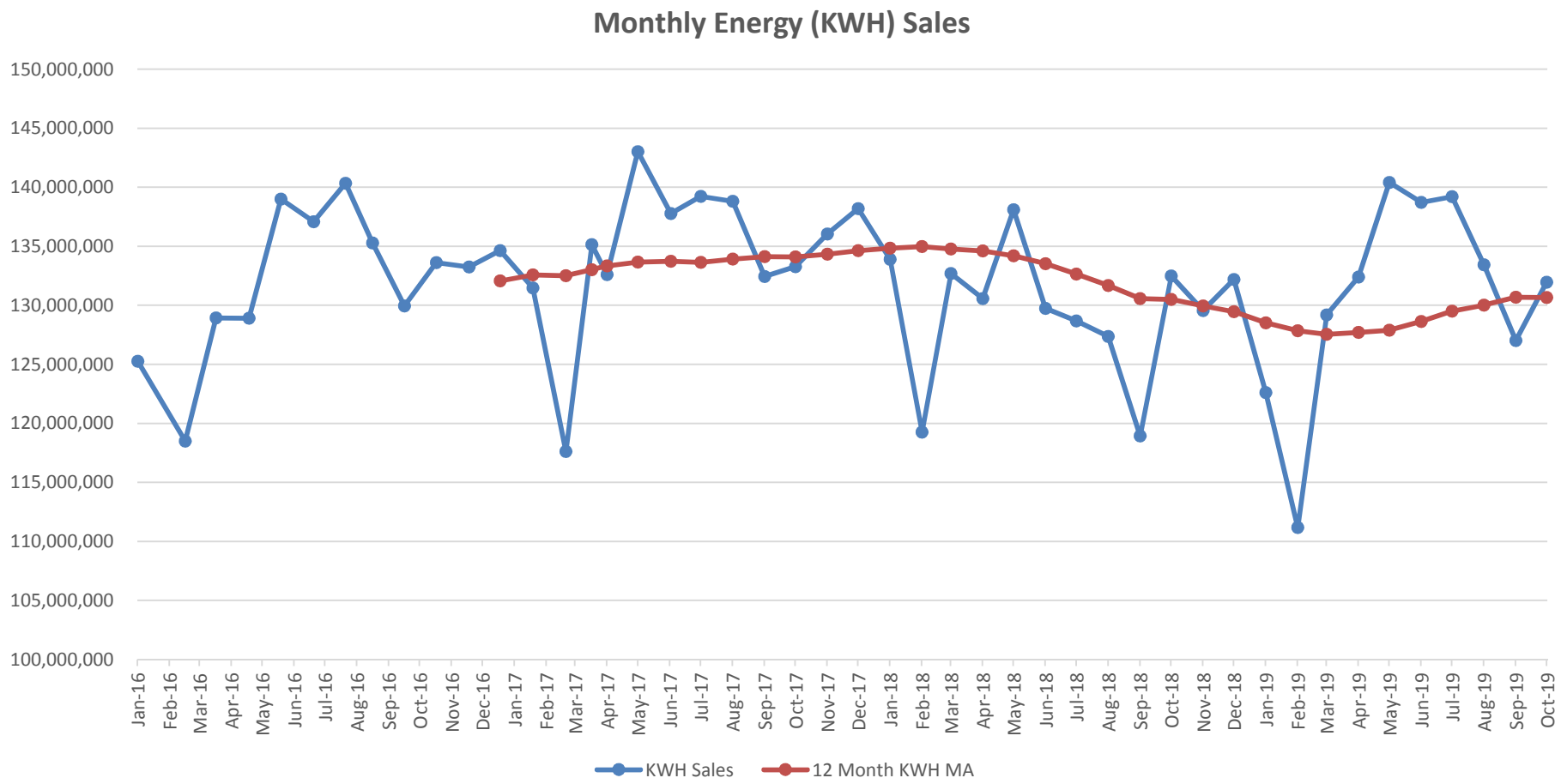


2. Net Metering (NEM) Growth thru October 2019:





3. Energy Sales Thru October 2019:



Demand Side Management (DSM)

4. **Program directly reduces energy cost to customer at a one time fixed rebate. Funded over $3.9M from base rate**

DSM PROGRAM SUMMARY

Description	FY16	FY17	FY18	FY19	FY20 As of 10/31/19*	Total to Date
Regular/OT Pay	$11,348.80	$22,256.00	$26,121.83	$50,715.19	$414.15	$110,855.97
Other Contractual	$28,278.50	$85,550.05	$116,977.50	$3,025.00	-	$233,831.05
Ads & Radio Announcements	-	-	-	$7,500.00	-	$7,500.00
Paid Rebates-Split AC	$154,700.00	$557,275.00	$1,349,825.00	$1,254,550.00	$119,100.00	$3,435,450.00
Paid Rebates-Central AC	$3,400.00	$8,200.00	$4,400.00	$6,000.00	$500.00	$22,500.00
Paid Rebates-Washer/Dryer	$2,800.00	$7,425.00	$57,200.00	$100,000.00	$10,600.00	$178,025.00
Total Expenses	**$200,527.30**	**$680,706.05**	**$1,554,524.33**	**$1,421,790.19**	**$130,614.15**	**$3,988,162.02**

5. PUC DOCKETS:
   - GPA Docket 20-01, Petition for PUC Approval of Consent Decree with USEPA is on the PUC agenda for December 5, 2019 meeting. PUC indicated to GPA that PUC approval of the Consent Decree is required and GPA has made the filing accordingly.

6. New Power Plant: The PUC approved for GPA to contract with KEPCO for the 198 MW power plant at their October 31, 2019 meeting. I signed the contract on November 5, 2019. KEPCO has been provided the notice to proceed. KEPCO is currently proceeding to acquire permits required and financing.

7. Employee Briefings Conducted:
   - Semi-annual Employee Briefings were held on November 13 & 14, 2019.
   - Briefing covered the many issues GPA faced over the past several months and the near term goals we are pursuing.
   - We thanked employees for their excellent work during these past few months.
   - Key concern amongst generation employees understandingly is the retirement of plants by 2020. GPA is currently preparing plans on rightsizing which we would bring to the commission for consideration between March and June 2020.
   - GPA is working to determine which plants to recommend operating after the commissioning of the new plant.
   - An updated Integrated Resource Plan is being worked on in order to answer our future generation mix question. The IRP is scheduled for completion by June 2020.

8. New Apprentices:

- GPA welcomed on board 18 new apprentices for the T&D division. They are being trained in key difficult to recruit areas such as overhead lines, underground lines, meter and relay, and substation. It is estimated that 46% of T&D employees will be eligible for retirement within the next 10 years. These brings the number of apprentices to 38.

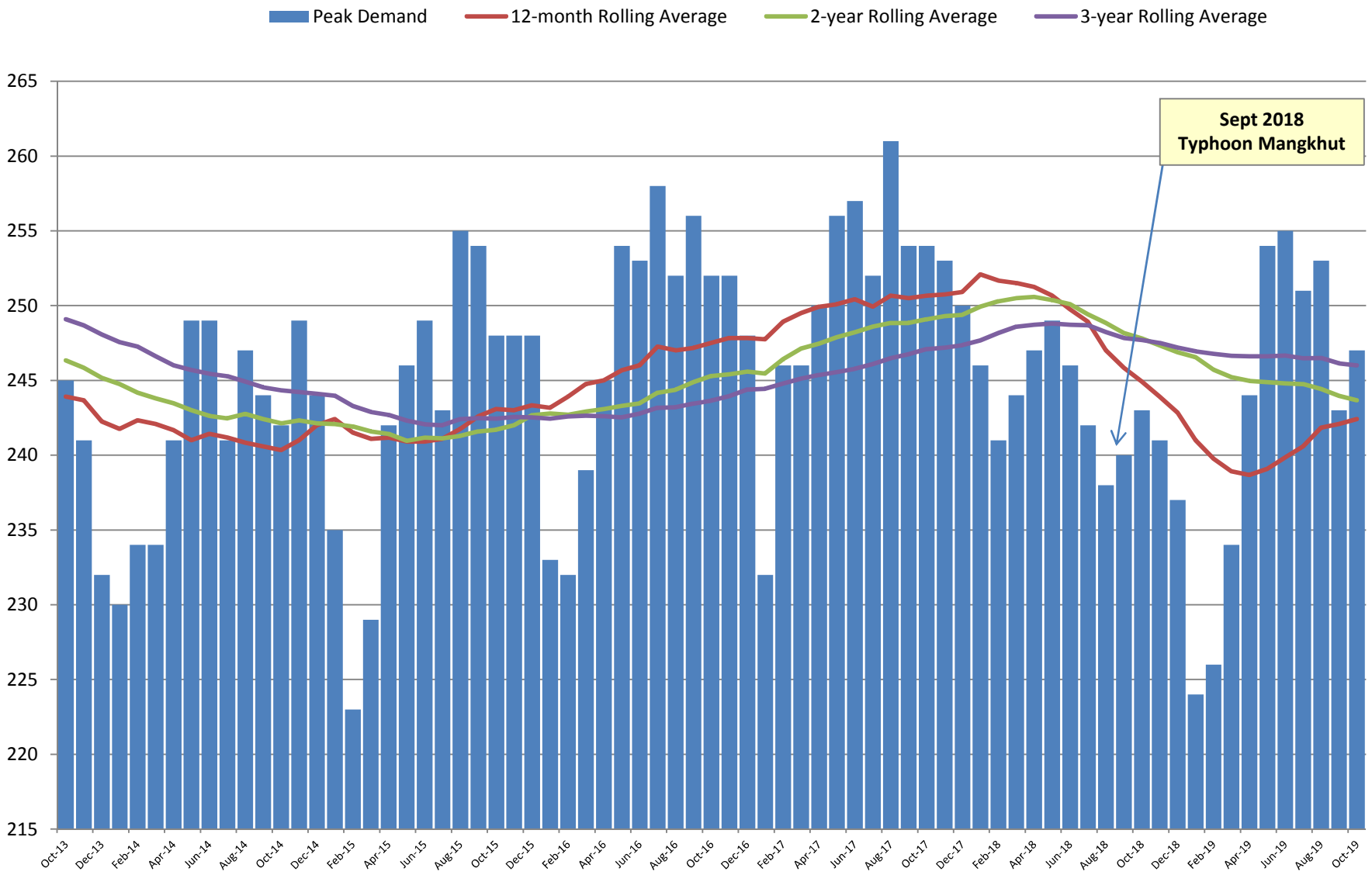
9. Phase III renewables Project:

- The lowest bidder was determined to be Engie at about $0.11/Kwh. However, there was a protest filed with GPA by GlidePath. Protest was denied by GPA. Glidepath has since filed their protest with the OPA. GPA will work with the OPA for the resolution of this significant project whose unit price is substantially below current LEAC.

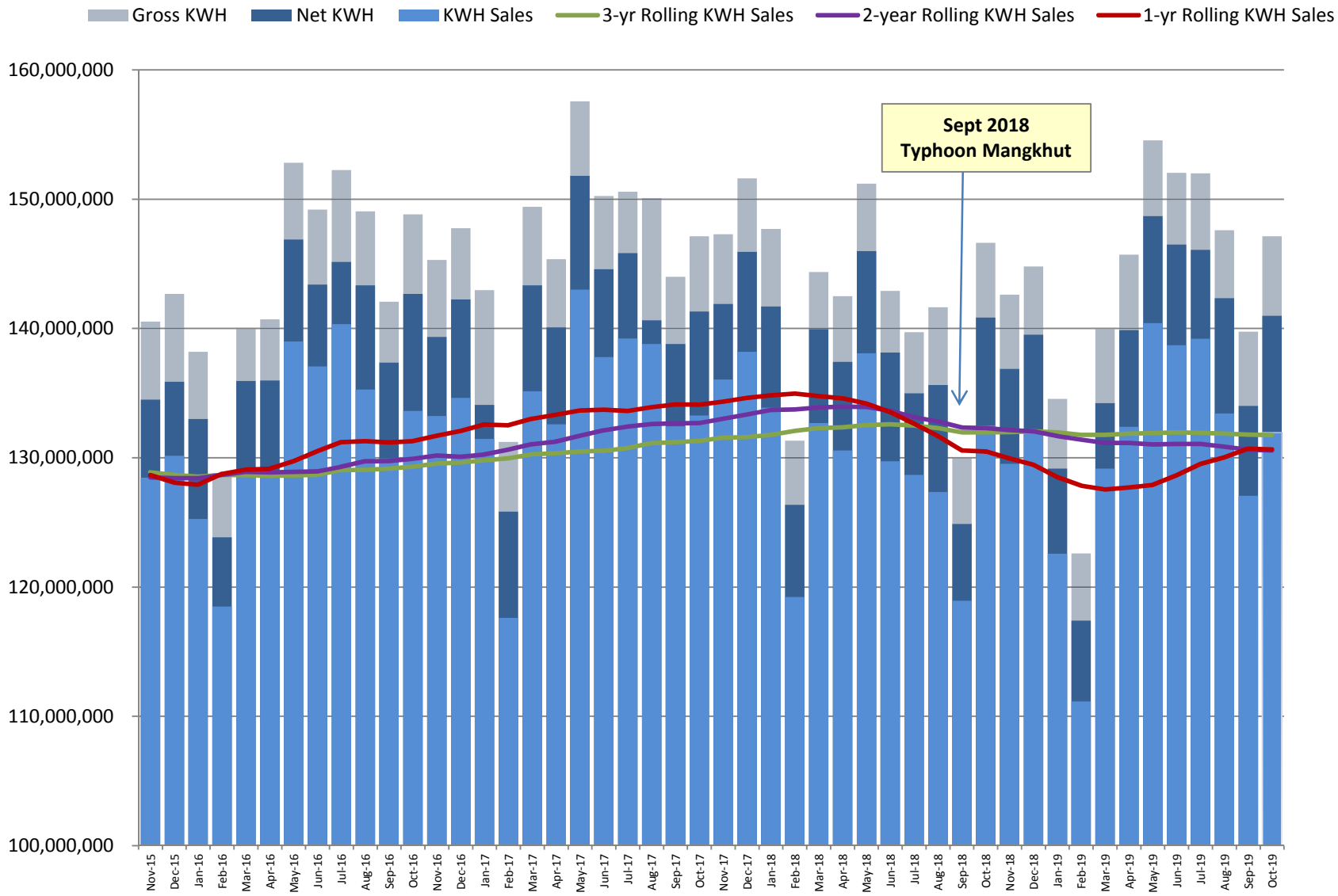
Updated Key Metrics

October 2019

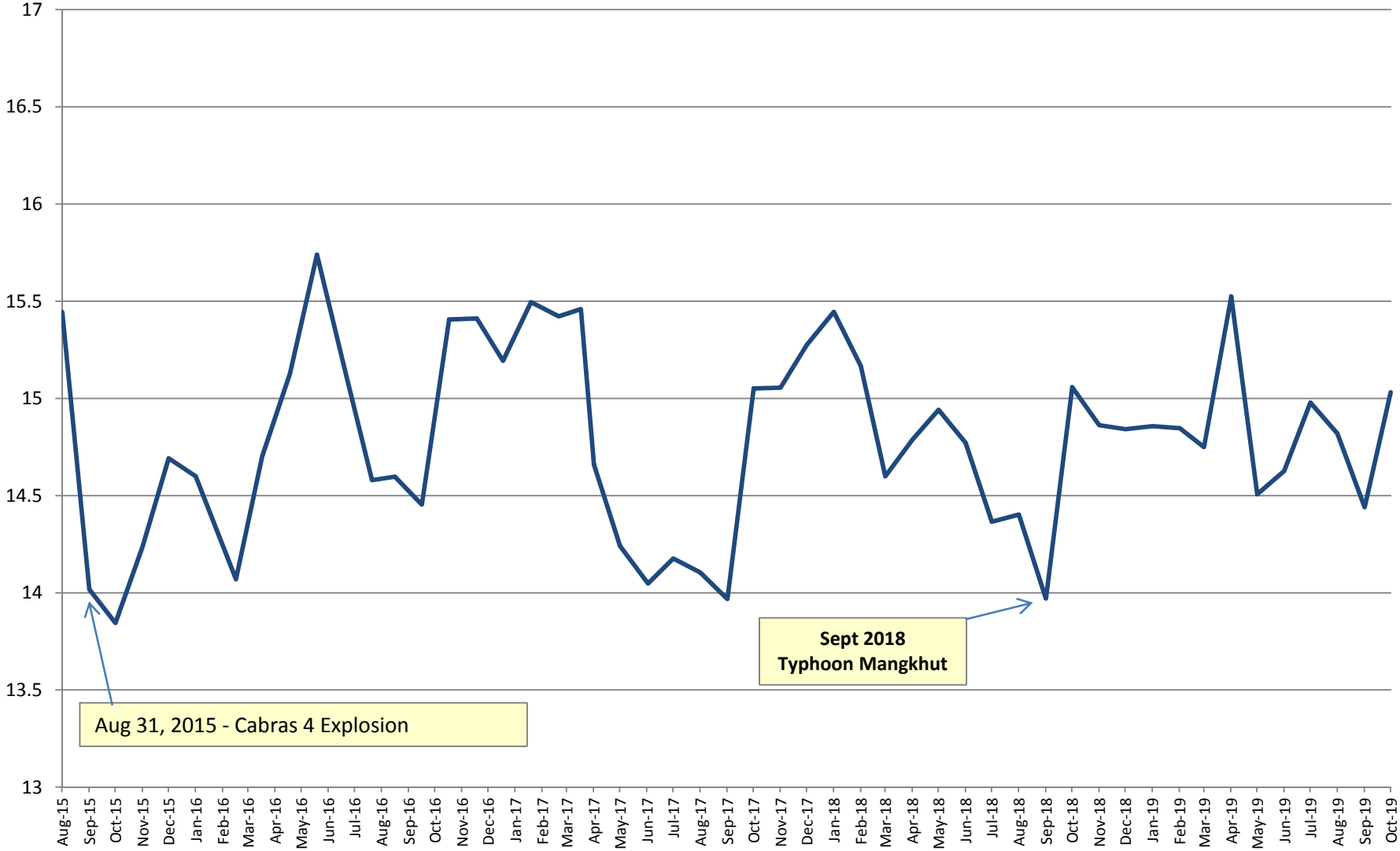
Historical Monthly Peak Demand
October 2013 - Oct 2019



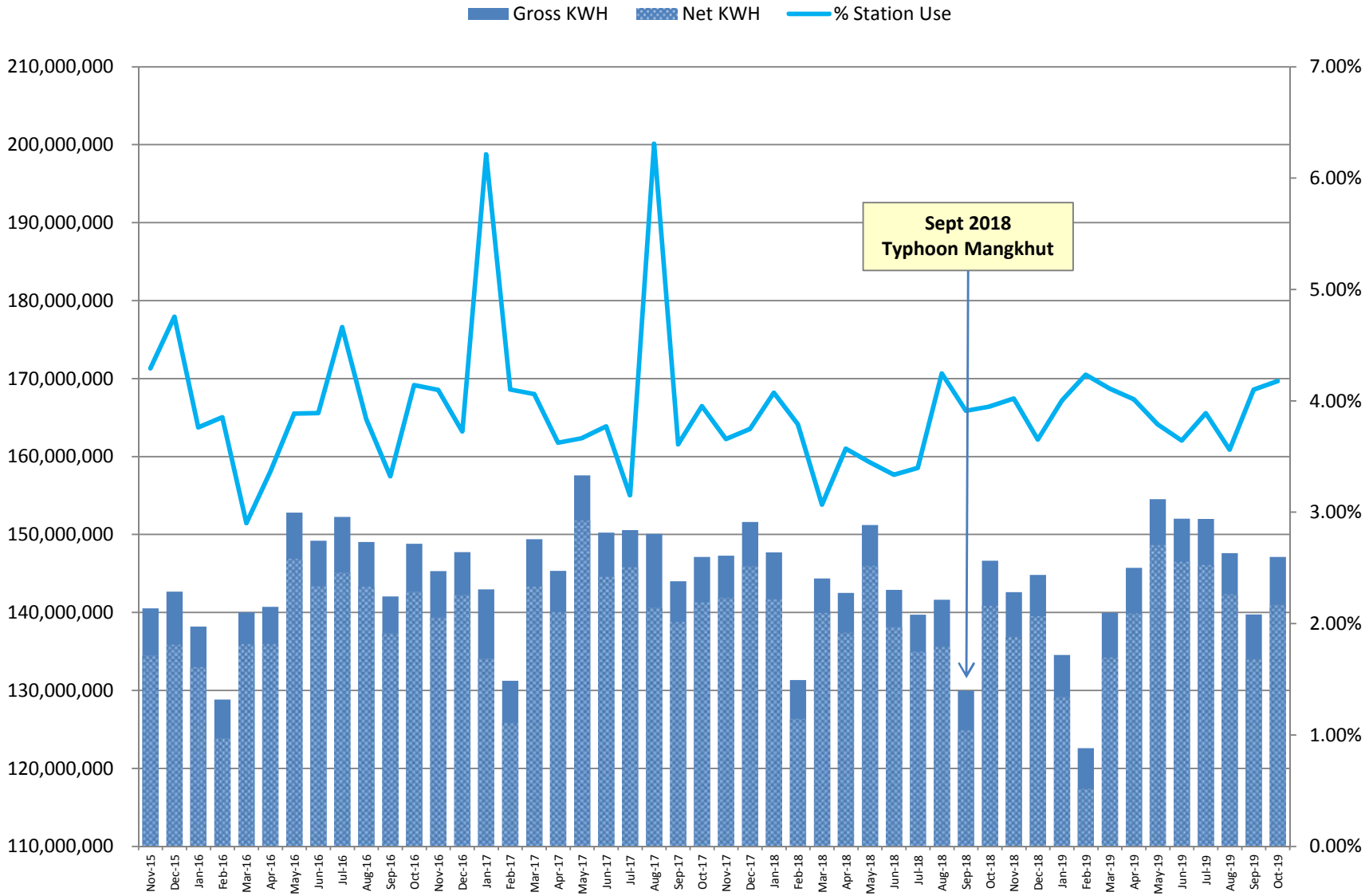
Historical KWH Sales
Nov 2015 - Oct 2019



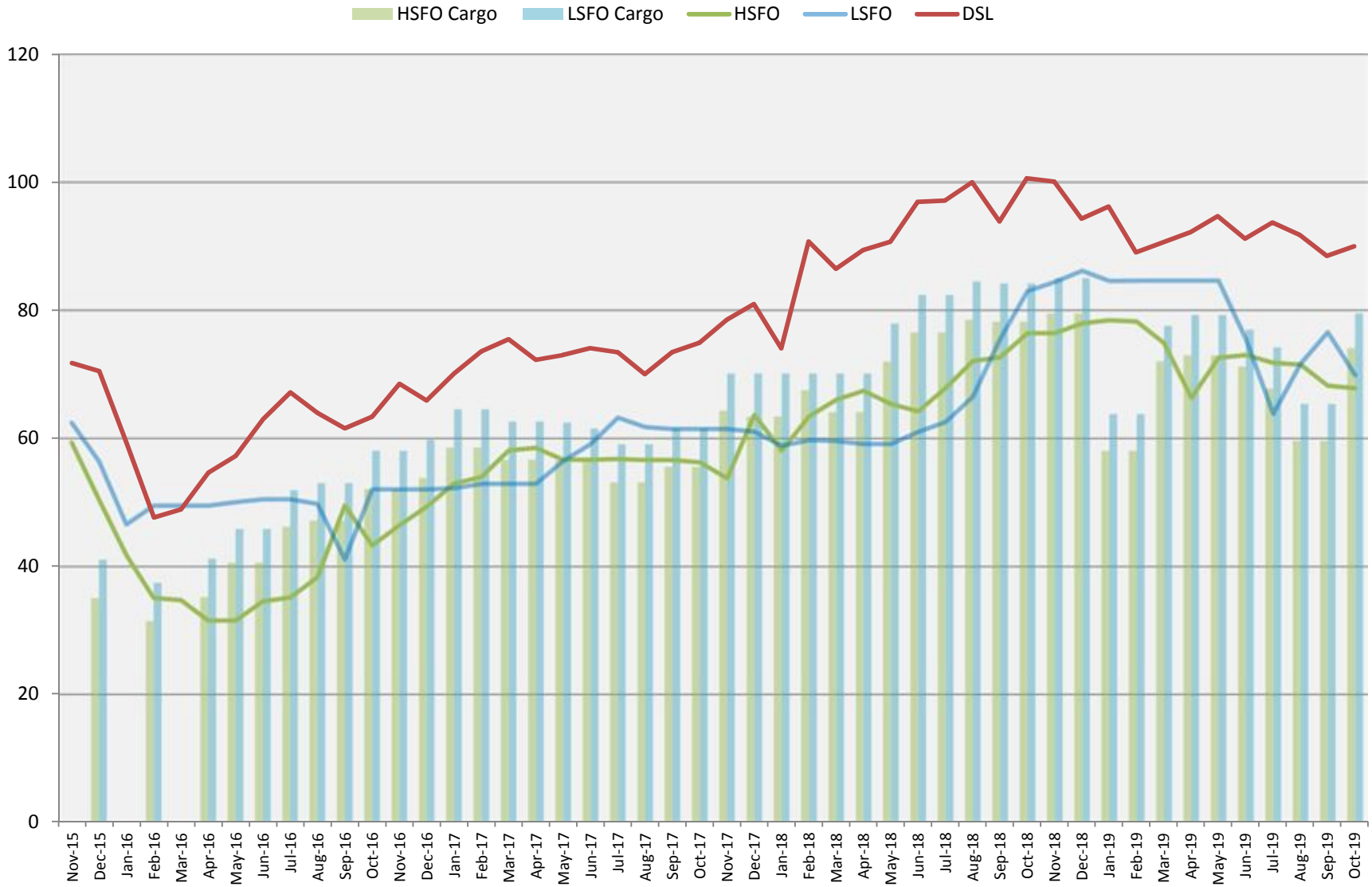
SYSTEM GROSS HEAT RATE
(KWH/Gal)
Aug 2015 - Oct 2019



Gross and Net Generation (KWH)
Nov 2015 - Oct 2019



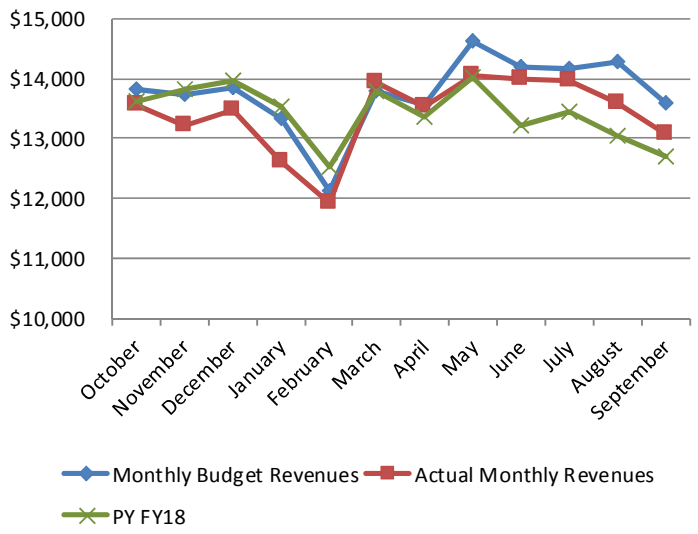
Fuel Cargo and Fuel Consumption Costs ($/bbl)
Nov 2015 - Oct 2019



CFO
FINANCIAL HIGHLIGHTS
September 2019

September 2019 Monthly Financial Highlights

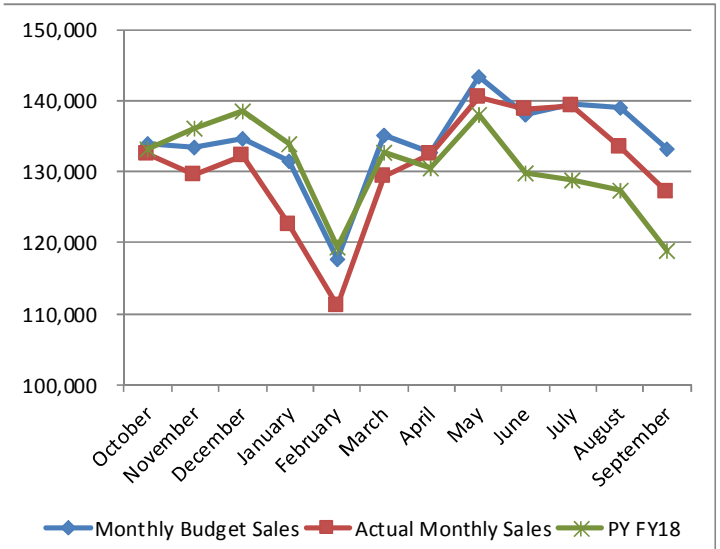
Base Rate Revenue $000



Through September 30, 2019

$000	Monthly Budget Revenues	Actual Monthly Revenues	Variance		PY FY18	CY vs PY Variance	
October	$ 13,811	$ 13,564	$ (246)	↓	$ 13,625	$ (61)	↓
November	13,723	13,203	$ (519)	↓	13,827	$ (624)	↓
December	13,833	13,467	$ (365)	↓	13,968	$ (501)	↓
January	13,321	12,616	$ (705)	↓	13,534	$ (918)	↓
February	12,114	11,915	$ (199)	↓	12,522	$ (607)	↓
March	13,790	13,926	$ 135	↑	13,776	$ 150	↑
April	13,562	13,520	$ (42)	↓	13,351	$ 169	↑
May	14,630	14,057	$ (573)	↓	14,011	$ 46	↑
June	14,196	13,977	$ (219)	↓	13,201	$ 776	↑
July	14,152	13,951	$ (202)	↓	13,446	$ 504	↑
August	14,280	13,595	$ (685)	↓	13,041	$ 554	↑
September	13,590	13,073	$ (517)	↓	12,707	$ 366	↑
Total	**$ 165,002**	**$ 160,865**	**$ (4,137)**	↓	**$ 161,010**	**$ (145)**	↓

MWh Sales

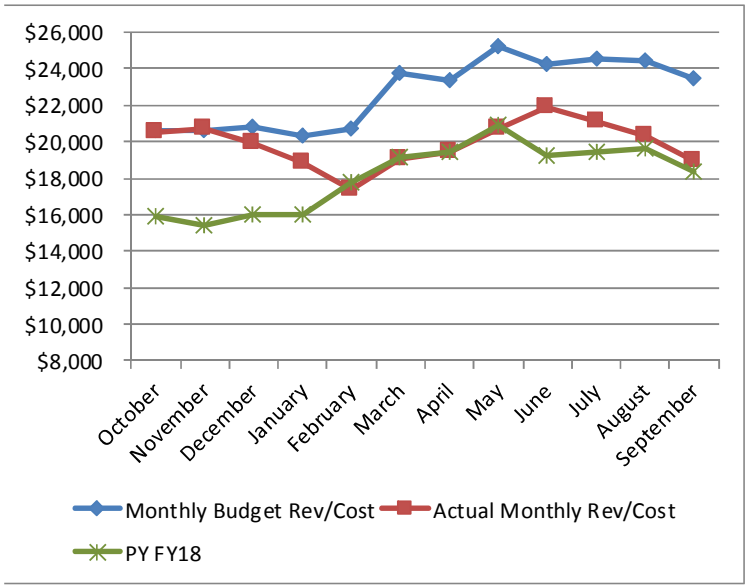


Through September 30, 2019

gwh	Monthly Budget Sales	Actual Monthly Sales	Variance		PY FY18	CY vs PY Variance	
October	133,797	132,489	(1,308)	↓	133,262	(773)	↓
November	133,346	129,537	(3,809)	↓	136,044	(6,506)	↓
December	134,715	132,190	(2,525)	↓	138,587	(6,397)	↓
January	131,547	122,590	(8,958)	↓	133,882	(11,292)	↓
February	117,775	111,159	(6,616)	↓	119,241	(8,082)	↓
March	135,196	129,170	(6,026)	↓	132,693	(3,523)	↓
April	132,763	132,396	(367)	↓	130,565	1,830	↑
May	143,236	140,412	(2,824)	↓	138,085	2,327	↑
June	138,016	138,704	688	↑	129,728	8,976	↑
July	139,434	139,204	(230)	↓	128,681	10,523	↑
August	139,030	133,422	(5,608)	↓	127,348	6,074	↑
September	133,149	127,050	(6,100)	↓	118,935	8,115	↑
Total	**1,612,003**	**1,568,322**	**(43,681)**	↓	**1,567,052**	**1,269**	↑

September 2019 Monthly Financial Highlights (Continued)

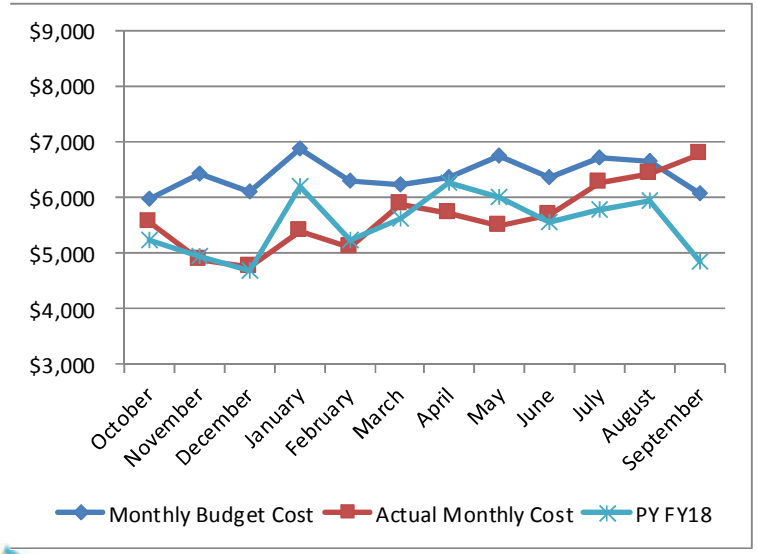
Fuel Revenue/ Cost $000



Through September 30, 2019

$000	Monthly Budget Rev/Cost	Actual Monthly Rev/Cost	Variance		PY FY18	CY vs PY Variance	
October	$ 20,637	$ 20,550	$ (87)	↓	$ 15,936	$ 4,615	↑
November	20,568	20,711	$ 143	↑	15,400	$ 5,310	↑
December	20,779	19,969	$ (810)	↓	16,007	$ 3,961	↑
January	20,290	18,822	$ (1,468)	↓	16,036	$ 2,785	↑
February	20,718	17,368	$ (3,350)	↓	17,763	$ (395)	↓
March	23,783	19,017	$ (4,765)	↓	19,180	$ (163)	↓
April	23,354	19,442	(3,912)	↓	19,441	2	↑
May	25,197	20,711	(4,486)	↓	20,854	(143)	↓
June	24,279	21,932	(2,347)	↓	19,252	2,680	↑
July	24,528	21,082	(3,446)	↓	19,457	1,624	↑
August	24,457	20,331	(4,126)	↓	19,608	723	↑
September	23,422	18,935	(4,488)	↓	18,390	544	↑
Total	**$ 272,011**	**$ 238,868**	**$ (33,143)**	↓	**$ 217,324**	**$ 21,544**	↑

O&M Cost $000



Through September 30, 2019

$000	Monthly Budget Cost	Actual Monthly Cost	Variance		PY FY18	CY vs PY Variance	
October	$ 5,986	5,551	435	↑	5,239	(312)	↓
November	6,419	4,875	1,544	↑	4,941	66	↑
December	6,119	4,762	1,358	↑	4,694	(68)	↓
January	6,882	5,399	1,483	↑	6,204	805	↑
February	6,291	5,114	1,177	↑	5,252	138	↑
March	6,231	5,869	362	↑	5,638	(231)	↓
April	6,374	5,704	670	↑	6,269	565	↑
May	6,753	5,485	1,268	↑	6,005	520	↑
June	6,373	5,703	670	↑	5,558	(145)	↓
July	6,710	6,276	434	↑	5,797	(479)	↓
August	6,648	6,421	227	↑	5,961	(460)	↓
September	6,079	6,797	(718)	↓	4,836	(1,961)	↓
Total	**$ 76,866**	**$ 67,956**	**$ 8,910**	↑	**$ 66,394**	**$ (1,562)**	↑

September 2019 Monthly Financial Highlights (Continued)

Through September 30, 2019

	3Q2018	4Q2018	1Q2019	2Q2019	3Q2019	4Q2019
Residential	44,074	43,887	43,920	44,144	44,329	44,479
Commercial	5,278	5,261	5,273	5,291	5,303	5,289
Government	1,092	1,077	1,090	1,074	1,075	1,070
Streetlights	1,091	1,152	1,151	1,152	1,138	1,138
Navy	1	1	1	1	1	1
Total	51,536	51,378	51,435	51,662	51,846	51,977

Debt service coverage (DSC) calculation-indenture	2013	2014	2015	2016	2017	2018	2019
Senior lien coverage	3.36	3.16	3.62	3.28	2.65	2.53	1.97
Aggregate debt service coverage	1.88	1.98	2.62	3.28	2.65	2.53	1.97
Debt service coverage (DSC) calculation-IPP as O&M							
Senior lien coverage	2.16	2.55	2.56	2.45	1.79	1.65	1.64
Aggregate debt service coverage	1.21	1.41	1.85	2.45	1.79	1.65	1.64

GUAM POWER AUTHORITY
ATURIDAT ILEKTRESEDAT GUAHAN
P O BOX 2977, AGANA, GUAM 96932-2977
Telephone: (671) 648-3066 Fax: (671) 648-3168

GUAM POWER AUTHORITY
FINANCIAL STATEMENT OVERVIEW
September 2019

Attached are the financial statements and supporting schedules for the month and fiscal year ended September 30, 2019.

Summary
The increase in net assets for the year ended was $21.2 million as compared to the anticipated net increase of $8.0 million projected at the beginning of the year. The total kWh sales for the year were 2.71% less than projected and non-fuel revenues were $4.1 million less than the estimated amount. O & M expenses for the year were $66.9 million which was $10.0 million less than our projections for this year. Other expenses for the year such as interest expense, IPP costs, (net of interest income and other income) totaled to $41.3 million, which was $1.5 less than the projected amounts. There were no other significant departures from the budget during the period.

Analysis

Description	Previous Month	Current Month	Target
Quick Ratio	2.40	2.62	2
Days in Receivables	39	39	52
Days in Payables	30	23	30
LEAC (Over)/Under Recovery Balance -YTD	$9,721,856	$9,943,732	$10,344,443
T&D Losses	5.35%	5.32%	<7.00%
Debt Service Coverage	1.63	1.64	1.75
Long-term equity ratio	0.36%	0.52%	30 – 40%
Days in Cash	215	216	60

The Quick Ratio has been a challenge for GPA historically. However, the influx of cash from insurance proceeds continued to improve this ratio. GPA has current obligations of approximately $75 million and approximately $196 million in cash and current receivables. After a year of fluctuating fuel prices, the net LEAC under-recovery for the year was $1.6 million. Debt Service Coverage ratio is calculated using the methodology in use before the Fiscal Year 2002 change in accounting practice.

Financial Statements
September 2019

Significant Assumptions

The significant assumptions in the financial statements are as follows:

- Accrual cutoff procedures were performed at month end
- An inventory valuation is performed at year-end only
- Accounts Receivable includes accruals based on prior months' usage.

Prepared by:	Reviewed by:	Approved by:
_____	_____	_____
Lenora M. Sanz	John J.E. Kim	John M. Benavente, P.E.
Controller	Chief Financial Officer	General Manager

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Net Position
September 30, 2019 and September 30, 2018

	Unaudited September 2019	Audited September 2018	Change from Sept 30 2018
ASSETS AND DEFERRED OUTFLOWS OF RESOURCES			
Current assets:			
Cash and cash equivalents:			
Held by trustee for restricted purposes:			
Interest and principal funds	$ 33,053,886	$ 17,997,927	$ 15,055,959
Bond indenture funds	29,168,116	49,970,719	(20,802,603)
Held by Guam Power Authority:			
Bond indenture funds	154,027,791	142,583,470	11,444,321
Self insurance fund-restricted	19,378,387	19,258,353	120,034
Energy sense fund	333,528	1,085,472	(751,944)
Total cash and cash equivalents	235,961,708	230,895,941	5,065,767
Accounts receivable, net	41,867,589	37,851,906	4,015,683
Total current receivables	41,867,589	37,851,906	4,015,683
Materials and supplies inventory	12,521,306	12,812,072	(290,766)
Fuel inventory	41,214,022	67,993,103	(26,779,081)
Prepaid expenses	2,066,278	979,828	1,086,450
Total current assets	333,630,903	350,532,850	(16,901,947)
Utility plant, at cost:			
Electric plant in service	1,084,434,067	1,063,192,955	21,241,112
Construction work in progress	37,592,719	28,021,290	9,571,429
Total	1,122,026,786	1,091,214,245	30,812,541
Less: Accumulated depreciation	(633,190,295)	(597,426,905)	(35,763,390)
Total utility plant	488,836,491	493,787,340	(4,950,849)
Other non-current assets:			
Investment - bond reserve funds held by trustee	48,599,853	48,600,660	(807)
Unamortized debt issuance costs	2,221,160	2,503,448	(282,288)
Total other non-current assets	50,821,013	51,104,108	(283,095)
Total assets	873,288,407	895,424,298	(22,135,891)
Deferred outflow of resources:			
Deferred fuel revenue	9,943,732	8,370,542	1,573,190
Unamortized loss on debt refunding	24,733,104	27,093,636	(2,360,532)
Pension	8,932,987	8,932,987	0
Other post employment benefits	13,798,017	13,798,017	0
Unamortized forward delivery contract costs	318,638	477,998	(159,360)
Total deferred outflows of resources	57,726,478	58,673,180	(946,702)
	$ 931,014,885	$ 954,097,478	$ (23,082,593)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statement of Net Position, Continued
September 30, 2019 and September 30, 2018

	Unaudited September 2019	Audited September 2018	Change from Sept 30 2018
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION			
Current liabilities:			
Current maturities of long-term debt	$ 16,130,000	$ 1,630,000	$ 14,500,000
Current obligations under capital leases	3,304,531	13,613,066	(10,308,535)
Accounts payable			
Operations	27,385,427	47,761,928	(20,376,501)
Others	23,036	662,541	(639,505)
Accrued payroll and employees' benefits	2,348,815	1,949,080	399,735
Current portion of employees' annual leave	2,153,583	2,101,168	52,415
Interest payable	14,733,265	14,745,285	(12,020)
Customer deposits	8,912,096	9,387,519	(475,423)
Total current liabilities	74,990,753	91,850,587	(16,859,834)
Regulatory liabilities:			
Provision for self insurance	19,345,291	19,345,291	0
Total regulatory liabilities	19,345,291	19,345,291	0
Long term debt, net of current maturities	584,892,990	604,881,434	(19,988,444)
Obligations under capital leases, net of current portion	7,664,664	10,808,951	(3,144,287)
Net Pension liability	72,866,989	76,554,735	(3,687,746)
Other post employment benefits liability	145,955,861	145,955,861	0
DCRS sick leave liability	1,331,151	1,331,151	0
Employees' annual leave net of current portion	1,204,085	1,204,085	0
Customer advances for construction	394,540	385,293	9,247
Total liabilities	908,646,324	952,317,388	(43,671,064)
Deferred inflows of resources:			
Unearned forward delivery contract revenue	1,168,036	1,752,053	(584,017)
Pension	3,532,642	3,532,642	0
Other post employment benefits	14,804,043	14,804,043	0
Total deferred inflows of resources	19,504,721	20,088,738	(584,017)
Commitments and contigencies			
Net Position:			
Net investment in capital assets	(45,782,266)	(38,960,024)	(6,822,241)
Restricted	51,357,358	47,856,103	3,501,255
Unrestricted	(2,711,253)	(27,204,727)	24,493,474
Total net position	2,863,839	(18,308,648)	21,172,489
	$ 931,014,885	$ 954,097,478	$ (23,082,593)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM
Statement of Revenues, Expenses and Changes in Net Assets

	September 30			Twelve Months Ending September 30		
	Unaudited 2019	Audited 2018	% of change Inc (dec)	Unaudited 2019	Audited 2018	% of change Inc (dec)
Revenues						
Sales of electricity	$ 32,007,594	$ 31,097,639	3	$ 399,732,814	$ 378,328,873	6
Miscellaneous	312,821	194,101	61	3,219,002	2,217,201	45
Total	32,320,415	31,291,740	3	402,951,816	380,546,074	6
Bad debt expense	(91,500)	285,382	(132)	(1,098,000)	(677,870)	62
Total revenues	32,228,915	31,577,122	2	401,853,816	379,868,204	6
Operating and maintenance expenses						
Production fuel	18,934,501	18,632,810	2	238,868,150	217,567,040	10
Other production	2,061,399	2,011,427	2	16,811,224	17,414,541	(3)
	20,995,900	20,644,237	2	255,679,374	234,981,581	9
Depreciation	3,140,500	1,863,562	69	37,343,782	37,184,129	0
Energy conversion cost	1,003,343	1,414,314	(29)	13,966,499	17,552,373	(20)
Transmission & distribution	671,955	498,676	35	12,737,530	12,338,144	3
Customer accounting	605,955	738,210	(18)	5,674,859	5,676,402	(0)
Administrative & general	3,366,365	5,557,813	(39)	31,633,974	33,971,436	(7)
Total operating and maintenance expense	29,784,018	30,716,812	(3)	357,036,018	341,704,065	4
Operating income	2,444,897	860,310	184	44,817,798	38,164,139	17
Other income (expenses)						
Interest income	893,830	524,246	70	4,997,411	3,260,341	53
Interest expense and amortization	(2,524,146)	(2,308,449)	9	(29,171,021)	(31,429,008)	(7)
Bond issuance costs	89,022	38,498	131	1,056,264	(1,738,239)	(161)
Allowance for funds used during construc	0	123,062	(100)	0	1,686,379	(100)
Losses due to typhoon	(1,169,934)	(151,777)	0	(1,861,935)	(939,676)	0
Other expense	(4,293)	(4,291)	0	(51,499)	(51,492)	0
		0				
Total other income (expenses)	(2,715,521)	(1,778,711)	53	(25,030,780)	(29,211,695)	(14)
Income (loss) before capital contributions	(270,624)	(918,401)	(71)	19,787,018	8,952,444	121
Capital contributions	1,169,934	(116,175)	0	1,385,471	0	0
Increase (decrease) in net assets	899,310	(1,034,576)	(187)	21,172,489	8,952,444	136
Total net assets at beginning of period (resta	1,964,529	120,163,577	0	(18,308,650)	110,176,557	(117)
Total net assets at end of period	$ 2,863,839	$ 119,129,001	(98)	$ 2,863,839	$ 119,129,001	(98)

GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows
Period Ended September 30, 2019

	Month Ended 9/30/2019	YTD Ended 9/30/2019
Increase(decrease) in cash and cash equivalents		
Cash flows from operating activities:		
Cash received from customers	$ 30,839,974	$ 397,293,543
Cash payments to suppliers and employees for goods and services	24,734,214	317,342,280
Net cash provided by operating activities	$ 6,105,760	$ 79,951,263
Cash flows from investing activities:		
Interest and dividends on investments and bank accounts	893,830	4,997,411
Net cash provided by investing activities	893,830	4,997,411
Cash flows from non-capital financing activities		
Interest paid on short term debt	19,940	(57,105)
Provision for self insurance funds	(48,113)	(120,034)
Net cash provided by noncapital financing activities	(28,173)	(177,139)
Cash flows from capital and related financing activities		
Acquisition of utility plant	(3,589,239)	(32,392,930)
Principal paid on bonds and other long-term debt	-	(1,630,000)
Interest paid on bonds(net of capitalized interest)	-	(28,066,875)
Interest paid on capital lease obligations	(102,742)	(1,059,065)
Interest & principal funds held by trustee	(4,196,073)	(15,055,959)
Reserve funds held by trustee	(28,319)	807
Bond funds held by trustee	1,369,504	20,802,603
Principal payment on capital lease obligations	(628,857)	(13,452,822)
Grant from DOI/FEMA	1,169,934	1,385,471
Debt issuance costs/loss on defeasance	(322,537)	(3,858,444)
Net cash provided by (used in) capital and related financing activities	(6,328,329)	(73,327,214)
Net (decrease) increase in cash and cash equivalents	643,088	11,444,321
Cash and cash equivalents, beginning	153,384,703	142,583,470
Cash and cash equivalents-Funds held by GPA, September 30, 2019	**$ 154,027,791**	**$ 154,027,791**

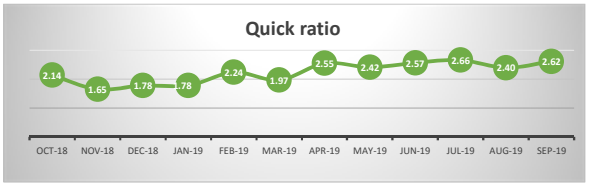
GUAM POWER AUTHORITY
(A COMPONENT UNIT OF THE GOVERNMENT OF GUAM)
Statements of Cash Flows, continued
Period Ended September 30, 2019

	Month Ended 9/30/2019	YTD Ended 9/30/2019
Reconciliation of operating earnings to net cash provided by operating activities:		
Operating earnings net of depreciation expense and excluding interest income	$ 2,444,897	$ 44,817,798
Adjustments to reconcile operating earnings to net cash provided by operating activities:		
Depreciation and amortization	3,140,500	37,343,782
Other expense	(1,085,205)	(857,170)
(Increase) decrease in assets:		
Accounts receivable	(818,908)	(4,015,683)
Materials and inventory	157,364	290,766
Fuel inventory	11,460,655	26,779,081
Prepaid expenses	504,139	(1,086,450)
Unamortized debt issuance cost	23,524	282,288
Deferred fuel revenue	(221,876)	(1,573,190)
Unamortized loss on debt refunding	196,711	2,360,532
Unamortized forward delivery contract costs	13,280	159,360
Increase (decrease) in liabilities:		
Accounts payable-operations	(5,388,224)	(20,376,501)
Accounts payable-others	(3,955,960)	112,439
Accrued payroll and employees' benefits	173,672	399,735
Net pension liability	(273,722)	(3,687,746)
Employees' annual leave	11,772	52,415
Customers deposits	(228,191)	(475,423)
Customer advances for construction	-	9,247
Unearned forward delivery contract revenue	(48,668)	(584,017)
Net cash provided by operating activities	**$ 6,105,760**	**$ 79,951,263**

Guam Power Authority
Financial Analysis
9/30/2019

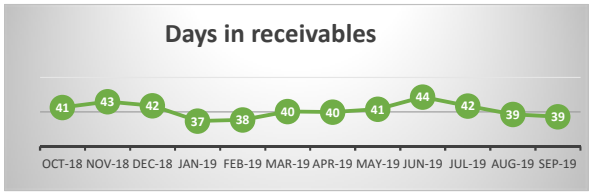
Quick Ratio

Reserve Funds Held by GPA	154,027,791
Current Accounts Receivable	42,340,072
Total Cash and A/R (A+B)	196,367,863
Total Current Liabilities	74,990,753
Quick Ratio (F/G)	**2.62**



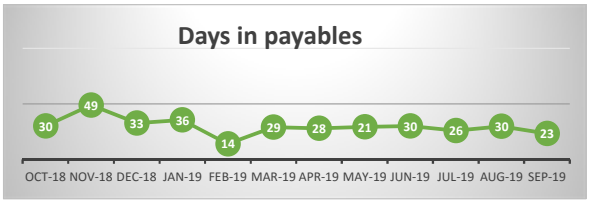
Days in Receivables

FY 18 Moving 12 Mos.-Actual	399,732,812
No. of Days	365
Average Revenues per day (A/B)	1,095,158
Current Accounts Receivable	42,340,072
Days in Receivables (D/C)	**39**



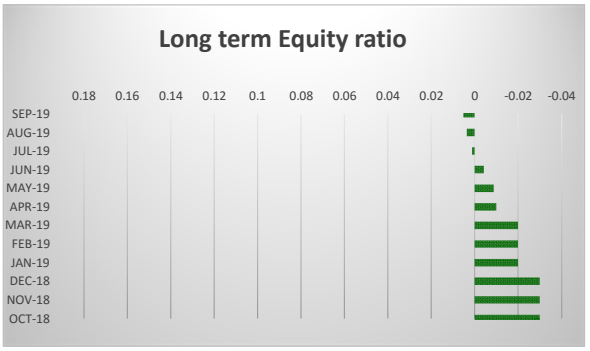
Days in Payables

FY 18 Moving 12 Months-Actual	429,169,747
No. of Days	365
Average Payables per day (A/B)	1,175,808
Current Accounts Payables	27,408,463
Days in Payables (D/C)	**23**



Long term equity ratio

Equity	$	2,863,839.00
Total Long term Liability	$	545,071,711.00
Total Equity and liability	$	547,935,550.00
Long term equity ratio (A/C)		**0.52%**

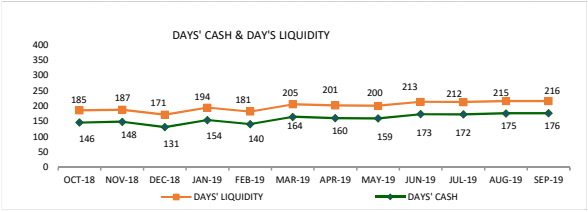


Days cash on hand

Unresctricted cash & cash equivalents	154,028
No. of Days -YTD	365
A x B	56,220,144
Total Operating expenses excluding depreciation	319,692
Days cash on hand	**176**

Days' Liquidity

Unresctricted cash , cash equivalents & revolving Credit	189,028
No. of Days -YTD	365
A x B	68,995,144
Total Operating expenses excluding depreciation	319,692
Days liquidity	**216**



GPA 302

GUAM POWER AUTHORITY
ACCRUED REVENUE
SEPTEMBER 2019

	FOR THE MONTH ENDED SEPTEMBER		TWELVE MONTHS ENDED SEPTEMBER	
	2019	2018	2019	2018
KWH SALES:				
Residential	39,850,588	37,207,511	496,772,627	495,346,749
Small Gen. Non Demand	5,281,337	6,128,698	76,100,951	81,419,604
Small Gen. Demand	16,034,273	14,018,162	187,640,074	184,605,153
Large General	24,400,150	23,573,240	301,278,928	307,368,249
Independent Power Producer	47,591	29,708	398,257	479,714
Private St. Lights	32,707	34,933	396,459	403,056
Sub-total	85,646,645	80,992,253	1,062,587,295	1,069,622,525
Government Service:				
Small Non Demand	733,348	1,089,787	12,770,354	14,326,985
Small Demand	8,706,945	7,082,161	97,901,061	92,945,937
Large	6,031,079	5,873,776	71,987,379	74,650,307
Street Lighting	711,804	734,966	9,241,597	9,046,218
Sub-total	16,183,177	14,780,690	191,900,391	190,969,447
Total	101,829,822	95,772,942	1,254,487,686	1,260,591,972
U. S. Navy	25,184,246	23,161,867	313,798,066	306,460,172
GRAND TOTAL	127,014,068	118,934,809	1,568,285,752	1,567,052,144
REVENUE:				
Residential	10,007,200	9,335,975	124,466,118	117,823,431
Small Gen. Non Demand	1,579,415	1,793,407	22,305,464	22,678,840
Small Gen. Demand	4,422,371	3,892,588	51,467,910	48,253,949
Large General	6,283,768	6,170,948	77,543,313	74,919,062
Independent Power Producer	13,738	8,392	110,188	117,110
Private St. Lights	25,616	26,392	309,708	309,040
Sub-total	22,332,107	21,227,703	276,202,701	264,101,431
Government Service:				
Small Non Demand	232,567	335,723	3,918,769	4,157,890
Small Demand	2,491,735	2,104,471	28,131,688	25,540,259
Large	1,671,314	1,680,530	19,963,299	19,852,611
Street Lighting	471,713	477,638	5,809,543	5,557,483
Sub-total	4,867,330	4,598,362	57,823,299	55,108,243
Total	27,199,437	25,826,065	334,026,000	319,209,674
U. S. Navy	4,808,157	5,271,574	65,706,812	59,119,199
GRAND TOTAL	32,007,594	31,097,639	399,732,812	378,328,873
NUMBER OF CUSTOMERS:				
Residential	44,479	43,887	44,226	44,006
Small Gen. Non Demand	4,087	4,159	4,173	4,158
Small Gen. Demand	1,080	982	1,002	984
Large General	120	118	119	119
Independent Power Producer	2	2	2	3
Private St. Lights	520	525	522	529
Sub-total	50,288	49,673	50,044	49,798
Government Service:				
Small Non Demand	644	677	671	685
Small Demand	382	353	360	351
Large	44	47	43	47
Street Lighting	618	627	624	489
Sub-total	1,688	1,704	1,698	1,573
Total	51,976	51,377	51,742	51,371
US Navy	1	1	1	1
	51,977	51,378	51,743	51,372

GPA403

GUAM POWER AUTHORITY
ACCRUED REVENUE

	TWELVE MONTHS ENDED	SEPTEMBER 2019	AUGUST 2019	JULY 2019	JUNE 2019	MAY 2019	APRIL 2019	MARCH 2019	FEBRUARY 2019	JANUARY 2019	DECEMBER 2018	NOVEMBER 2018	OCTOBER 2018
KWH SALES:													
Residential	496,772,627	39,850,588	41,847,978	45,512,584	46,454,816	45,901,332	42,026,049	40,399,698	33,484,048	36,661,215	41,291,151	41,148,899	42,194,270
Small General Non Demand	76,100,951	5,281,337	5,043,909	6,192,199	7,135,817	6,785,836	7,066,118	6,549,399	5,421,847	6,252,665	6,871,789	6,712,433	6,787,602
Small General Demand	187,640,074	16,034,273	16,546,802	17,132,421	16,196,923	16,473,837	15,551,604	15,250,813	13,414,678	14,926,054	15,425,672	15,054,686	15,632,311
Large General	301,278,928	24,400,150	25,901,704	25,960,590	25,905,882	25,831,230	24,717,184	24,793,966	22,118,423	24,846,497	25,790,483	26,074,017	24,938,803
Private Outdoor Lighting	396,459	32,707	34,326	31,882	34,779	33,473	30,560	32,171	32,766	32,878	33,401	33,984	33,531
Independent Power Producer	398,257	47,591	31,920	34,342	33,644	31,329	28,130	34,407	25,891	36,117	28,494	35,867	30,526
Sub-Total	1,062,587,295	85,646,645	89,406,638	94,864,018	95,761,862	95,057,036	89,419,645	87,060,454	74,497,653	82,755,426	89,440,990	89,059,886	89,617,042
Government Service:													
Small Non Demand	12,770,354	733,348	792,642	745,870	1,225,034	1,265,906	1,195,401	1,192,582	1,019,279	1,066,520	1,218,540	1,096,422	1,218,809
Small Demand	97,901,061	8,706,945	8,790,473	8,806,768	7,970,826	8,650,402	8,019,578	8,144,760	7,207,579	7,752,635	8,107,721	7,758,614	7,984,760
Large	71,987,379	6,031,079	6,328,596	6,026,050	5,952,146	6,344,614	5,914,002	5,983,823	5,273,740	5,782,397	6,098,140	5,989,384	6,263,407
Street Lighting (Agencies)	9,241,597	711,804	864,386	763,574	710,958	838,818	763,841	710,856	791,792	714,935	805,684	744,605	820,343
Sub-Total	191,900,391	16,183,177	16,776,096	16,342,261	15,858,964	17,099,740	15,892,823	16,032,021	14,292,390	15,316,487	16,230,084	15,589,026	16,287,320
Total	1,254,487,686	101,829,822	106,182,735	111,206,280	111,620,826	112,156,776	105,312,468	103,092,475	88,790,044	98,071,914	105,671,074	104,648,912	105,904,362
U.S. Navy	313,798,066	25,184,246	27,239,150	27,997,548	27,082,742	28,255,054	27,083,234	26,077,843	22,368,909	24,517,651	26,518,827	24,888,490	26,584,373
Grand Total	1,568,285,752	127,014,068	133,421,884	139,203,828	138,703,568	140,411,830	132,395,702	129,170,318	111,158,952	122,589,564	132,189,902	129,537,402	132,488,734
REVENUE:													
Residential	124,466,118	10,007,200	10,470,951	11,397,991	11,569,285	11,457,009	10,559,992	10,171,326	8,491,117	9,109,499	10,347,514	10,286,420	10,597,812
Small General Non Demand	22,305,464	1,579,415	1,492,266	1,835,976	2,060,263	1,943,284	2,086,044	1,927,366	1,599,494	1,844,100	2,002,603	1,938,660	1,995,993
Small General Demand	51,467,910	4,422,371	4,572,505	4,665,289	4,374,426	4,442,708	4,275,919	4,237,399	3,714,204	4,135,462	4,234,344	4,091,967	4,301,317
Large General	77,543,313	6,283,768	6,671,085	6,607,718	6,673,278	6,615,844	6,321,363	6,456,767	5,778,637	6,433,966	6,618,506	6,715,109	6,367,272
Private Outdoor Lighting	309,708	25,616	26,038	25,412	26,200	25,670	25,155	25,651	25,784	26,100	25,860	26,021	26,201
Independent Power Producer	110,188	13,738	9,248	8,337	8,701	8,600	7,310	9,896	7,681	10,117	7,355	10,699	8,507
Sub-Total	276,202,701	22,332,107	23,242,093	24,540,723	24,712,154	24,493,115	23,275,783	22,828,405	19,616,918	21,559,243	23,236,182	23,068,875	23,297,103
Government Service:													
Small Non Demand	3,918,769	232,567	250,901	235,628	373,461	383,585	361,853	364,404	311,171	328,284	373,332	335,403	368,179
Small Demand	28,131,688	2,491,735	2,527,222	2,494,451	2,319,401	2,465,281	2,284,016	2,363,416	2,065,940	2,248,023	2,372,119	2,230,742	2,269,343
Large	19,963,299	1,671,314	1,754,837	1,655,430	1,659,702	1,743,611	1,632,794	1,668,683	1,492,275	1,614,932	1,688,786	1,646,650	1,734,285
Street Lighting (Agencies)	5,809,543	471,713	503,316	482,461	471,543	497,965	482,529	472,435	488,836	465,560	498,967	479,197	495,021
Sub-Total	57,823,299	4,867,330	5,036,276	4,867,971	4,824,107	5,090,441	4,761,191	4,868,938	4,358,222	4,656,799	4,933,204	4,691,993	4,866,827
Total	334,026,000	27,199,437	28,278,369	29,408,694	29,536,261	29,583,556	28,036,974	27,697,343	23,975,139	26,216,042	28,169,387	27,760,868	28,163,930
U.S. Navy	65,706,812	4,808,157	5,647,382	5,623,735	6,373,008	5,183,974	4,925,354	5,245,421	5,307,473	5,221,857	5,266,617	6,152,798	5,951,036
Grand Total	399,732,812	32,007,594	33,925,751	35,032,429	35,909,269	34,767,531	32,962,328	32,942,764	29,282,613	31,437,899	33,436,004	33,913,666	34,114,966
NUMBER OF CUSTOMERS:													
Residential	44,226	44,479	44,497	44,408	44,329	44,640	44,200	44,144	44,018	44,091	43,920	43,876	44,112
Small General Non Demand	4,173	4,087	4,122	4,197	4,211	4,213	4,185	4,183	4,173	4,180	4,166	4,176	4,183
Small General Demand	1,002	1,080	1,086	1,014	971	983	985	985	984	986	987	981	984
Large General	119	120	121	120	119	119	118	121	119	119	118	119	117
Private Outdoor Lighting	522	520	518	519	520	520	522	523	521	522	523	524	527
Independent Power Producer	2	2	2	2	2	2	2	2	2	2	2	3	3
Sub-Total	50,044	50,288	50,346	50,260	50,152	50,477	50,012	49,958	49,817	49,900	49,716	49,679	49,926
Government Service:													
Small Non Demand	671	644	648	671	676	676	672	675	678	679	683	667	686
Small Demand	360	382	382	381	356	355	356	357	357	356	360	327	352
Large	43	44	44	43	43	42	42	42	42	42	47	38	47
Street Lighting (Agencies)	624	618	618	619	618	618	621	629	628	628	628	628	629
Sub-Total	1,698	1,688	1,692	1,714	1,693	1,691	1,691	1,703	1,705	1,705	1,718	1,660	1,714
Total	51,742	51,976	52,038	51,974	51,845	52,168	51,703	51,661	51,522	51,605	51,434	51,339	51,640
U.S. Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Total	51,743	51,977	52,039	51,975	51,846	52,169	51,704	51,662	51,523	51,606	51,435	51,340	51,641

GPA303

GUAM POWER AUTHORITY
ACCRUED REVENUE
SEPTEMBER

RATE	NUMBER OF CUSTOMERS	KWH SALES	TOTAL REVENUE AMOUNT	TOTAL REVENUE C/KWH	BASE RATE REVENUE C/KWH	BASE RATE REVENUE AMOUNT	AVERAGE PER CUSTOMER KWH	AVERAGE PER CUSTOMER REVENUE	NON-FUEL C/KWH	NON-FUEL AMOUNT	0.154242 OIL C/KWH	0.154242 OIL AMOUNT
Month												
R Residential	44,479	39,850,588	$ 10,007,200	$ 25.11	$ 25.11	$ 10,007,200	896	$ 225	$ 9.69	$ 3,860,566	$ 15.42	$ 6,146,634
G Small Gen. Non Demand	4,087	5,281,337	$ 1,579,415	$ 29.91	$ 29.91	$ 1,579,415	1,292	$ 386	$ 14.48	$ 764,811	$ 15.42	$ 814,604
J Small Gen. Demand	1,080	16,034,273	$ 4,422,371	$ 27.58	$ 27.58	$ 4,422,371	14,847	$ 4,095	$ 12.16	$ 1,950,367	$ 15.42	$ 2,472,003
P Large General	120	24,400,150	$ 6,283,768	$ 25.75	$ 25.75	$ 6,283,768	203,335	$ 52,365	$ 10.41	$ 2,538,980	$ 15.35	$ 3,744,788
I Independent Power Producer	2	47,591	$ 13,738	$ 28.87	$ 28.87	$ 13,738	23,795	$ 6,869	$ 14.02	$ 6,675	$ 14.84	$ 7,063
H Private St. Lights	520	32,707	$ 25,616	$ 78.32	$ 78.32	$ 25,616	63	$ 49	$ 62.89	$ 20,571	$ 15.42	$ 5,045
Sub-Total	50,288	85,646,645	$ 22,332,107	$ 26.07	$ 26.07	$ 22,332,107	1,703	$ 444	$ 10.67	$ 9,141,970	$ 15.40	$ 13,190,137
Government Service:												
S Small Non Demand	644	733,348	$ 232,567	$ 31.71	$ 31.71	$ 232,567	1,139	$ 361	$ 16.29	$ 119,454	$ 15.42	$ 113,113
K Small Demand	382	8,706,945	$ 2,491,735	$ 28.62	$ 28.62	$ 2,491,735	22,793	$ 6,523	$ 13.19	$ 1,148,759	$ 15.42	$ 1,342,977
L Large	44	6,031,079	$ 1,671,314	$ 27.71	$ 27.71	$ 1,671,314	137,070	$ 37,984	$ 12.47	$ 752,344	$ 15.24	$ 918,970
F Street Lighting (Agencies)	618	711,804	$ 471,713	$ 66.27	$ 66.27	$ 471,713	1,152	$ 763	$ 50.85	$ 361,923	$ 15.42	$ 109,790
Sub-Total	1,688	16,183,177	$ 4,867,330	$ 30.08	$ 30.08	$ 4,867,330	9,587	$ 2,883	$ 14.72	$ 2,382,480	$ 15.35	$ 2,484,850
	51,976	101,829,822	$ 27,199,437	$ 56.15	$ 56.15	$ 27,199,437	1,959	$ 523	$ 11.32	$ 11,524,450	$ 15.39	$ 15,674,987
U.S. Navy	1	25,184,246	$ 4,808,157	$ 19.09	$ 19.09	$ 4,808,157			$ 6.15	$ 1,548,643	$ 12.94	$ 3,259,514
TOTAL	**51,977**	**127,014,068**	**$ 32,007,594**	**$ 25.20**	**$ 25.20**	**$ 32,007,594**	**2,444**	**$ 616**	**$ 10.29**	**$ 13,073,093**	**$ 14.91**	**$ 18,934,501**
Twelve Months Ending September 2019												
R Residential	44,226	496,772,627	$ 124,466,118	$ 25.05	$ 25.05	$ 124,466,118	11,233	$ 2,814	$ 9.63	$ 47,842,914	$ 15.42	$ 76,623,203
G Small Gen. Non Demand	4,173	76,100,951	$ 22,305,464	$ 29.31	$ 29.31	$ 22,305,464	18,237	$ 5,345	$ 13.89	$ 10,567,501	$ 15.42	$ 11,737,963
J Small Gen. Demand	1,002	187,640,074	$ 51,467,910	$ 27.43	$ 27.43	$ 51,467,910	187,234	$ 51,357	$ 12.01	$ 22,538,652	$ 15.42	$ 28,929,258
P Large General	119	301,278,928	$ 77,543,313	$ 25.74	$ 25.74	$ 77,543,313	2,528,215	$ 650,713	$ 10.39	$ 31,292,377	$ 15.35	$ 46,250,936
I Independent Power Producer	2	398,257	$ 110,188	$ 27.67	$ 27.67	$ 110,188	183,811	$ 50,856	$ 12.79	$ 50,936	$ 14.88	$ 59,253
H Private St. Lights	522	396,459	$ 309,708	$ 78.12	$ 78.12	$ 309,708	760	$ 594	$ 62.69	$ 248,557	$ 15.42	$ 61,151
Sub-Total	50,044	1,062,587,295	$ 276,202,701	$ 25.99	$ 25.99	$ 276,202,701	21,233	$ 5,519	$ 10.59	$ 112,540,937	$ 15.40	$ 163,661,764
Government Service:												
S Small Non Demand	671	12,770,354	$ 3,918,769	$ 30.69	$ 30.69	$ 3,918,769	19,025	$ 5,838	$ 15.26	$ 1,949,044	$ 15.42	$ 1,969,725
K Small Demand	360	97,901,061	$ 28,131,688	$ 28.73	$ 28.73	$ 28,131,688	271,884	$ 78,125	$ 13.31	$ 13,031,233	$ 15.42	$ 15,100,456
L Large	43	71,987,379	$ 19,963,299	$ 27.73	$ 27.73	$ 19,963,299	1,674,125	$ 464,263	$ 12.49	$ 8,994,374	$ 15.24	$ 10,968,925
F Street Lighting (Agencies)	624	9,241,597	$ 5,809,543	$ 62.86	$ 62.86	$ 5,809,543	14,822	$ 9,318	$ 47.44	$ 4,384,101	$ 15.42	$ 1,425,442
Sub-Total	1,698	191,900,391	$ 57,823,299	$ 30.13	$ 30.13	$ 57,823,299	113,027	$ 34,057	$ 14.78	$ 28,358,751	$ 15.35	$ 29,464,548
U.S. Navy	1	313,798,066	$ 65,706,812	$ 20.94	$ 20.94	$ 65,706,812			$ 6.36	$ 19,964,974	$ 14.58	$ 45,741,838
TOTAL	**51,743**	**1,568,285,752**	**$ 399,732,812**	**$ 25.49**	**$ 25.49**	**$ 399,732,812**	**30,309**	**$ 7,725**	**$ 10.26**	**$ 160,864,662**	**$ 15.23**	**$ 238,868,150**
Twelve Months Ending September 2019												
R Residential	44,226	496,772,627	$ 124,466,118	$ 25.05	$ 25.05	$ 124,466,118	11,233	$ 2,814	$ 9.63	$ 47,842,914	$ 15.42	$ 76,623,203
G Small Gen. Non Demand	4,173	76,100,951	$ 22,305,464	$ 29.31	$ 29.31	$ 22,305,464	18,237	$ 5,345	$ 13.89	$ 10,567,501	$ 15.42	$ 11,737,963
J Small Gen. Demand	1,002	187,640,074	$ 51,467,910	$ 27.43	$ 27.43	$ 51,467,910	187,234	$ 51,357	$ 12.01	$ 22,538,652	$ 15.42	$ 28,929,258
P Large General	119	301,278,928	$ 77,543,313	$ 25.74	$ 25.74	$ 77,543,313	2,528,215	$ 650,713	$ 10.39	$ 31,292,377	$ 15.35	$ 46,250,936
I Independent Power Producer	2	398,257	$ 110,188	$ 27.67	$ 27.67	$ 110,188	183,811	$ 50,856	$ 12.79	$ 50,936	$ 14.88	$ 59,253
H Private St. Lights	522	396,459	$ 309,708	$ 78.12	$ 78.12	$ 309,708	760	$ 594	$ 62.69	$ 248,557	$ 15.42	$ 61,151
Sub-Total	50,044	1,062,587,295	$ 276,202,701	$ 25.99	$ 25.99	$ 276,202,701	21,233	$ 5,519	$ 10.59	$ 112,540,937	$ 15.40	$ 163,661,764
Government Service:												
S Small Non Demand	671	12,770,354	$ 3,918,769	$ 30.69	$ 30.69	$ 3,918,769	19,025	$ 5,838	$ 15.26	$ 1,949,044	$ 15.42	$ 1,969,725
K Small Demand	360	97,901,061	$ 28,131,688	$ 28.73	$ 28.73	$ 28,131,688	271,884	$ 78,125	$ 13.31	$ 13,031,233	$ 15.42	$ 15,100,456
L Large	43	71,987,379	$ 19,963,299	$ 27.73	$ 27.73	$ 19,963,299	1,674,125	$ 464,263	$ 12.49	$ 8,994,374	$ 15.24	$ 10,968,925
F Street Lighting (Agencies)	624	9,241,597	$ 5,809,543	$ 62.86	$ 62.86	$ 5,809,543	14,822	$ 9,318	$ 47.44	$ 4,384,101	$ 15.42	$ 1,425,442
Sub-Total	1,698	191,900,391	$ 57,823,299	$ 30.13	$ 30.13	$ 57,823,299	113,027	$ 34,057	$ 14.78	$ 28,358,751	$ 15.35	$ 29,464,548
	51,742	1,254,487,686	$ 334,026,000	$ 26.63	$ 26.63	$ 334,026,000	24,245	$ 39,576	$ 11.23	$ 140,899,688	$ 15.39	$ 193,126,312
U.S. Navy	1	313,798,066	$ 65,706,812	$ 20.94	$ 20.94	$ 65,706,812			$ 6.36	$ 19,964,974	$ 14.58	$ 45,741,838
TOTAL	**51,743**	**1,568,285,752**	**$ 399,732,812**	**$ 25.49**	**$ 25.49**	**$ 399,732,812**	**30,309**	**$ 7,725**	**$ 10.26**	**$ 160,864,662**	**$ 15.23**	**$ 238,868,150**

GPA-318 | **ENERGY ACCOUNT** | FOR INTERNAL USE ONLY

318Sep19 | **FY 2019 Versus FY 2018**

	September 2019		September 2018		Y T D 2019		Y T D 2018		MOVING TWELVE MONTHS	
Gross Generation										
Number of days in Period	**30**		**30**		**365**		**61**		**365**	
Peak demand	**243**		**240**		**255**		**254**		**255**	
Date	**09/24/19**		**09/18/18**		**06/06/19**		**10/30/17**		**06/06/19**	
	KWH	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**	**KWH**	**% change**
Energy Account:										
Kilowatt hours GPA:										
Cabras 1 & 2	73,007,000		39,547,000		757,816,000		651,235,000		757,816,000	
Cabras No. 3	0		0		0		0		0	
Cabras No. 4	0		0		0		0		0	
MEC (ENRON) Piti 8 (IPP)	24,329,900		27,038,800		278,448,200		318,373,900		278,448,200	
MEC (ENRON) Piti 9 (IPP)	9,937,400		25,348,200		291,081,370		323,835,900		291,081,370	
TEMES Piti 7 (IPP)	2,301,638		8,794,652		49,357,195		40,313,497		49,357,195	
Tanguisson 2	0		0		0		0		0	
Tanguisson 1	0		0		0		0		0	
Diesels/CT's & Others:							0			
MDI 10MW	0		314,391		702,690		1,300,258		702,690	
NRG Solar Dandan	3,221,221		3,343,655		47,970,525		46,301,346		47,970,525	
Dededo CT #1	0		4,290,780		4,891,810		11,806,070		4,891,810	
Dededo CT #2	86,570		4,817,040		7,678,240		12,226,470		7,678,240	
Macheche CT	5,014,161		2,912,826		53,874,184		48,354,741		53,874,184	
Yigo CT (Leased)	3,920,599		6,487,000		49,270,425		48,913,165		49,270,425	
Tenjo	2,866,360		2,514,900		28,243,370		41,498,130		28,243,370	
Talofofo 10 MW	577,480		0		8,815,890		13,311,900		8,815,890	
Aggreko	14,175,180		4,880,536		149,419,646		160,728,090		149,419,646	
Wind Turbine*	20,055		337		144,798		312,304		144,798	
Orote	0		0		0		0		0	
Marbo	0		0		0		0		0	
	139,457,563		**130,290,117**		**1,727,714,342**		**1,718,510,771**		**1,727,714,342**	
Ratio to last year		107.04		89.98		100.54		**97.47**		**100.54**
Station use	5,736,984		4,705,562		66,890,463		62,715,940		66,890,463	
Ratio to Gross generation		4.11		3.61		3.87		3.65		**3.87**
Net send out	133,720,579		125,584,555		1,660,823,880		1,655,794,831		1,660,823,880	
Ratio to last year		106.48		89.96		100.30		**97.56**		**100.30**
KWH deliveries:										
Sales to Navy (@34.5kv)	**25,184,246**		**23,161,867**		**313,798,067**		**306,460,172**		**313,798,067**	
Ratio to last year		108.73		86.08		102.39		**96.19**		**102.39**
GPA-metered	**108,536,333**		**102,422,688**		**1,347,025,813**		**1,349,334,659**		**1,347,025,813**	
Ratio to last year		105.97		90.88		99.83		**97.88**		**99.83**
Power factor adj.	0		0		0		0		0	
Adjusted	108,536,333		102,422,688		1,347,025,813		1,349,334,659		1,347,025,813	
GPA KWH Accountability:										
Sales to civilian customers-accrual basis	**101,829,822**		**95,772,942**		**1,254,487,687**		**1,260,591,970**		**1,254,487,687**	
Ratio to last year		106.32		90.28		99.52		**97.61**		**99.52**
GPA use-KWH	343,250		289,813		4,139,793		3,887,569		4,139,793	
Unaccounted For	6,363,261		6,359,933		88,398,333		84,855,120		88,398,333	
Ratio to deliveries		5.86		6.21		6.56		6.29		6.56
Ratio to Gross Generation		4.56		4.88		5.12		4.94		5.12
Ratio to Net Send Out		4.76		5.06		5.32		5.12		5.32

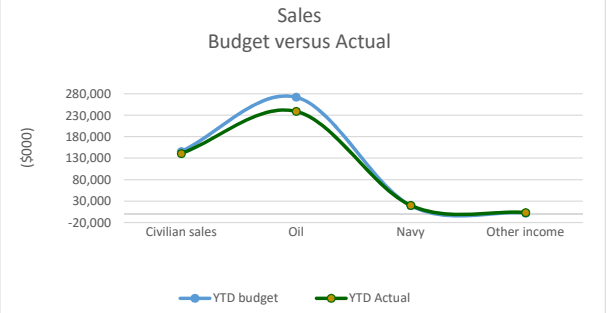
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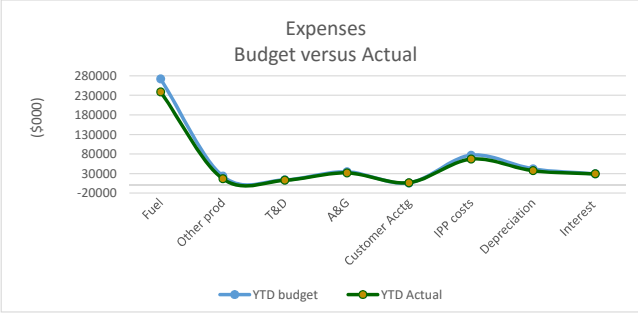
Guam Power Authority
Fuel Consumption
FY 2019

Description	September 2019 BARRELS	September 2019 AMOUNT	YEAR-TO-DATE BARRELS	YEAR-TO-DATE AMOUNT	MOVING 12 MONTHS BARREL S	MOVING 12 MONTHS AMOUNT
FUEL FURNISHED:						
NAVY:						
Diesel	0	0	0	0	0	0
Low Sulfur	0	0	0	0	0	0
	0	**0**	**0**	**0**	**0**	**0**
GPA:						
RFO	77,620	$5,295,499	1,367,123	$ 100,293,854	1,367,123	$ 100,293,854
Diesel	58,589	$5,184,019	735,941	$ 69,128,493	735,941	$ 69,128,493
Low Sulfur	93,581	$7,169,192	670,382	$ 53,124,922	670,382	$ 53,124,922
Deferred Fuel Costs	0	-$221,876	0	$ (1,573,190)	0	$ (1,573,190)
Fuel Adjustments	0	$182,296		$ 237,063	0	$ 237,063
Fuel Handling Costs	0	$1,325,372	0	$ 17,657,008	0	$ 17,657,008
	229,791	**$18,934,501**	**2,773,446**	**$ 238,868,150**	**2,773,446**	**$ 238,868,150**
IWPS:						
GPA RFO	77,620	$5,295,499	1,367,123	$ 100,293,854	1,367,123	$ 100,293,854
Diesel	58,589	$5,184,019	735,941	$ 69,128,493	735,941	$ 69,128,493
Low Sulfur	93,581	$7,169,192	670,382	$ 53,124,922	670,382	$ 53,124,922
Deferred Fuel Costs	0	-$221,876	0	$ (1,573,190)	0	$ (1,573,190)
Fuel Variance	0	$182,296	0	$ 237,063		$ 237,063
Fuel Handling Costs	0	$1,325,372	0	$ 17,657,008	0	$ 17,657,008
	229,791	**$18,934,501**	**2,773,446**	**$ 238,868,150**	**2,773,446**	**$ 238,868,150**
AVERAGE COST/Bbl.						
GPA RFO		**$68.22**		**$73.36**		**$73.36**
Diesel		**$88.48**		**$93.93**		**$93.93**
Low Sulfur		**$76.61**		**$79.25**		**$79.25**
AS BURNED						
Cabras 1 & 2						
RFO	54,276	$ 3,687,879	930,441	$ 68,725,037	930,441	$ 68,725,037
Low Sulfur	71,747	$ 5,476,609	348,001	$ 26,992,160	348,001	$ 26,992,160
Diesel	84	$ 7,015	1,789	$ 167,675	1,789	$ 167,675
	126,107	$ 9,171,503	1,280,231	$ 95,884,872	1,280,231	$ 95,884,872
Cabras 3 & 4						
RFO	0	$ -	0	$ -	0	$ -
Low Sulfur	0	$ -	0	$ -	0	$ -
Diesel	0	$ -	0	$ -	0	$ -
	0	$ -	0	$ -	0	$ -
MEC (Piti Units 8&9)						
RFO	23,344	$ 1,607,620	436,682	$ 31,568,817	436,682	$ 31,568,817
Low Sulfur	21,834	$ 1,692,582	322,380	$ 26,132,762	322,380	$ 26,132,762
Diesel	4	$ 263	42	$ 2,994	42	$ 2,994
	45,182	$ 3,300,465	759,104	$ 57,704,573	759,104	$ 57,704,573
Diesel & CT's - GPA:						
MDI Dsl	0	$ -	1,072	$ 89,260	1,072	$ 89,260
Macheche CT	10,953	$ 950,870	117,171	$ 10,908,620	117,171	$ 10,908,620
Yigo CT	8,895	$ 765,695	107,420	$ 9,983,450	107,420	$ 9,983,450
Talofofo 10 MW	974	$ 84,514	15,564	$ 1,419,959	15,564	$ 1,419,959
Aggreko	26,136	$ 2,240,813	276,159	$ 25,322,663	276,159	$ 25,322,663
Tenjo	4,911	$ 533,406	49,682	$ 5,280,958	49,682	$ 5,280,958
TEMES (IPP)	6,334	$ 572,126	128,038	$ 12,239,610	128,038	$ 12,239,610
GWA Generators	41	$ 5,249	995	$ 128,325	995	$ 128,325
	58,502	$ 5,176,741	734,110	$ 68,957,824	734,110	$ 68,957,824
Deferred Fuel Costs	0	$ (221,876)		$ (1,573,190)		$ (1,573,190)
Adjustment		$ 182,296		$ 237,063		$ 237,063
Fuel Handling Costs	0	$ 1,325,372		$ 17,657,008		$ 17,657,008
TOTAL	**229,791**	**$ 18,934,501**	**2,773,446**	**$ 238,868,150**	**2,773,446**	**$ 238,868,150**

Statement of operations
Comparison-Budget versus Actual
For the month and year to date ended September 30, 2019

	Budget	Actual September-19	Variance	YTD Budget	YTD Actual	Variance
KwH Sales-Civilian	107,020	101,830	5,190	1,302,611	1,254,488	48,123
Non-fuel yield	$ 0.105505	$ 0.113169	$ (0.007664)	$ 0.105467	$ 0.112317	$ (0.006850)
KwH Sales-Navy	26,130	25,184	946	309,392	313,798	(4,406)
Non-fuel yield	$ 0.062350	$ 0.061507	$ 0.000843	$ 0.062350	$ 0.063627	$ (0.001277)
Operating revenue						
Civilian sales	$ 11,961	$ 11,524	$ 437	$ 145,711	$ 140,900	$ 4,811
Oil	23,422	18,935	4,487	272,011	238,870	33,141
Navy	1,629	1,549	80	19,291	19,966	(675)
Other income	168	313	(144)	2,020	3,219	(1,199)
	$ 37,181	$ 32,321	$ 4,860	$ 439,033	$ 402,955	$ 36,078
Bad debts expense	92	92	-	1,098	1,098	-
Total operating revenues	$ 37,090	$ 32,229	$ 4,860	$ 437,935	$ 401,857	$ 36,078
Operating expenses:						
Production fuel	$ 23,422	$ 18,935	$ 4,488	$ 272,011	$ 238,868	$ 33,143
O & M expenses:						
Other production	1,836	2,061	(225)	23,652	16,811	6,841
Transmission distribution	529	672	(143)	13,856	12,738	1,118
Administrative expense	3,286	3,366	(81)	34,428	31,634	2,794
Customer accounting	429	606	(177)	4,930	5,675	(745)
	6,079	6,706	(626)	76,866	66,858	10,008
IPP costs	1,347	1,003	344	16,168	13,966	2,201
Depreciation	3,501	3,141	361	42,016	37,344	4,672
	$ 34,350	$ 29,784	$ 4,566	$ 407,061	$ 357,036	$ 50,025
Operating income	$ 2,739	$ 2,445	$ 294	$ 30,874	$ 44,821	$ (13,947)
Other revenue (expenses):						
Investment income	177	894	(717)	2,124	4,997	(2,873)
Interest expense	(2,414)	(2,524)	110	(29,124)	(29,171)	47
AFUDC	202	-	202	2,420	-	2,420
Losses due to typhoon	-	(1,171)	1,171	-	(1,863)	1,863
Bond issuance costs/Other expenses	142	85	58	1,708	1,005	703
Net income before capital contribution	847	(271)	1,117	8,002	19,789	(11,788)
Grants from the U.S. Government	-	1,170	(1,170)	-	1,385	(1,385)
Increase (decrease) in net assets	$ 847	$ 899	$ (53)	$ 8,002	$ 21,174	$ (13,173)





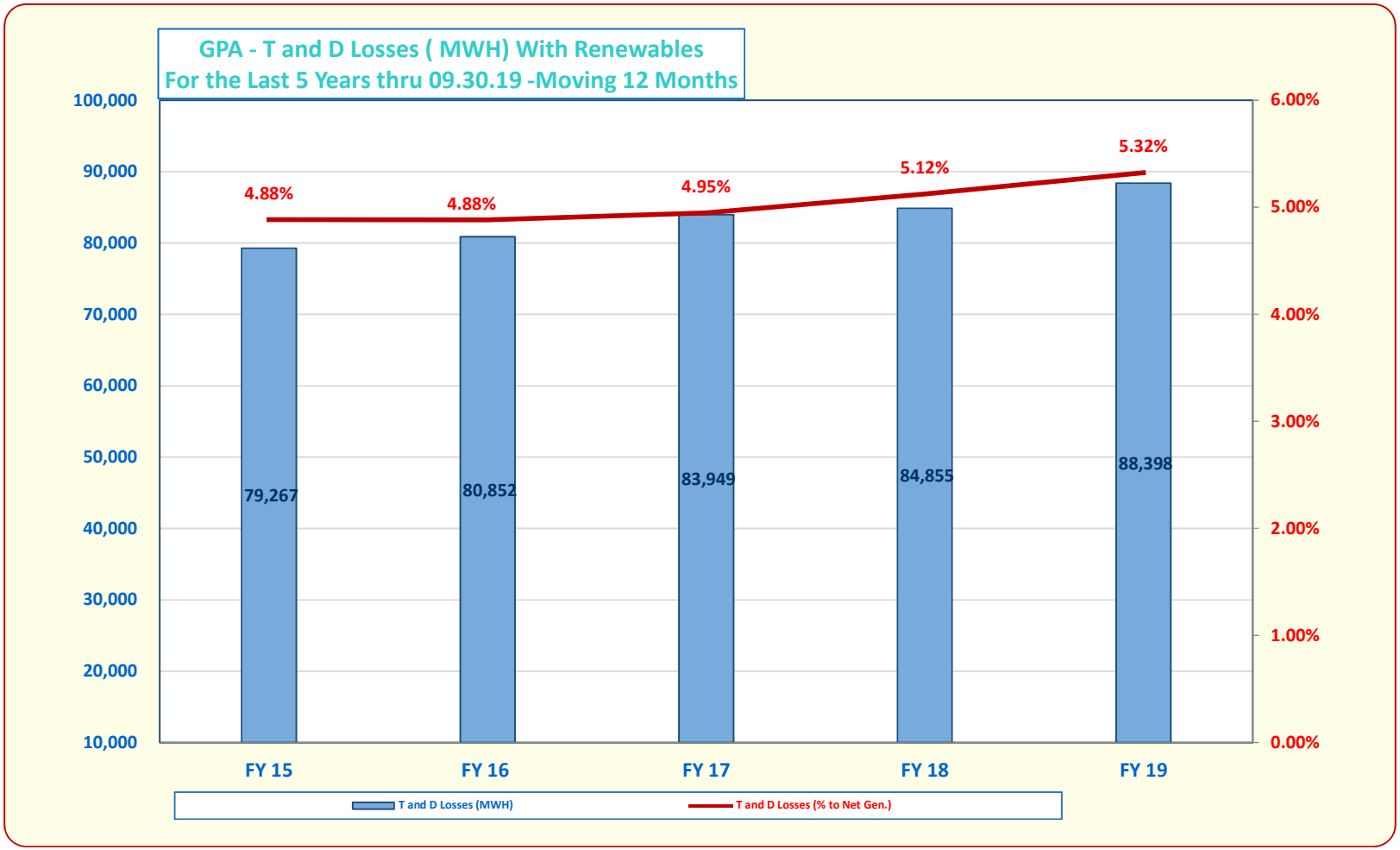
Guam Power Authority Debt service coverage September 30, 2019	2015	2016	Restated 2017	Audited 2018	YTD Unaudited 2019
Funds Available for Debt Service					
Earnings from Operations	$ 48,758	$ 37,981	$ 36,522	$ 38,164	$ 44,818
Interest Income	256	57	122	620	5,008
Depreciation Expense	41,766	44,240	44,292	37,184	37,344
Balance Available for Debt Service	$ 90,780	$ 82,278	$ 80,936	$ 75,968	$ 87,170
IPP - Capital Costs					
Principal	$ 18,144	$ 14,819	$ 20,796	$ 23,210	$ 13,470
Interest	8,478	5,970	5,609	3,159	1,068
Total IPP Payments	$ 26,622	$ 20,789	$ 26,400	$ 26,369	$ 14,538
Bond Debt Service					
Principal (1993 & 1999 Revenue Bond)	$ -	$ -	$ -	$ -	$ -
Interest (1993 & 1999 Revenue Bond)	-	-	-	-	-
Principal and Interest (2010 Subordinate Bond)	9,605	-	-	-	-
Principal and Interest (2010 Senior TE Bond)	7,999	7,999	7,999	2,000	-
Principal and Interest (2012 Senior TE Bond)	17,096	17,098	17,449	17,086	31,467
Principal and Interest (2014 Senior TE Bond)	-	10	5,084	5,083	5,084
Principal and Interest (2017 Senior TE Bond)				5,916	7,607
Total	$ 34,700	$ 25,107	$ 30,532	$ 30,086	$ 44,158
Debt Service Coverage (DSC) Calculation					
Existing DSC Methodology (Senior)	2.56 x	2.45 x	1.79 x	1.65 x	1.64
Existing DSC Methodology (Senior+Subordinate)	1.85 x	2.45 x	1.79 x	1.65 x	1.64
Bond Covenant DSC	3.62 x	3.28 x	2.65 x	2.53 x	1.97
Debt Service Coverage Requirements					
Existing Ratemaking DSC Target	1.75 x	1.75 x	1.75 x	1.75 x	1.75
Minimum Bond Covenant Requirement (Senior Bond)	1.30 x	1.30 x	1.30 x	1.30 x	1.30
Minimum Bond Covenant Requirement (Subordinate Bond	1.20 x	1.20 x	1.20 x	1.20 x	1.20

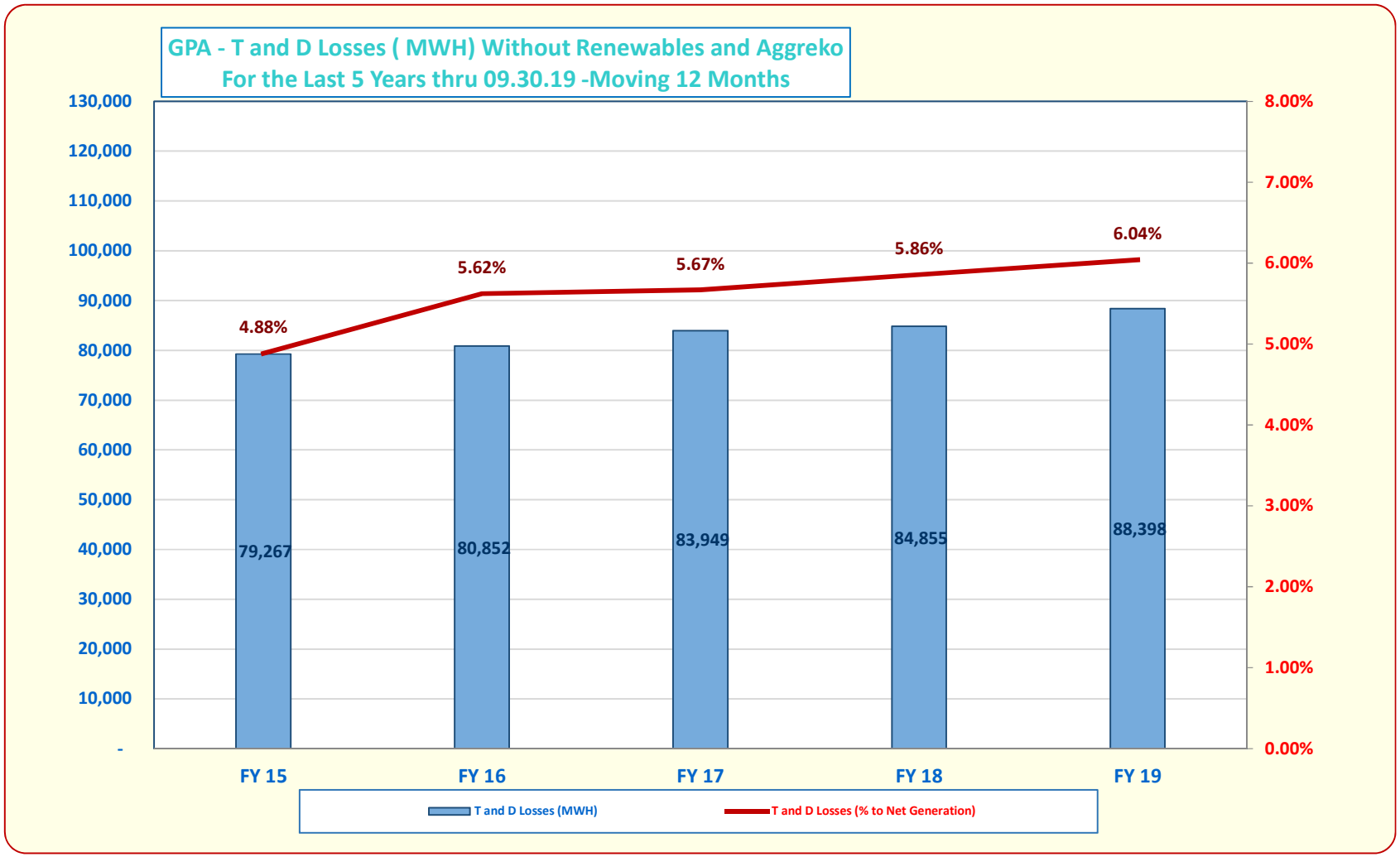
Notes:
(1) Source: Guam Power Authority, 2014 - 2018 Audited Financial Statements
(2) Interest income is net of interest earnings in the Construction Fund and the amortization of deferred credit
(3) Existing DSC Methodology (Rating Agency Method):
(Operating Earnings + Depreciation Expense - IPP Principal & Interest Payments)/
(Senior and Subordinate Bond Principal & Interest Payments)
(4) Bond Covenant DSC Methodology: (Operating Earnings + Depreciation Expense)/
(Senior and Subordinate Bond Principal & Interest Payments)

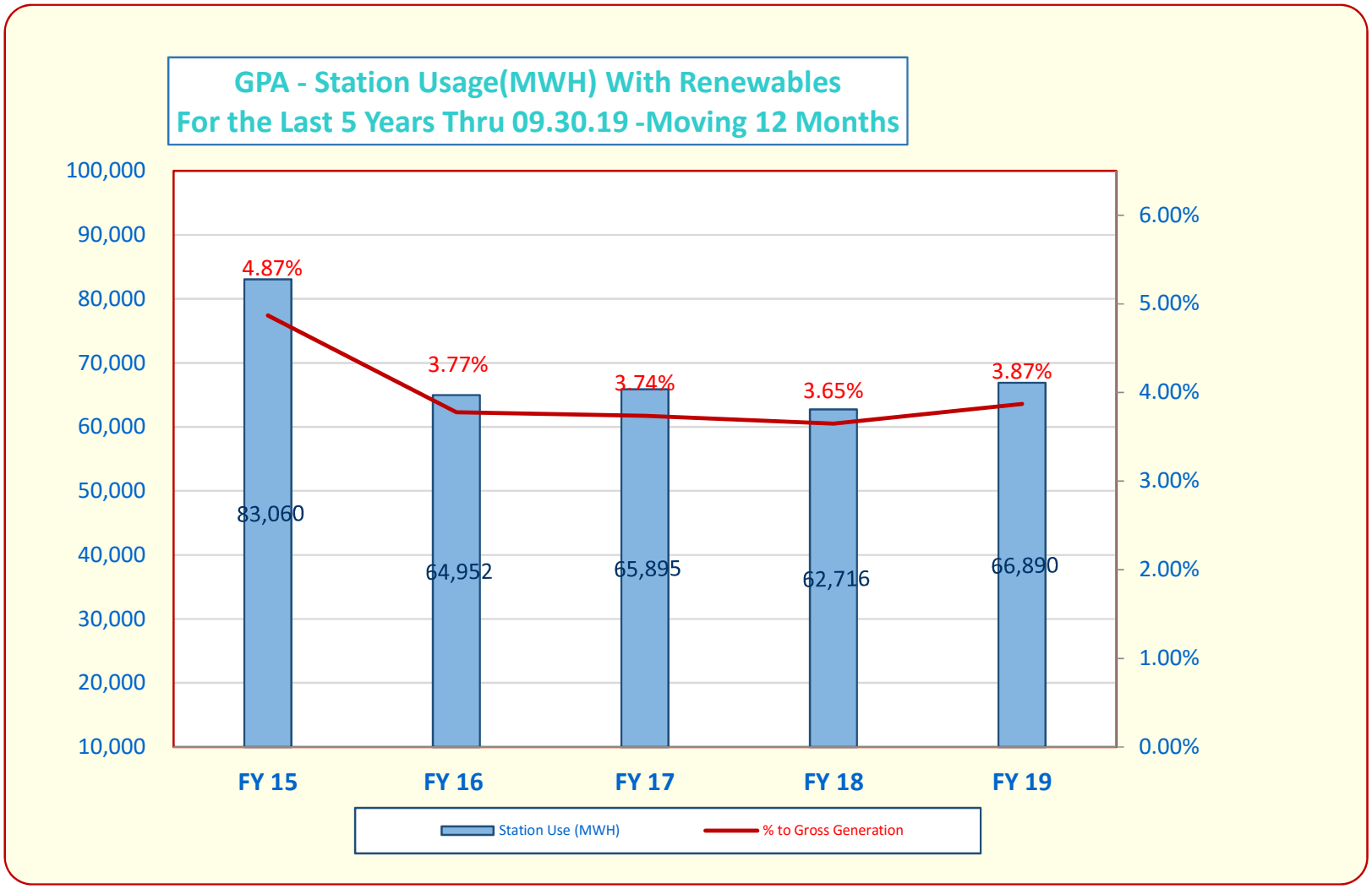
REVENUES-ACTUAL VS PROJECTIONS

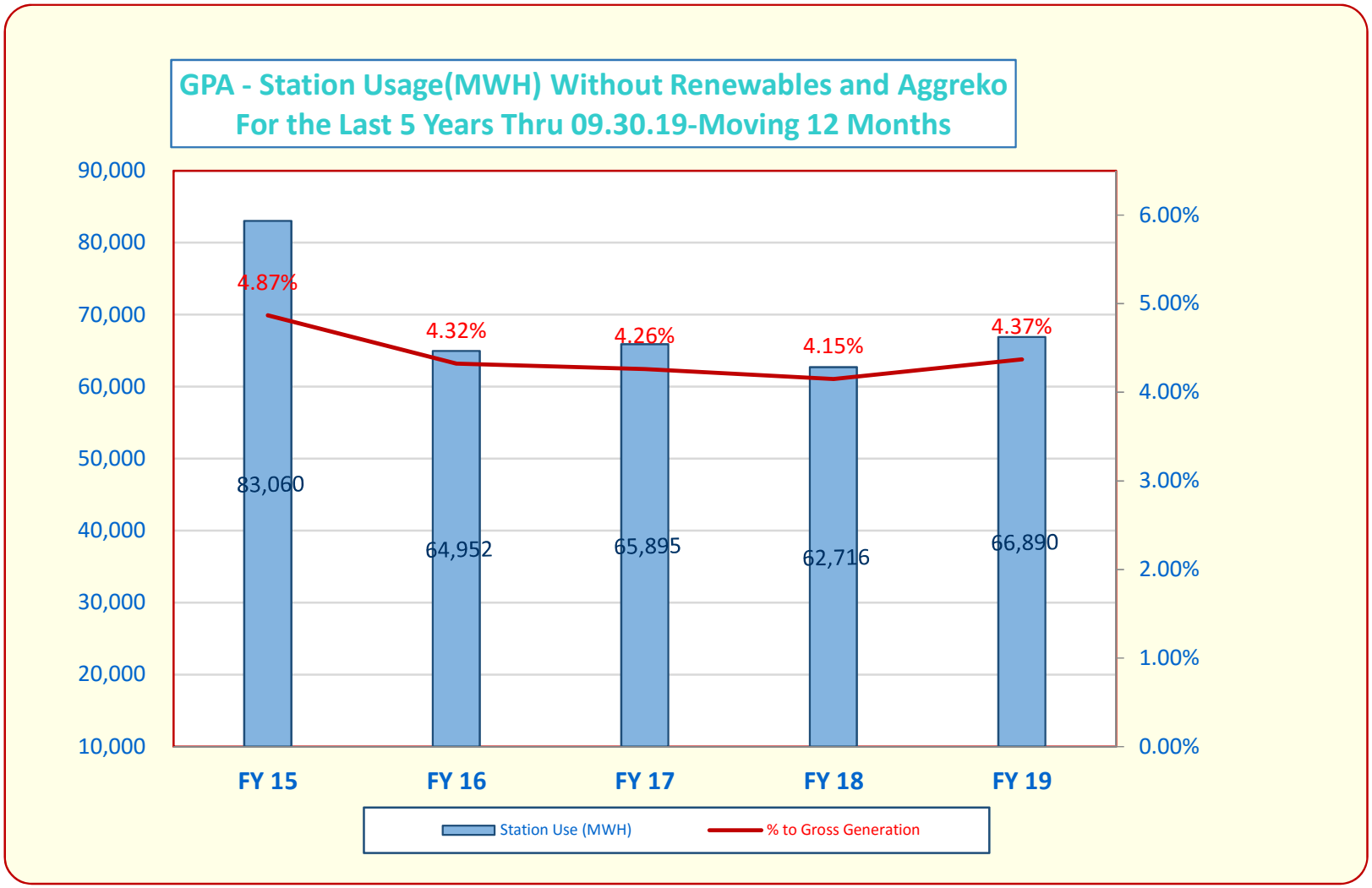
	MONTHLY - SEPTEMBER 2019				YTD THRU 09/30/19			
	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE	PROJECTIONS	ACTUAL	VARIANCE	% VARIANCE
KWH								
Residential	42,264,435	39,850,588	(2,413,847)	-5.71%	515,774,022	496,772,627	(19,001,396)	-3.68%
Small General-Non-Demand	7,164,486	5,281,337	(1,883,149)	-26.28%	85,601,024	76,100,951	(9,500,073)	-11.10%
Small General-Demand	15,197,022	16,034,273	837,251	5.51%	186,222,983	187,640,074	1,417,090	0.76%
Large	25,736,344	24,400,150	(1,336,194)	-5.19%	318,337,293	301,278,928	(17,058,365)	-5.36%
Independent Power Producers	44,969	47,591	2,622	5.83%	556,231	398,257	(157,973)	-28.40%
Private St. Lites	29,145	32,707	3,562	12.22%	379,599	396,459	16,860	4.44%
Sub-total	**90,436,401**	**85,646,645**	**(4,789,756)**	**-5.30%**	**1,106,871,152**	**1,062,587,295**	**(44,283,856)**	**-4.00%**
Government								
Small_Non Demand	1,298,216	733,348	(564,867)	-43.51%	14,483,611	12,770,354	(1,713,257)	-11.83%
Small-Demand	8,024,956	8,706,945	681,989	8.50%	96,166,646	97,901,061	1,734,416	1.80%
Large	6,621,909	6,031,079	(590,830)	-8.92%	76,379,683	71,987,379	(4,392,305)	-5.75%
Public St. Lites	638,059	711,804	73,745	11.56%	8,709,989	9,241,597	531,607	6.10%
Sub-total	**16,583,140**	**16,183,177**	**(399,964)**	**-2.41%**	**195,739,929**	**191,900,391**	**(3,839,539)**	**-1.96%**
Total-Civilian	**107,019,542**	**101,829,822**	**(5,189,720)**	**-4.85%**	**1,302,611,081**	**1,254,487,686**	**(48,123,395)**	**-3.69%**
USN	26,129,839	25,184,246	(945,592)	-3.62%	309,391,923	313,798,066	4,406,143	1.42%
Grand Total	**133,149,380**	**127,014,068**	**(6,135,312)**	**-4.61%**	**1,612,003,004**	**1,568,285,752**	**(43,717,252)**	**-2.71%**
					-	-		
Non-Oil Yield								
Residential	0.096102	0.096876	0.000774	0.81%	0.096102	0.096307	0.000205	0.21%
Small General-Non-Demand	0.136352	0.144814	0.008462	6.21%	0.136352	0.138862	0.002510	1.84%
Small General-Demand	0.119289	0.121637	0.002348	1.97%	0.119289	0.120116	0.000827	0.69%
Large	0.103671	0.104056	0.000385	0.37%	0.103671	0.103865	0.000194	0.19%
Independent Power Producers	0.120485	0.140249	0.019764	0.00%	0.120485	0.127897	0.007412	0.00%
Private St. Lites	0.568458	0.628938	0.060480	10.64%	0.568458	0.626943	0.058485	10.29%
Sub-total	**0.105505**	**0.106741**	**0.001235**	**1.17%**	**0.105467**	**0.105912**	**0.000445**	**0.42%**
Government					-			
Small_Non Demand	0.150024	0.162888	0.012864	8.57%	0.150024	0.152623	0.002599	1.73%
Small-Demand	0.134359	0.131936	(0.002423)	-1.80%	0.134359	0.133106	(0.001253)	-0.93%
Large	0.126658	0.124745	(0.001913)	-1.51%	0.126658	0.124944	(0.001714)	-1.35%
Public St. Lites	0.482817	0.508459	0.025642	5.31%	0.482817	0.474388	(0.008429)	-1.75%
Sub-total	**0.145918**	**0.147220**	**0.001302**	**0.89%**	**0.148019**	**0.147778**	**(0.000240)**	**-0.16%**
Total-Civilian	**0.175911**	**0.113174**	**(0.062738)**	**-35.66%**	**0.168765**	**0.112317**	**(0.056449)**	**-33.45%**
USN	0.062350	0.061493	(0.000857)	-1.38%	0.062350	0.063624	0.001274	2.04%
Grand Total	**0.102070**	**0.102926**	**0.000857**	**0.84%**	**0.102358**	**0.102574**	**0.000215**	**0.21%**
Non-Oil Revenues								
Residential	4,061,697	3,860,566	(201,131)	-4.95%	49,566,915	47,842,914	(1,724,001)	-3.48%
Small General-Non-Demand	976,892	764,811	(212,081)	-21.71%	11,671,871	10,567,501	(1,104,370)	-9.46%
Small General-Demand	1,812,838	1,950,367	137,530	7.59%	22,214,353	22,538,652	324,299	1.46%
Large	2,668,113	2,538,980	(129,132)	-4.84%	33,002,346	31,292,377	(1,709,969)	-5.18%
Independent Power Producers	5,418	6,675	1,256	23.19%	67,017	50,936	(16,082)	-24.00%
Private St. Lites	16,568	20,571	4,003	24.16%	215,786	248,557	32,771	15.19%
Sub-total	**9,541,525**	**9,141,970**	**(399,555)**	**-4.19%**	**116,738,288**	**112,540,937**	**(4,197,351)**	**-3.60%**
Government								
Small_Non Demand	194,764	119,454	(75,310)	-38.67%	2,172,889	1,949,044	(223,845)	-10.30%
Small-Demand	1,078,225	1,148,759	70,534	6.54%	12,920,854	13,031,233	110,378	0.85%
Large	838,718	752,344	(86,373)	-10.30%	9,674,098	8,994,374	(679,724)	-7.03%
Public St. Lites	308,066	361,923	53,857	17.48%	4,205,331	4,384,101	178,770	4.25%
Sub-total	**2,419,772**	**2,382,480**	**(37,292)**	**-1.54%**	**28,973,172**	**28,358,751**	**(614,421)**	**-2.12%**
Total-Civilian	**11,961,297**	**11,524,450**	**(436,847)**	**-3.65%**	**145,711,461**	**140,899,688**	**(4,811,773)**	**-3.30%**
USN	1,629,195	1,548,643	(80,553)	-4.94%	19,290,586	19,964,974	674,387	3.50%
Grand Total	**13,590,492**	**13,073,093**	**(517,399)**	**-3.81%**	**165,002,047**	**160,864,662**	**(4,137,385)**	**-2.51%**
% of Total Revenues	36.72%	40.84%			37.76%	40.24%		
Oil Revenues								
Residential	7,434,795	6,146,634	(1,288,160)	-17.33%	87,116,623	76,623,203	(10,493,420)	-12.05%
Small General-Non-Demand	1,260,315	814,604	(445,711)	-35.37%	14,453,980	11,737,963	(2,716,017)	-18.79%
Small General-Demand	2,673,329	2,472,003	(201,326)	-7.53%	31,418,617	28,929,258	(2,489,358)	-7.92%
Large	4,527,316	3,744,788	(782,528)	-17.28%	53,680,636	46,250,936	(7,429,699)	-13.84%
Independent Power Producers	7,911	7,063	(847)	-10.71%	93,796	59,253	(34,543)	-36.83%
Private St. Lites	5,127	5,045	(82)	-1.60%	63,520	61,151	(2,370)	-3.73%
Sub-total	**15,908,791**	**13,190,137**	**(2,718,654)**	**-17.09%**	**186,827,171**	**163,661,765**	**(23,165,407)**	**-12.40%**
Government								
Small_Non Demand	228,371	113,113	(115,258)	-50.47%	2,445,756	1,969,725	(476,031)	-19.46%
Small-Demand	1,411,681	1,342,977	(68,704)	-4.87%	16,209,455	15,100,456	(1,108,999)	-6.84%
Large	1,164,869	918,970	(245,899)	-21.11%	12,888,726	10,968,925	(1,919,801)	-14.90%
Public St. Lites	112,242	109,790	(2,452)	-2.18%	1,464,173	1,425,442	(38,730)	-2.65%
Sub-total	**2,917,163**	**2,484,850**	**(432,313)**	**-14.82%**	**33,008,110**	**29,464,548**	**(3,543,562)**	**-10.74%**
Total-Civilian	**18,825,954**	**15,674,987**	**(3,150,967)**	**-16.74%**	**219,835,281**	**193,126,313**	**(26,708,969)**	**-12.15%**
USN	4,596,536	3,259,514	(1,337,021)	-29.09%	52,175,832	45,741,838	(6,433,994)	-12.33%
Grand Total	**23,422,490**	**18,934,501**	**(4,487,989)**	**-19.16%**	**272,011,114**	**238,868,151**	**(33,142,963)**	**-12.18%**
% of Total Revenues	63.28%	59.16%			62.24%	59.76%		
Grand Total								
Residential	11,496,491	10,007,200	(1,489,291)	-12.95%	136,683,538	124,466,118	(12,217,421)	-8.94%
Small General-Non-Demand	2,237,207	1,579,415	(657,791)	-29.40%	26,125,851	22,305,464	(3,820,387)	-14.62%
Small General-Demand	4,486,167	4,422,371	(63,796)	-1.42%	53,632,970	51,467,910	(2,165,060)	-4.04%
Large	7,195,428	6,283,768	(911,660)	-12.67%	86,682,981	77,543,313	(9,139,668)	-10.54%
Independent Power Producers	13,329	13,738	409	3.07%	160,814	110,189	(50,624)	-31.48%
Private St. Lites	21,695	25,616	3,921	18.07%	279,306	309,708	30,401	10.88%
Sub-total	**25,450,316**	**22,332,107**	**(3,118,209)**	**-12.25%**	**303,565,460**	**276,202,701**	**(27,362,758)**	**-9.01%**
Government					-			
Small_Non Demand	423,134	232,567	(190,568)	-45.04%	4,618,645	3,918,769	(699,876)	-15.15%
Small-Demand	2,489,906	2,491,735	1,829	0.07%	29,130,309	28,131,688	(998,621)	-3.43%
Large	2,003,587	1,671,314	(332,273)	-16.58%	22,562,824	19,963,299	(2,599,526)	-11.52%
Public St. Lites	420,308	471,713	51,406	12.23%	5,669,503	5,809,543	140,040	2.47%
Sub-total	**5,336,935**	**4,867,330**	**(469,605)**	**-8.80%**	**61,981,282**	**57,823,299**	**(4,157,983)**	**-6.71%**
Total-Civilian	**30,787,251**	**27,199,437**	**(3,587,814)**	**-11.65%**	**365,546,742**	**334,026,001**	**(31,520,741)**	**-8.62%**
USN	6,225,731	4,808,157	(1,417,574)	-22.77%	71,466,419	65,706,812	(5,759,607)	-8.06%
Grand Total	**37,012,982**	**32,007,594**	**(5,005,388)**	**-13.52%**	**437,013,161**	**399,732,813**	**(37,280,348)**	**-8.53%**
	-	-	-					

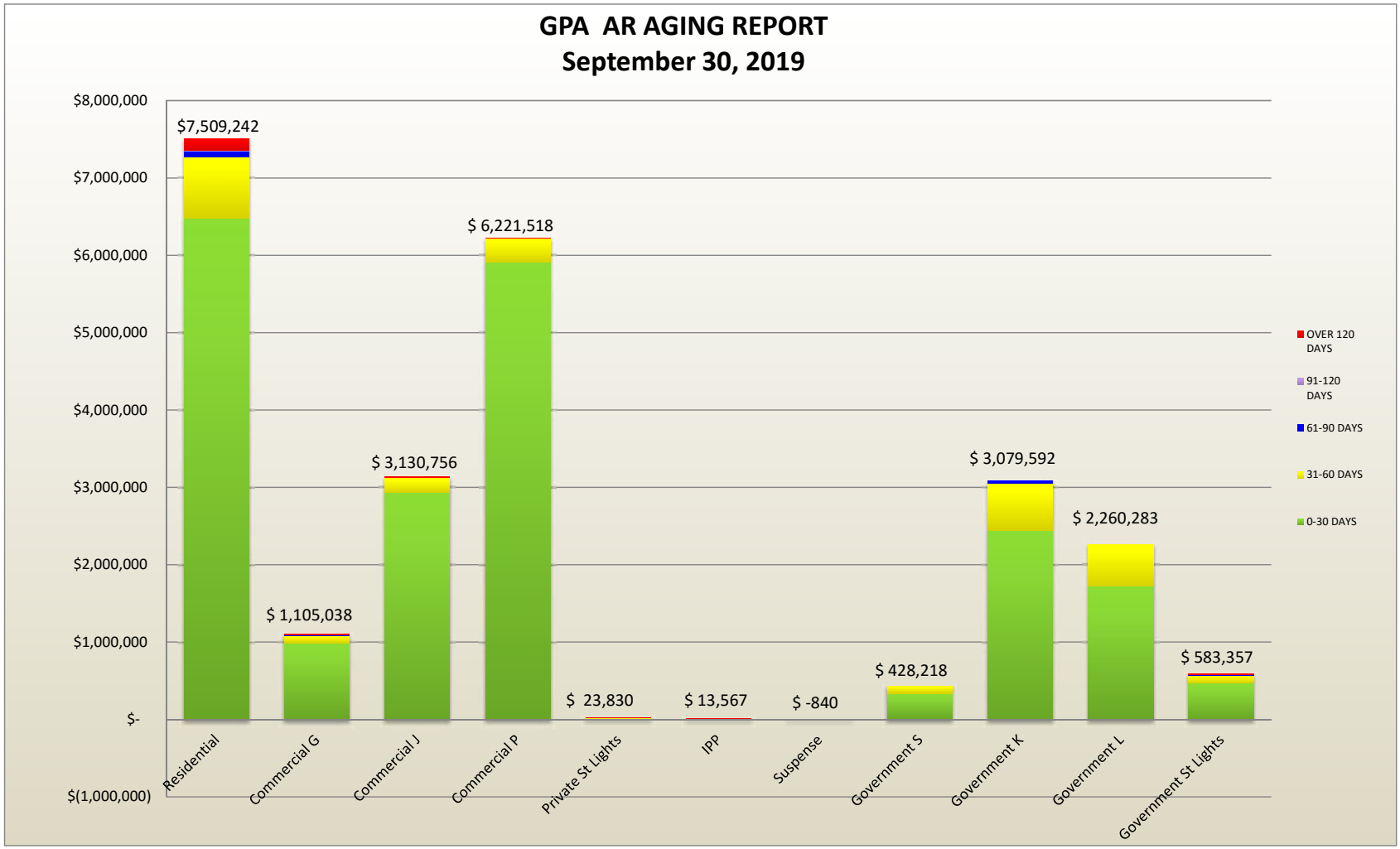
	YTD REVENUES - CURRENT YEAR VS PRIOR YEAR				MTD REVENUES - CURRENT YEAR VS PRIOR YEAR			
	ACTUALS - 12 MONTHS ENDED SEPTEMBER 30				ACTUALS - MONTH ENDED SEPTEMBER 30			
	2019	2018	VARIANCE	% VARIANCE	2019	2018	VARIANCE	% VARIANCE
KWH								
Residential	496,772,627	495,346,749	1,425,878	0.29%	39,850,588	37,207,511	2,643,076	7.10%
Small General-Non-Demand	76,100,951	81,419,604	(5,318,654)	-6.53%	5,281,337	6,128,698	(847,361)	-13.83%
Small General-Demand	187,640,074	184,605,153	3,034,921	1.64%	16,034,273	14,018,162	2,016,111	14.38%
Large	301,278,928	307,368,249	(6,089,320)	-1.98%	24,400,150	23,573,240	826,910	3.51%
Independent Power Producers	398,257	479,714	(81,457)	-16.98%	47,591	29,708	17,882	60.19%
Private St. Lites	396,459	403,056	(6,598)	-1.64%	32,707	34,933	(2,226)	-6.37%
Sub-total	**1,062,587,295**	**1,069,622,525**	**(7,035,230)**	**-0.66%**	**85,646,645**	**80,992,253**	**4,654,393**	**5.75%**
Government								
Small_Non Demand	12,770,354	14,326,985	(1,556,630)	-10.87%	733,348	1,089,787	(356,439)	-32.71%
Small-Demand	97,901,061	92,945,937	4,955,124	5.33%	8,706,945	7,082,161	1,624,784	22.94%
Large	71,987,379	74,650,307	(2,662,929)	-3.57%	6,031,079	5,873,776	157,303	2.68%
Public St. Lites	9,241,597	9,046,218	195,378	2.16%	711,804	734,966	(23,162)	-3.15%
Sub-total	**191,900,391**	**190,969,447**	**930,944**	**0.49%**	**16,183,177**	**14,780,690**	**1,402,487**	**9.49%**
Total-Civilian	**1,254,487,686**	**1,260,591,972**	**(6,104,286)**	**-0.48%**	**101,829,822**	**95,772,942**	**6,056,880**	**6.32%**
USN	313,798,066	306,460,172	7,337,894	2.39%	25,184,246	23,161,867	2,022,379	8.73%
Grand Total	**1,568,285,752**	**1,567,052,144**	**1,233,608**	**0.08%**	**127,014,068**	**118,934,809**	**8,079,259**	**6.79%**
Non-Oil Yield								
Residential	0.096307	0.096264	0.000043	0.04%	0.096876	0.096674	0.000202	0.21%
Small General-Non-Demand	0.138862	0.136877	0.001985	1.45%	0.144814	0.138383	0.006431	4.65%
Small General-Demand	0.120116	0.120054	0.000063	0.05%	0.121637	0.123493	-0.001856	-1.50%
Large	0.103865	0.104208	-0.000343	-0.33%	0.104056	0.108133	-0.004077	-3.77%
Independent Power Producers	0.127897	0.114929	0.012968	11.28%	0.140249	0.133213	0.007035	5.28%
Private St. Lites	0.626943	0.626462	0.000481	0.08%	0.628938	0.601263	0.027675	4.60%
Sub-total	**0.105912**	**0.105952**	**-0.000040**	**-0.04%**	**0.106741**	**0.108039**	**-0.001298**	**-1.20%**
Government								
Small_Non Demand	0.152623	0.150486	0.002137	1.42%	0.162888	0.153821	0.009067	5.89%
Small-Demand	0.133106	0.135060	-0.001954	-1.45%	0.131936	0.142909	-0.010973	-7.68%
Large	0.124944	0.127855	-0.002911	-2.28%	0.124745	0.133653	-0.008909	-6.67%
Public St. Lites	0.474388	0.473421	0.000967	0.20%	0.508459	0.495635	0.012824	2.59%
Sub-total	**0.147778**	**0.149429**	**-0.001650**	**-1.10%**	**0.147220**	**0.157575**	**-0.010355**	**-6.57%**
Total-Civilian	**0.112317**	**0.112539**	**-0.000222**	**-0.20%**	**0.113174**	**0.115683**	**-0.002510**	**-2.17%**
USN	0.063624	0.062452	0.001172	1.88%	0.061493	0.070049	-0.008557	-12.22%
Grand Total	**0.102574**	**0.102743**	**-0.000170**	**-0.17%**	**0.102926**	**0.106796**	**-0.003870**	**-3.62%**
Non-Oil Revenues								
Residential	47,842,914	47,684,300	158,614	0.33%	3,860,566	3,597,014	263,551	7.33%
Small General-Non-Demand	10,567,501	11,144,442	(576,940)	-5.18%	764,811	848,105	(83,293)	-9.82%
Small General-Demand	22,538,652	22,162,504	376,148	1.70%	1,950,367	1,731,150	219,217	12.66%
Large	31,292,377	32,030,195	(737,818)	-2.30%	2,538,980	2,549,051	(10,071)	-0.40%
Independent Power Producers	50,936	55,133	(4,197)	-7.61%	6,675	3,958	2,717	68.65%
Private St. Lites	248,557	252,499	(3,942)	-1.56%	20,571	21,004	(433)	-2.06%
Sub-total	**112,540,937**	**113,329,073**	**(788,136)**	**-0.70%**	**9,141,970**	**8,750,282**	**391,688**	**4.48%**
Government								
Small_Non Demand	1,949,044	2,156,006	(206,962)	-9.60%	119,454	167,632	(48,179)	-28.74%
Small-Demand	13,031,233	12,553,263	477,969	3.81%	1,148,759	1,012,105	136,654	13.50%
Large	8,994,374	9,544,414	(550,040)	-5.76%	752,344	785,049	(32,705)	-4.17%
Public St. Lites	4,384,101	4,282,666	101,434	2.37%	361,923	364,275	(2,352)	-0.65%
Sub-total	**28,358,751**	**28,536,350**	**(177,598)**	**-0.62%**	**2,382,480**	**2,329,061**	**53,419**	**2.29%**
Total-Civilian	**140,899,688**	**141,865,423**	**(965,734)**	**-0.68%**	**11,524,450**	**11,079,343**	**445,107**	**4.02%**
USN	19,964,974	19,138,937	826,037	4.32%	1,548,643	1,622,468	(73,826)	-4.55%
Grand Total	**160,864,662**	**161,004,359**	**(139,697)**	**-0.09%**	**13,073,093**	**12,701,811**	**371,282**	**2.92%**
% of Total Revenues								
Oil Revenues								
Residential	76,623,203	70,139,131	6,484,073	9.24%	6,146,634	5,738,961	407,673	7.10%
Small General-Non-Demand	11,737,963	11,534,398	203,565	1.76%	814,604	945,303	(130,699)	-13.83%
Small General-Demand	28,929,258	26,091,445	2,837,813	10.88%	2,472,003	2,161,438	310,565	14.37%
Large	46,250,936	42,888,867	3,362,069	7.84%	3,744,788	3,621,896	122,891	3.39%
Independent Power Producers	59,253	61,977	(2,724)	-4.40%	7,063	4,435	2,629	59.27%
Private St. Lites	61,151	56,540	4,610	8.15%	5,045	5,388	(343)	-6.37%
Sub-total	**163,661,765**	**150,772,358**	**12,889,406**	**8.55%**	**13,190,137**	**12,477,421**	**712,716**	**5.71%**
Government								
Small_Non Demand	1,969,725	2,001,884	(32,159)	-1.61%	113,113	168,091	(54,978)	-32.71%
Small-Demand	15,100,456	12,986,996	2,113,460	16.27%	1,342,977	1,092,367	250,610	22.94%
Large	10,968,925	10,308,197	660,728	6.41%	918,970	895,481	23,489	2.62%
Public St. Lites	1,425,442	1,274,816	150,626	11.82%	109,790	113,363	(3,572)	-3.15%
Sub-total	**29,464,548**	**26,571,893**	**2,892,655**	**10.89%**	**2,484,850**	**2,269,301**	**215,549**	**9.50%**
Total-Civilian	**193,126,313**	**177,344,252**	**15,782,061**	**8.90%**	**15,674,987**	**14,746,722**	**928,265**	**6.29%**
USN	45,741,838	39,980,262	5,761,576	14.41%	3,259,514	3,649,106	(389,592)	-10.68%
Grand Total	**238,868,151**	**217,324,513**	**21,543,637**	**9.91%**	**18,934,501**	**18,395,828**	**538,673**	**2.93%**
% of Total Revenues								
Grand Total								
Residential	124,466,118	117,823,431	6,642,686	5.64%	10,007,200	9,335,975	671,225	7.19%
Small General-Non-Demand	22,305,464	22,678,840	(373,376)	-1.65%	1,579,415	1,793,407	(213,992)	-11.93%
Small General-Demand	51,467,910	48,253,949	3,213,961	6.66%	4,422,371	3,892,588	529,782	13.61%
Large	77,543,313	74,919,062	2,624,251	3.50%	6,283,768	6,170,948	112,820	1.83%
Independent Power Producers	110,189	117,110	(6,921)	-5.91%	13,738	8,392	5,346	63.70%
Private St. Lites	309,708	309,040	668	0.22%	25,616	26,392	(777)	-2.94%
Sub-total	**276,202,701**	**264,101,431**	**12,101,270**	**4.58%**	**22,332,107**	**21,227,703**	**1,104,404**	**5.20%**
Government								
Small_Non Demand	3,918,769	4,157,890	(239,121)	-5.75%	232,567	335,723	(103,156)	-30.73%
Small-Demand	28,131,688	25,540,259	2,591,429	10.15%	2,491,735	2,104,471	387,264	18.40%
Large	19,963,299	19,852,611	110,688	0.56%	1,671,314	1,680,530	(9,216)	-0.55%
Public St. Lites	5,809,543	5,557,483	252,060	4.54%	471,713	477,638	(5,924)	-1.24%
Sub-total	**57,823,299**	**55,108,243**	**2,715,057**	**4.93%**	**4,867,330**	**4,598,362**	**268,968**	**5.85%**
Total-Civilian	**334,026,001**	**319,209,674**	**14,816,327**	**4.64%**	**27,199,437**	**25,826,065**	**1,373,372**	**5.32%**
USN	65,706,812	59,119,199	6,587,613	11.14%	4,808,157	5,271,574	(463,417)	-8.79%
Grand Total	**399,732,813**	**378,328,873**	**21,403,940**	**5.66%**	**32,007,594**	**31,097,639**	**909,955**	**2.93%**


GPA - T and D Losses (MWH) With Renewables
For the Last 5 Years thru 09.30.19 -Moving 12 Months
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
4.88%
4.88%
4.95%
5.12%
5.32%
79,267
80,852
83,949
84,855
88,398
FY 15
FY 16
FY 17
FY 18
FY 19
T and D Losses (MWH)
T and D Losses (% to Net Gen.)


GPA - T and D Losses (MWH) Without Renewables and Aggreko
For the Last 5 Years thru 09.30.19 -Moving 12 Months
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
4.88%
5.62%
5.67%
5.86%
6.04%
79,267
80,852
83,949
84,855
88,398
FY 15
FY 16
FY 17
FY 18
FY 19
T and D Losses (MWH)
T and D Losses (% to Net Generation)

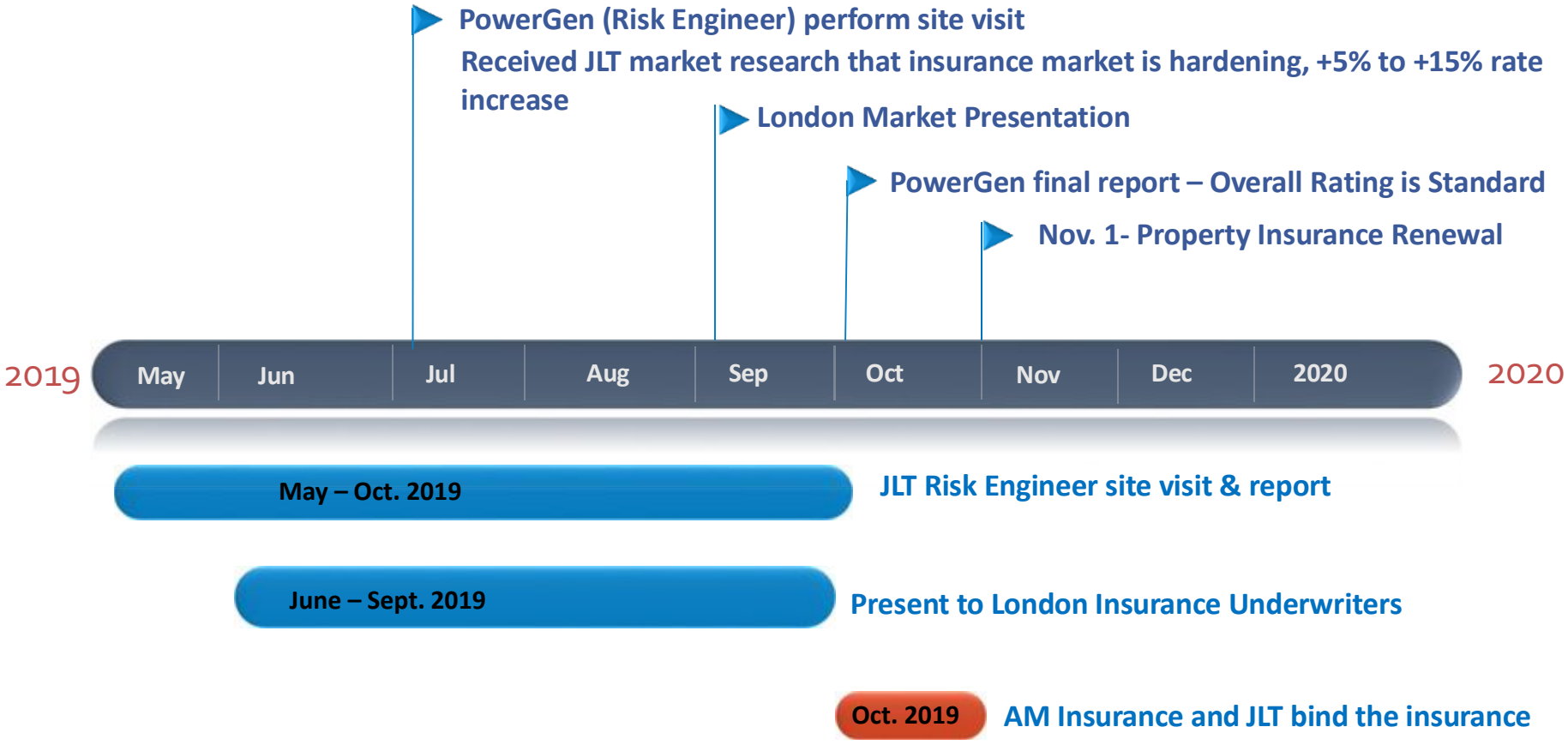

GPA - Station Usage(MWH) With Renewables
For the Last 5 Years Thru 09.30.19 -Moving 12 Months
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
4.87%
3.77%
3.74%
3.65%
3.87%
83,060
64,952
65,895
62,716
66,890
FY 15
FY 16
FY 17
FY 18
FY 19
Station Use (MWH)
% to Gross Generation


GPA - Station Usage(MWH) Without Renewables and Aggreko
For the Last 5 Years Thru 09.30.19-Moving 12 Months
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
4.87%
4.32%
4.26%
4.15%
4.37%
83,060
64,952
65,895
62,716
66,890
FY 15
FY 16
FY 17
FY 18
FY 19
Station Use (MWH)
% to Gross Generation


GPA AR AGING REPORT
September 30, 2019
$8,000,000
$7,000,000
$6,000,000
$5,000,000
$4,000,000
$3,000,000
$2,000,000
$1,000,000
$-
$(1,000,000)
$7,509,242
$ 1,105,038
$ 3,130,756
$ 6,221,518
$ 23,830
$ 13,567
$ -840
$ 428,218
$ 3,079,592
$ 2,260,283
$ 583,357
Residential
Commercial G
Commercial J
Commercial P
Private St Lights
IPP
Suspense
Government S
Government K
Government L
Government St Lights
OVER 120 DAYS
91-120 DAYS
61-90 DAYS
31-60 DAYS
0-30 DAYS

2019-2020 Insurance Update

Timeline



Historical Insurance Rate - Property

YEAR	PREMIUM	Change ($)	Change (%)
2008/09	$5,237,363		
2009/10	$5,610,263	$372,900	7.12%
2010/11	$5,100,405	-$509,858	-9.09%
2011/12	$4,928,747	-$171,658	-3.37%
2012/13	$5,153,717	$224,970	4.56%
2013/14	$5,406,622	$252,905	4.91%
2014/15	$4,855,119	-$551,503	-10.20%
2015/16	$6,662,309	$1,807,190	37.22%
2016/17	$6,450,000	-$212,309	-3.19%
2017/18	$6,694,749	$244,749	3.79%
2018/19	$4,422,692	-$2,272,057	-33.94%
2019/20	**$5,252,334**	**$829,642**	**18.76%**

Challenges faced in the Market noted by Marsh (formerly JLT)

Major losses impacting insurers results

- The Power market continues to see large losses
- The losses follow during a sustained period of market premium and rate reduction
- Natural Catastrophe losses whilst not specific to Power market, continues to influence the market
- Aging power infrastructures around the world has been continued high frequency attrition losses
- At the same time power technology has been more ‘large losses’ as technology – and exposure to loss – is up scaled
  - Higher thermal efficiency means greater temperatures
  - Bigger size of units to deliver greater output

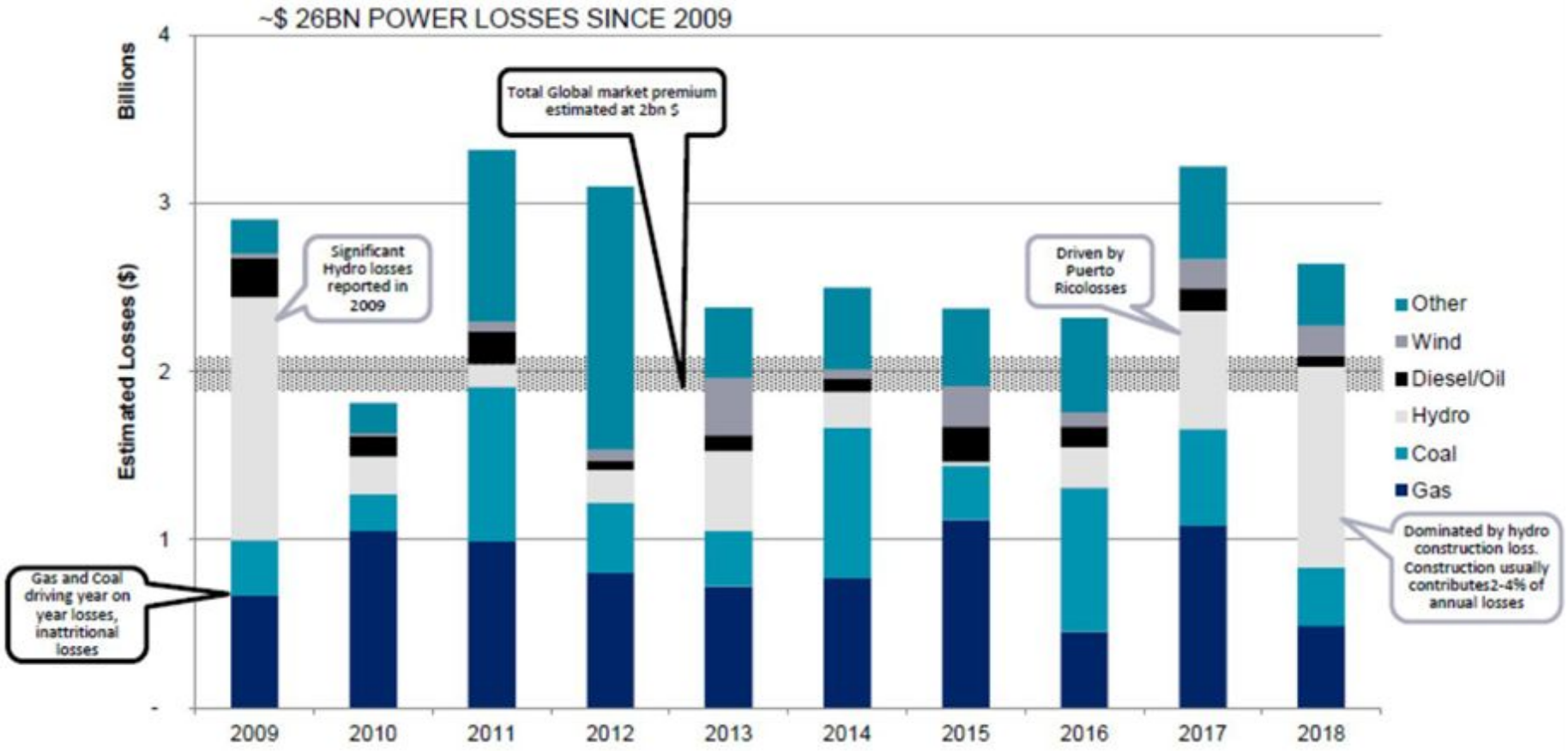
2014 to 2018 – Power Market Losses > Market Premium

Power Losses
Inc. Construction

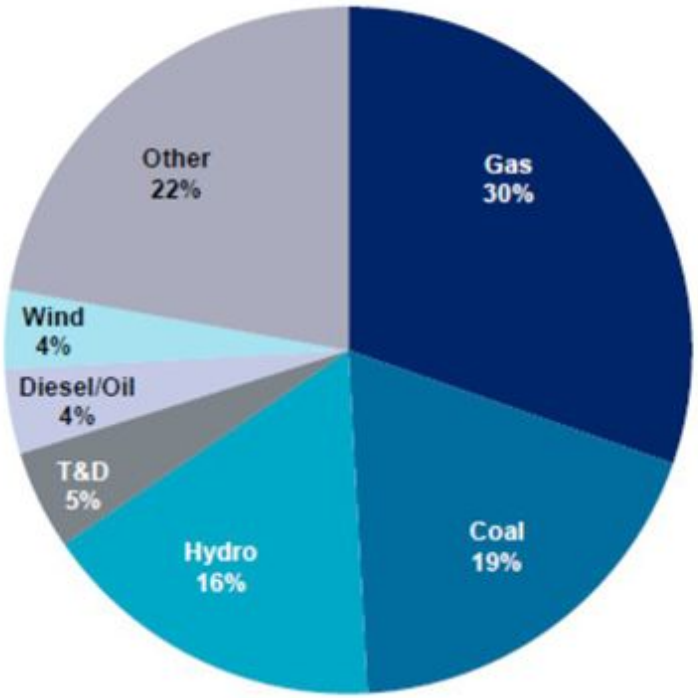
Year	Loss Total $	Est Premium Income $*
2014	2,500,000,000	~2,000,000,000
2015	2,340,000,000	~2,000,000,000
2016	2,320,000,000	~2,000,000,000
2017	3,210,000,000	~2,000,000,000
2018	2,080,000,000	~2,000,000,000
	12,450,000,000	**~10,000,000,000**

*Annual premium of $2bn has in reality gone down each year in line with market 'softening'.

Major Power Losses and Premium Building up to 2019



Power Losses by Technology



2000–2018 Power Losses
Inc. Construction

Technology	Estimated Losses (USD m)	Number of Losses
Gas	10,116,000,000	733
Coal	6,253,000,000	258
Hydro	5,453,000,000	113
T&D	1,562,000,000	33
Diesel/Oil	1,331,000,000	76
Wind	1,239,000,000	132
Other	7,381,000,000	409

Gas plants dominate monetary losses to the market. However the number of events results in gas plants actually having one of the lowest averages for all occupancies. In contrast, Hydro events are highly volatile with the greatest average claim amount.

Major Losses Impacting Insurers Results

- 2019 has continued to see major losses notified – a selection of losses in excess of $10m is shown
- Data only up to early q3 – expected to deteriorate

Power Losses 2019 - excess of $10m

Region	Event	Quantum $
Georgia	Tunnel Collapse	70-80m
Columbia	Tunnel Leak	10m
US	Generator Damage	13m
US	Generator Failure	15m
Saudi Arabia	Blade Liberation of Low Pressure Steam Turbine	28m-55m
Saudi Arabia	Blade Liberation of Low Pressure Steam Turbine	25m-35m
US	Blade Liberation on 501 Unit	13m
US	Flooding	5m-50m
US	Flooding of plant & substation	15m
AUS	Generator Trip with rotor damage	70m-160m
US	Transformer Failure	12.5m
US	Stack Cracking	37m
Ghana	9E Failure	25m
Canada	Wind Farm (Construction)	76m
Bahamas	Fire at Diesel Plant	18m
US	Solar Plant Damage - Hailstorm	75m+
Philippines	ST Bearing Issue	12.5m
US	Vibration issue, causing a oil leak/fire	71m
AUS	Generator Explosion	50m+
US	Flood Damage	70m+
Bulgaria	Sulphur Purifying Plant failure	12m
Germany	Cold Zone Nuclear	45m
Turkey	7FA Failure	50m
US	Turbine Overspeed - Biomass	40m-50m
US	7FA Failure	25m
US	7FA Failure - Blade Libration	25m
Italy	GT Failure	10m

Lloyds Performance Review

- Power was the third worst performing class under the recent Lloyd's performance review
- Lloyd's have consequently instructed their syndicates to either take corrective action or stop writing the class.
- This meant a combination of rating increases or capacity withdrawals, with the latter fuelling the former.
- Lloyd's have dictated that syndicates do not exceed income stipulated in their syndicate business plan for 2019.
- The result of rate increases secured in q1 and q2 means that income is ahead of plan.
- This affects underwriting in q3 (and increasingly into q4) as underwriters either reduce their capacity share when renewing a risk or decline risks in order to stand still on income.
- As a consequence, Lloyds is being very selective and in some cases, very opportunistic with capacity being offered to new risks carrying a higher rate at the expense of long term existing risks that have yet to renew in 2019.
- 2020 business plans are currently being submitted

Market Movement – Individual Carrier Changes

2019 has seen a dramatic change in insurer appetite for Power business

Markets no longer writing any Power business

- Freberg
- Tokio Marine Kiln
- Priority
- Qatar Re
- Hamilton
- Pioneer
- Agora
- Chaucer
- Probitas
- Ironshore

Markets withdrawing from specific types or geographies of Power business

- Aviva – now renewables only
- RSA London no longer writing stand alone or majority exposed portfolios in LATAM
- Liberty syndicate ceased writing Power (Liberty International are still active)
- Axis – now renewables only
- Mapfre have closed their London operation from 1st October 2019 but remain accessible in Madrid, albeit with a different and reduced appetite

GUAM POWER AUTHORITY
GOVERNMENT ACCOUNTS RECEIVABLE
Billing as of 10/31/2019 and Payments as of 11/13/2019

Current (10/19 Billing due 11/30/19)
30 days Arrears (9/30/19 due 10/31/19)
60 days and over Arrears (08/19 billing due 9/30/19)

CC&B ACCT NUMBER	CC&B New Acct Numer	DEPARTMENT	CC&B BALANCE 09/30/2019	CANCEL/REBILL/ SPEC CHARGE 11/13/2019	BILLING 10/31/2019	PAYMENT UP TO 11/13/2019	CC&B BALANCE 11/13/2019
		Line Agencies					
0237100000	1073430238	Dept. of Corrections	$ 78,657.41		$ 79,513.74	$ (78,657.41)	$ 79,513.74
0437100000	0040515913	Dept. of Parks & Rec.	$ 20,241.70	$ 152.58	$ 21,304.10	$ (20,241.70)	$ 21,456.68
0537100000	0453170939	Guam Fire Department	$ 17,362.14		$ 17,337.24	$ (17,362.14)	$ 17,337.24
6995000000	8564647941	DOA Supply Mgmt (NET METERED)	$ 1,326.77		$ 880.42	$ (1,326.77)	$ 880.42
7895000000	4211873236	Dept. of Administration	$ 3,500.62		$ 3,520.48	$ (3,500.62)	$ 3,520.48
1337100000	4554808900	Nieves Flores Library	$ 10,895.44	$ 81.71	$ 11,779.69	$ (13,739.18)	$ 9,017.66
2206200000	9541109130	General Services Agency	$ 261.33		$ 272.57	$ (261.33)	$ 272.57
2237100000	1621790133	DOA-Data Processing	$ 9,185.38		$ 9,382.87	$ (9,185.38)	$ 9,382.87
2337100000	1896187753	Dept. of PH&SS	$ 68,863.95	$ 20.67	$ 72,699.73	$ (66,107.31)	$ 75,477.04
3237100000	7252821074	Dept. of Education	$ 2,230,764.53	$ 16,730.77	$ 1,165,008.15		$ 3,412,503.45
3337100000	0266069082	Guam Police Department	$ 48,499.10	$ 363.74	$ 50,529.80	$ (48,499.10)	$ 50,893.54
3569100000	6069461950	Dept of Youth Affairs (Federal)	$ 637.70		$ 638.84	$ (637.70)	$ 638.84
4437100000	2913461537	Dept. of Youth Affair* (Local)	$ 11,803.32		$ 12,987.63	$ (11,803.32)	$ 12,987.63
4737100000	3404311949	Guam Environmental Protect	$ 14,004.92		$ 7,262.38	$ (14,004.92)	$ 7,262.38
5437100000	3227759982	Mental Health/Subst.	$ 49,537.41		$ 47,744.94	$ (49,537.41)	$ 47,744.94
	6841080463	Guam Behavioral Health & Wellness	$ 1,667.93		$ 1,688.46	$ (1,667.93)	$ 1,688.46
7200300000	0070861777	Veteran Affairs	$ 2,096.52		$ 2,194.02	$ (2,096.52)	$ 2,194.02
	6243861917	Guam Veterans Affairs Office	$ 0.00		$ -		$ 0.00
7437100000	8300435373	Civil Defense (Military Affairs)	$ 23,717.95	$ 91.79	$ 12,786.51	$ (11,479.36)	$ 25,116.89
7463300000	7813165805	Pacific Energy Resource Center	$ 707.11	$ 5.30	$ 770.43	$ (707.11)	$ 775.73
8137100000	1595188609	Dept. of Agriculture	$ 9,800.28		$ 9,673.17	$ (9,800.28)	$ 9,673.17
8337100000	2535590089	DPW-FAC Adm Account	$ 30,987.27	$ 232.42	$ 32,083.15	$ (30,987.27)	$ 32,315.57
8437100000	7928924534	Guam Visitors Bureau	$ 4,343.18		$ 4,510.11	$ (4,343.18)	$ 4,510.11
8446300000	7663706771	Yona Senior Citizen Center	$ 1,159.84	$ 8.70	$ 1,060.45		$ 2,228.99
9437100000	4129948191	Dept of Chamorro Affairs/Chamorro Village	$ 3,464.00	$ 26.00	$ 3,493.10	$ (3,464.00)	$ 3,519.10
	3558733700	Dept of Chamorro Affairs/Chamorro Village (NET METERED)	$ 141.91	$ 1.06	$ 140.85	$ (141.91)	$ 141.91
5247210000	5247210000	Mayors Council	$ 6,563.66	$ 401.78	$ 6,678.28		$ 13,643.72
6293410000	6293410000	Office of the Governor	$ 37,796.00		$ 25,871.39	$ (37,796.00)	$ 25,871.39
8555858369	8555858369	Dept of Chamorro Affairs (Guam Museum)	$ 22,830.77		$ 22,654.12	$ (22,830.77)	$ 22,654.12
	1099514147	Dept of Chamorro Affairs/Repository	$ 400.43		$ 422.88	$ (400.43)	$ 422.88
		Sub Total	**$ 2,711,218.57**	**$ 18,116.52**	**$ 1,624,889.50**	**$ (460,579.05)**	**$ 3,893,645.54**
		MAYORS					
0637100000	3832327736	Santa Rita Mayor	$ 3,602.10	$ 77.03	$ 3,674.30		$ 7,353.43
0737100000	9351070242	Ordot/Chalan Pago Mayor	$ 1,117.33	$ 8.38	$ 1,096.30		$ 2,222.01
1537100000	6393530237	Hagatna Mayor	$ 696.72	$ 5.23	$ 556.44		$ 1,258.39
1637100000	3293808984	Piti Mayor	$ 1,107.68	$ 8.31	$ 1,171.66		$ 2,287.65
1737100000	8715052935	Mongmong/Toto/Maite Mayor	$ 1,690.69	$ (135.20)	$ 1,623.59		$ 3,179.08
2637100000	0492244686	Asan/Maina/Adelup Mayor	$ 638.68	$ 4.80	$ 634.27		$ 1,277.75
2737100000	8433959204	Sinajana Mayor	$ 3,846.27	$ 28.85	$ 3,894.03		$ 7,769.15
3637100000	8041715847	Dededo Mayor	$ 6,170.24	$ 46.27	$ 7,028.55		$ 13,245.06
4637100000	7037924246	Yigo Mayor	$ 4,639.60	$ 34.80	$ 4,539.66		$ 9,214.06
5637100000	7202265287	Umatac Mayor	$ 1,357.76	$ 10.20	$ 1,400.51		$ 2,768.47
6537100000	8472200165	Agana Hts. Mayor	$ 3,884.14	$ 29.14	$ 4,487.93		$ 8,401.21
6637100000	4469579998	Merizo Mayor	$ 1,152.39	$ 8.65	$ 1,474.45		$ 2,635.49
6737100000	5763167341	Barrigada Mayors Office	$ 2,158.60	$ 16.19	$ 2,607.59		$ 4,782.38
7537100000	7247791682	Agat Mayor	$ 2,656.38	$ 71.40	$ 3,023.25		$ 5,751.03
7637100000	6078244037	Inarajan Mayor	$ 2,331.63	$ 17.50	$ 2,476.43		$ 4,825.56
8537100000	6957205325	Tamuning Mayor	$ 6,597.76	$ 49.49	$ 6,851.47		$ 13,498.72
8637100000	1880297633	Talofofo Mayor	$ 2,191.21	$ 16.47	$ 2,129.37		$ 4,337.05
9537100000	3631627996	Mangilao Mayor	$ 4,418.74	$ 33.15	$ 4,474.20		$ 8,926.09
9637100000	1837525565	Yona Mayor	$ 1,363.36	$ 10.23	$ 1,426.13		$ 2,799.72
		Sub Total	**$ 51,621.28**	**$ 340.89**	**$ 54,570.13**	**$ -**	**$ 106,532.30**
		DPW ACCOUNTS				$ -	
4337100000	3045433600	DPW-Village St. Lights	$ 358,016.83	$ 2,685.23	$ 382,056.59		$ 742,758.65
5337100000	0930959866	DPW- Primary St. Lights	$ 172,812.96	$ 1,304.53	$ 89,284.83		$ 263,402.32
6337100000	3088040552	DPW-Sec/Coll St. Lights	$ 25,626.83	$ 192.20	$ 27,079.39		$ 52,898.42
7337100000	0832698062	DPW-Signal Lights	$ 10,455.10	$ 78.37	$ 10,499.45	$ (10,455.10)	$ 10,577.82
		Sub Total	**$ 566,911.72**	**$ 4,260.33**	**$ 508,920.26**	**$ (10,455.10)**	**$ 1,069,637.21**
		(B) AUTONOMOUS/PUBLIC CORP					
1437100000	1540692986	Retirement Fund	$ 6,633.58		$ 7,038.83	$ (6,633.58)	$ 7,038.83
1915500000	0563872892	Guam Housing Corp Rental Division	$ 1,399.19	$ 49.43	$ 1,406.28	$ (1,399.19)	$ 1,455.71
2437100000	5434075703	University of Guam	$ 187,921.51		$ 190,836.22	$ (187,921.51)	$ 190,836.22
4237100000	7736362694	Guam Airport Authority	$ 529,454.08	$ (5,155.44)	$ 546,967.52	$ (529,454.08)	$ 541,812.08
5357510000	5357510000	University of Guam (NET METERED)	$ 83,156.21		$ 84,116.14	$ (83,156.21)	$ 84,116.14
6237100000	1699407298	G H U R A	$ 14,169.35	$ (24.80)	$ 25,022.47	$ (25,688.81)	$ 13,478.21
6437100000	6518220019	Guam Community College	$ 55,279.35	$ 50.00	$ 55,445.15	$ (55,329.35)	$ 55,445.15
7237100000	8302337726	Guam Memorial Hospital	$ 39,980.94		$ 40,013.88	$ (39,980.94)	$ 40,013.88
8426836906	8426836906	Guam Memorial Hospital (NET METERED)	$ 154,367.30		$ 156,510.82	$ (154,367.30)	$ 156,510.82
9137100000	4474308144	Port Authority of Guam	$ 92,555.45		$ 102,950.18	$ (92,555.45)	$ 102,950.18
9157510000	9157510000	Guam Community College (NET METERED)	$ 39,055.67		$ 39,144.24	$ (39,055.67)	$ 39,144.24
9173210000	9173210000	Guam Solid Waste Authority	$ 7,061.41		$ 7,527.02	$ (7,061.41)	$ 7,527.02
9337100000	0838495949	Guam Waterworks Authority	$ 1,402,866.03	$ (8,497.05)	$ 1,383,784.72	$ (1,402,866.03)	$ 1,375,287.67
8237100000	4075914809	GPA	$ -	$ (100,747.25)	$ 100,747.25		$ -
		Sub Total	**$ 2,613,900.07**	**$ (114,325.11)**	**$ 2,741,510.72**	**$ (2,625,469.53)**	**$ 2,615,616.15**
		(C) OTHERS					

0337100000	7541928173	Guam Legislature	$ 516.12		$ 488.12	$ (516.12)	$ 488.12
9503154359	9503154359	Guam Legislature (NET METERED)	$ 8,304.59		$ 8,657.65	$ (8,304.59)	$ 8,657.65
1237100000	8353274954	Superior Court of Guam	$ 67,623.84		$ 67,483.39	$ (67,623.84)	$ 67,483.39
2537100000	8108458168	Guam Post Office (Agana)	$ 6,545.82		$ 6,076.24	$ (6,545.82)	$ 6,076.24
2570200000	8972267005	Customs & Quarantine Agency	$ 571.74		$ 638.64	$ (571.74)	$ 638.64
3537100000	4530787043	U.S. Post Office	$ 41,590.92		$ 40,640.66	$ (41,590.92)	$ 40,640.66
5537100000	8607446612	Dept. of Military Affairs	$ 157,970.94	$ 595.47	$ 81,658.79	$ (157,970.94)	$ 82,254.26
3209463043	3209463043	Dept. of Military Affairs (NET METERED)	$ 35,878.41	$ 135.42	$ 18,119.82	$ (35,878.41)	$ 18,255.24
5737100000	6000770566	KGTF	$ 7,545.39	$ 56.59	$ 6,702.21		$ 14,304.19
7281000000	6602566745	Tamuning Post Office	$ 5,103.61		$ 5,203.17	$ (5,103.61)	$ 5,203.17
		Sub Total	**$ 331,651.38**	**$ 787.48**	**$ 235,668.69**	**$ (324,105.99)**	**$ 244,001.56**
		GRAND TOTAL	**$ 6,275,303.02**	**$ (90,819.89)**	**$ 5,165,559.30**	**$ (3,420,609.67)**	**$ 7,929,432.76**

Annual Financial Review

Consolidated Commission on Utilities

November 21, 2019

Performance Summary

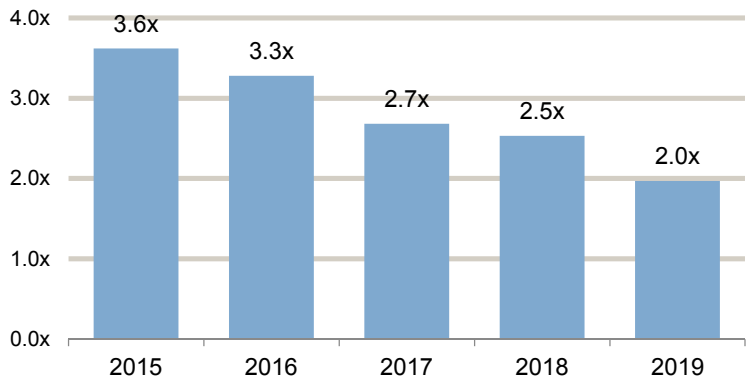
Pro-Forma Statement of Operations ('000)	Unaudited 2019	Proposed 2019	Variance to Budget
Revenue			
Sale of Electricity:			
Base Revenue	$ 160,866	$ 165,002	$ (4,136)
Fuel Revenue	238,868	272,011	(33,143)
Miscellaneous	3,219	2,020	1,199
Provision for bad debt	(1,098)	(1,098)	-
Total Operating Revenues	**401,855**	**437,935**	**(36,080)**
Production Fuel	238,868	272,011	33,143
Energy Conversion Cost	13,967	16,168	2,201
Operating and Maintenance	66,858	76,865	10,007
Depreciation & Amortization	37,344	42,016	4,672
Total operating expenses	**357,037**	**407,060**	**50,023**
Earnings from Operations	**44,818**	**30,875**	**(13,943)**
Non-operating revenues (expense)			
Interest/Other Income (Expense)	(25,031)	(22,872)	(2,159)
Change in Net Position	**$ 19,787**	**$ 8,003**	**11,784**

Electric Sales Information

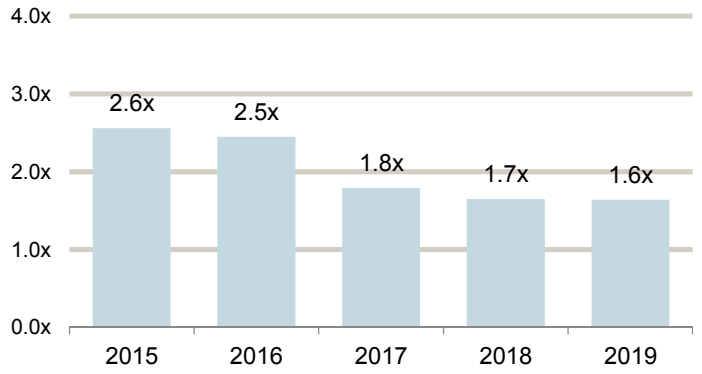
	2013	2014	2015	2016	2017	2018	2019
Peak Demand (MW)	257	249	255	258	261	254	255
Total Electric Sales (gWh)	1,566	1,533	1,540	1,574	1,610	1,567	1,568
Sales Growth (%)	0.2	-0.2	0.4	2.2	2.3	-2.7%	0.1%
Total Customers	48,598	48,918	49,530	50,207	51,114	51,372	51,977

Historical Debt Service Coverage

Senior DSC - Indenture



Aggregate DSC – Capital Lease Payments as O&M Expense



Investment Grade Credit

Credit Summary		
Long-Term Senior Debt	**Rating**	**Long-Term Outlook**
Standard & Poor's	BBB	Stable
Moody's Rating	Baa2	Stable
Fitch Rating	BBB-	Stable

GPA Resolution No. 2019-15

Relative to Approving of the Creation of the SCADA Position Series

What is the project's objective and is it necessary and urgent?
The installation and utilization of GPA's Supervisory Control and Data Acquisition (SCADA) system significantly changed the GPA's Power System Control Center's processes and structure. Current employees holding Computer Technician series positions are performing technically distinct SCADA duties. The Authority seeks to create new positions to reflect its current processes and structure.

Where is it at?
The SCADA position series will be utilized by the Power Systems Control Center.

How much will it cost?
The job series creation is not expected to exceed the current budget.

When will it be completed?
December 30, 2019.

What is its funding source?
Revenue funds.

The RFP/BID responses:
Not applicable.

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

RESOLUTION NO. 2019-15

RELATIVE TO APPROVING OF THE CREATION OF THE SCADA POSITION SERIES

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

WHEREAS, the Guam Power Authority ("GPA") is a Public Corporation established and existing under the laws of Guam; and

WHEREAS, GPA upgraded its power system control center to a Supervisory Control and Data Acquisition ("SCADA") system that connects decentralized power generation assets, allowing remote management and monitoring functions; and

WHEREAS, GPA reviewed the standards of the current employee positions operating its SCADA system and determined it is necessary to create a series of SCADA positions to support the utility; and

WHEREAS, the GPA General Manager requests the CCU to approve the creation of the SCADA Technician I, II, Leader and Supervisor positions (Exhibit A); and

WHEREAS, the GPA General Manager requests the CCU to approve the classification standard of the SCADA Technician I, II, Leader and Supervisor positions in the classified status; and

WHEREAS, Public Law 28-112 and 4 G.C.A. §6303(d) authorizes the creation in Autonomous Agencies and Public Corporations; and

WHEREAS, GPA Personnel Rules & Regulations as amended by Public Law 28-159 authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions; and

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

1. The recitals set forth above hereby constitute the findings of the CCU.

2. The creation and the job classification standard for the SCADA Technician I, II, Leader and Supervisor positions in the classified status is hereby approved and attached herein as Exhibit A.

3. The SCADA Technician I, II, Leader and Supervisor positions are hereby added to the Certified, Technical and Professional list of positions at GPA and GWA.

4. The authorization of the SCADA Technician I, II, Leader and Supervisor positions shall become effective December 30, 2019.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 26th DAY OF NOVEMBER 2019.

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

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

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

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

GUAM POWER AUTHORITY

POSTING OF CREATION
OVERALL TIMELINES (10-Day)
Chapter 6, §6303(d), §6303.1, 4GCA
SCADA Technician I, II, Leader & Supervisor

Date Posted on GPA Website	**10/11/19**
*Saturdays, Sundays & GovGu holidays excepted	
10-Day Time -	**10**
Final Day of Posting	**10/25/19**
Media notification by PIO:	**10/30/19**
Government meeting notification by Lou Sablan:	**11/13/19**
	11/18/19

Sandra D. Perez, Personnel Services Administrator

This is to certify that the Human Resources Division has complied with all the posting requirements set forth in §6303 (d) and §6303.1 of Title 4 GCA.

xx.xxx

SCADA TECHNICIAN I
(Proposed Creation)

NATURE OF WORK IN THIS CLASS:

Performs semi-skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Assists in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Assists in the installation, testing and maintenance of Remote Terminal Units (RTU), which includes all necessary cabling.

Assists in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Assists in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, calibration and maintenance of various communication networks and its components, which includes but is not limited to fiber optics, category 5, serial data, etc.

Respond to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems) to maintain SCADA/EMS operations.

Assists with repair tasks requiring a high degree of skill in the SCADA related field.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, RTU and other devices.

Knowledge of computer hardware & software.

Ability to apply safe work practices on the job.

"Exhibit A"

SCADA TECHNICIAN I **xx.xxx**
(PROPOSED CREATION)
PAGE 2 OF 2

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively with the public and employees.

Ability to understand and follow oral and written instructions.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. One (1) year experience in the installation, operation, maintenance, repair and upgrade of SCADA/EMS related computer servers and remote terminal units;

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

Established:

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

XX.XXX

SCADA TECHNICIAN II
(Proposed Creation)

NATURE OF WORK IN THIS CLASS:

Performs skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Perform skilled work in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Perform skilled work in the installation, testing and maintenance of Remote Terminal Units (RTU) which includes all necessary cabling.

Performs skilled work in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Performs skilled work in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, calibration and maintenance of various communication networks and its components, which includes but is not limited to fiber optics, category 5, serial data, etc.

Respond to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems) to maintain SCADA/EMS operations.

Maintains databases for proper maintenance of SCADA/EMS, RTU and transducer equipment.

Perform repair tasks requiring a high degree of skill in the SCADA related field.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, RTU and other devices.

SCADA TECHNICIAN II **xx.xxx**
(PROPOSED CREATION)
PAGE 2 OF 2

Knowledge of computer hardware & software.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. Four (4) years of experience in the installation, maintenance, repair and upgrade of SCADA/EMS related computer servers and remote terminal units; or

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

Established:

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

xx.xxx

SCADA TECHNICIAN LEADER
(Proposed Creation)

NATURE OF WORK IN THIS CLASS:

Leads and performs skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Leads and performs skilled work in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Leads and performs skilled work in the installation, testing and maintenance of Remote Terminal Units (RTU) which include all necessary cabling.

Leads and performs skilled work in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Leads and performs skilled work in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, and maintenance of various communication networks and its components, which include but are not limited to fiber optics, category 5, serial data, etc.

Responds to emergency calls to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters, and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters, and other system problems) to maintain SCADA/EMS operations.

Assist supervisor with the preparation of budget plans for SCADA/EMS system requirements.

Perform repair tasks requiring a high degree of skill in the SCADA related trade.

Maintain databases for proper maintenance of SCADA/EMS, RTU, transducer and other SCADA related equipment.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment

used in the installation, maintenance and repair of SCADA/EMS related computer servers, workstations, networks, uninterrupted power supplies, RTU and other devices.

Knowledge of computer hardware & software.

Ability to lead the work of others.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

Skill in computer equipment repair work.

MINIMUM EXPERIENCE AND TRAINING:

A. Five (5) years of experience in the installation, operation, programming, maintenance, repair and upgrade of SCADA/EMS related computer servers and RTU and one (1) year at the skilled level; or

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

Established:

JOSEPH T. DUENAS, II, Chairman
Consolidated Commission on Utilities

xx.xxx

SCADA TECHNICIAN SUPERVISOR
(Proposed Creation)

NATURE OF WORK IN THIS CLASS:

Supervises and participates in the installation, operation, maintenance and upgrade of a real-time supervisory control and data acquisition (SCADA) system to accurately and consistently monitor and control the electric utility system or water/wastewater system.

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

Supervises the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Supervises the installation, testing and maintenance of the substation Digital Automations Platform (DAP) servers.

Supervises the installation, testing, calibration and maintenance of telemetry transducers.

Participates in the installations, testing and maintenance of various communication networks and its components, which include but is not limited to, fiber optics, category 5, serial data, etc.

Responds to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters, other system problems).

Works during adverse system conditions and natural disasters, other system problems) to maintain SCADA/EMS operations.

Prepares budget plans for SCADA/EMS system requirements.

Prepares work plans for short-term (daily, weekly, monthly) and long-term duration (annual).

Develops and maintains databases for proper maintenance of SCADA/EMS, RTU and transducer equipment.

Performs repair tasks requiring a high degree of skill in the SCADA related trade, as needed.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, workstations, networks, Uninterrupted Power Supply (UPS), RTU and other devices.

SCADA TECHNICIAN SUPERVISOR **xx.xxx**
(PROPOSED CREATION)
PAGE 2 OF 2

Knowledge of computer hardware & software.

Ability to supervise the work of others.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. Six (6) years of experience in the installation, operation, programming, maintenance, repair and upgrade of SCADA/EMS related computer servers, workstations, networks, UPS and RTU and two (2) years at the skilled level; or

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

Established:

JOSEPH T. DUENAS, II, Chairman
Consolidated Commission on Utilities

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

RESOLUTION NO. 2019 - 16

AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE GUAM PUBLIC UTILITIES COMMISSION FOR 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 December 15, 2019; and

WHEREAS, for the LEAC period covered from August 1, 2019 through January 31, 2020, GPA requested to maintain the LEAC rate of $0.154242/kWh that was approved for meters read on or after May 1, 2018 in anticipation of projected declining prices of black oil in the fuel market and to recover about 30% of the under-recovery at the end of the period; and

WHEREAS, the average market price of residual fuel oil and diesel to be used in the initial filing for the current period was approved at $78.61/bbl for the (6) six-month period ending January 31, 2020, the current projection for the same period is $77.06/bbl. The projected average price of residual fuel oil and diesel for the period ending February 1, 2020 to July 31, 2020 is $65.71/bbl; and

WHEREAS, the most recent Morgan Stanley market projections indicate falling fuel prices over the next year. However, according to S&P Global Platts, “OPEC and its allies are leaning towards their 1.2 billion b/d supply cut agreement through the end of 2020” in the hopes

of boosting the global economy. Based on this information, GPA anticipates an increase in fuel price by 15% from the current market; and

WHEREAS, under this proposal, GPA will fully recover the current under- recovery of about $9.3 million based on the Morgan Stanley Asia Morning Call forward pricing for the period of February 1, 2020 to July 31, 2020 adjusted with anticipated 15% increase in price due to continued supply cut agreement by OPEC. Under this approach, the projected LEAC rate for Secondary voltage customers is $0.138542/kWh or a 10.18% decrease from the current LEAC rate; and

WHEREAS, an estimated $1.5 million is included for costs associated with the Demand Side Management rebate program which has an estimated impact of $0.002/kWh for the anticipated LEAC period. DSM under LEAC represents a 1.48% of the anticipated fuel cost for the 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:

1. 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 $0.138542/kWh effective for the period from February 1, 2020 to July 31, 2020. (LEAC factors for alternative voltage levels are as reflected in the attached spreadsheets in the attached Exhibit A.)

2. The General Manager is authorized to petition the Guam Public Utilities Commission to include DSM funding in this LEAC period as shown in the attached Exhibit A.

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

DULY and REGULARY ADOPTED this 26 th day of November 2019.

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: _____

Nays: _____

Abstentions: _____

Absent: _____

EXHIBIT A

GPA
Proposed LEAC Rate ($000)

		Full Recovery At Current MS Forward Pricing + 7.5 % Movement up with DSM Eff 2/01/2020	Full Recovery At Current MS Forward Pricing + 7.5 % Movement up without DSM Eff 2/01/2020
2	Average Price per Bbl-RFO	$ 51.05	$ 51.05
2	Average Price per Bbl-Diesel	$ 89.77	$ 89.77
4	Number 6 (HSFO/LSFO)	$ 49,828	$ 49,828
5	Number 2 (Diesel)	34,758	34,758
6	Renewable (Solar)	5,575	5,575
7	TOTAL COST	$ 90,162	$ 90,162
8	Handling Costs	5,906	5,906
9	Total Current Fuel Expense	$ 96,068	$ 96,068
10	Civilian Allocation	81.62%	81.62%
11	LEAC Current Fuel Expense	$ 78,410	$ 78,410
12	Estimated DSM for this period	$ 1,500	$ -
13	Deferred Fuel Expense at the beginning of the period	4,222	4,222
14	Total LEAC Expense	$ 84,132	$ 82,632
15	Less: Trans. Level Costs	(4,967)	(4,878)
16	Distribution Level Costs	$ 79,165	$ 77,754
17	Under recovery at the end of the period	$ -	$ -
18	Adjusted Distribution Level Costs	$ 79,165	$ 77,754
19	Distribution Level Sales (mWh)	603,646	603,646
20	LEAC Factor Distribution	0.131145	0.128807
21	Current LEAC Factor Distribution	0.154242	0.154242
22	Increase/(Decrease)	(0.02310)	(0.02543)
23	Monthly Increase/(Decrease) - 1000 kWh	$ (23.10)	$ (25.43)
24	% Increase/(Decrease) in LEAC	-14.97%	-16.49%
25	% Increase/(Decrease) in Total Bill	-9.28%	-10.22%
26	Discount (3%) - Primary 13.8 KV	0.127197	0.124929
27	Discount (4%) - 34.5 KV	0.126831	0.124569
28	Discount (5%) - 115 KV	0.125269	0.123036

Notes: This LEAC filing reflects the actual under recovery through September 30, 2019 and the average forward pricing from November 7-13, 2019.

Full Recovery including DSM

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		$ 154.24	$ 124.06	$ (30.18)
TOTAL Bill		**$ 248.85**	**$ 218.67**	**$ (30.18)**
Increase (Decrease) From Current Bill			$ (30.18)	
Percent Increase (Decrease)			**-12.13%**	
Increase (Decrease) From Current Leac Factor			$ (30.18)	
Percent Increase (Decrease)			**-19.57%**	

Full Recovery NOT including DSM

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		$ 154.24	$ 121.73	$ (32.52)
TOTAL Bill		**$ 248.85**	**$ 216.33**	**$ (32.52)**
Increase (Decrease) From Current Bill			$ (32.52)	
Percent Increase (Decrease)			**-13.07%**	
Increase (Decrease) From Current Leac Factor			$ (32.52)	
Percent Increase (Decrease)			**-21.08%**	

Full Recovery including DSM with 15% Movement Up

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		$ 154.24	$ 138.54	$ (15.70)
TOTAL Bill		**$ 248.85**	**$ 233.15**	**$ (15.70)**
Increase (Decrease) From Current Bill			$ (15.70)	
Percent Increase (Decrease)			**-6.31%**	
Increase (Decrease) From Current Leac Factor			$ (15.70)	
Percent Increase (Decrease)			**-10.18%**	

Full Recovery NOT including DSM with Movement Up

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		$ 154.24	$ 136.20	$ (18.04)
TOTAL Bill		**$ 248.85**	**$ 230.81**	**$ (18.04)**
Increase (Decrease) From Current Bill			$ (18.04)	
Percent Increase (Decrease)			**-7.25%**	
Increase (Decrease) From Current Leac Factor			$ (18.04)	
Percent Increase (Decrease)			**-11.69%**	

EXHIBIT A

GPA
Proposed LEAC Rate ($000)

		Full Recovery At Current MS Forward Pricing + 7.5 % Movement up with DSM Eff 2/01/2020	Full Recovery At Current MS Forward Pricing + 7.5 % Movement up without DSM Eff 2/01/2020
2	Average Price per Bbl-RFO	$ 51.05	$ 51.05
2	Average Price per Bbl-Diesel	$ 89.77	$ 89.77
4	Number 6 (HSFO/LSFO)	$ 49,828	$ 49,828
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6	Renewable (Solar)	5,575	5,575
7	TOTAL COST	$ 90,162	$ 90,162
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9	Total Current Fuel Expense	$ 96,068	$ 96,068
10	Civilian Allocation	81.62%	81.62%
11	LEAC Current Fuel Expense	$ 78,410	$ 78,410
12	Estimated DSM for this period	$ 1,500	$ -
13	Deferred Fuel Expense at the beginning of the period	4,222	4,222
14	Total LEAC Expense	$ 84,132	$ 82,632
15	Less: Trans. Level Costs	(4,967)	(4,878)
16	Distribution Level Costs	$ 79,165	$ 77,754
17	Under recovery at the end of the period	$ -	$ -
18	Adjusted Distribution Level Costs	$ 79,165	$ 77,754
19	Distribution Level Sales (mWh)	603,646	603,646
20	LEAC Factor Distribution	**0.131145**	**0.128807**
21	Current LEAC Factor Distribution	0.154242	0.154242
22	Increase/(Decrease)	(0.02310)	(0.02543)
23	Monthly Increase/(Decrease) - 1000 kWh	$ (23.10)	$ (25.43)
24	% Increase/(Decrease) in LEAC	-14.97%	-16.49%
25	% Increase/(Decrease) in Total Bill	-9.28%	-10.22%
26	Discount (3%) - Primary 13.8 KV	**0.127197**	**0.124929**
27	Discount (4%) - 34.5 KV	**0.126831**	**0.124569**
28	Discount (5%) - 115 KV	**0.125269**	**0.123036**

Notes: This LEAC filing reflects the actual under recovery through September 30, 2019 and the average forward pricing from November 7-13, 2019.

Full Recovery including DSM with 7.5% Movement Up

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		$ 154.24	$ 131.15	$ (23.10)
TOTAL Bill		**$ 248.85**	**$ 225.75**	**$ (23.10)**
Increase (Decrease) From Current Bill			$ (23.10)	
Percent Increase (Decrease)			**-9.28%**	
Increase (Decrease) From Current Leac Factor			$ (23.10)	
Percent Increase (Decrease)			**-14.97%**	

Full Recovery NOT including DSM with 7.5% Movement Up

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		$ 154.24	$ 128.81	$ (25.44)
TOTAL Bill		**$ 248.85**	**$ 223.41**	**$ (25.44)**
Increase (Decrease) From Current Bill			$ (25.43)	
Percent Increase (Decrease)			**-10.22%**	
Increase (Decrease) From Current Leac Factor			$ (25.44)	
Percent Increase (Decrease)			**-16.49%**	

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issues for Decision

Resolution No. 2019-016

Relative to LEAC

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

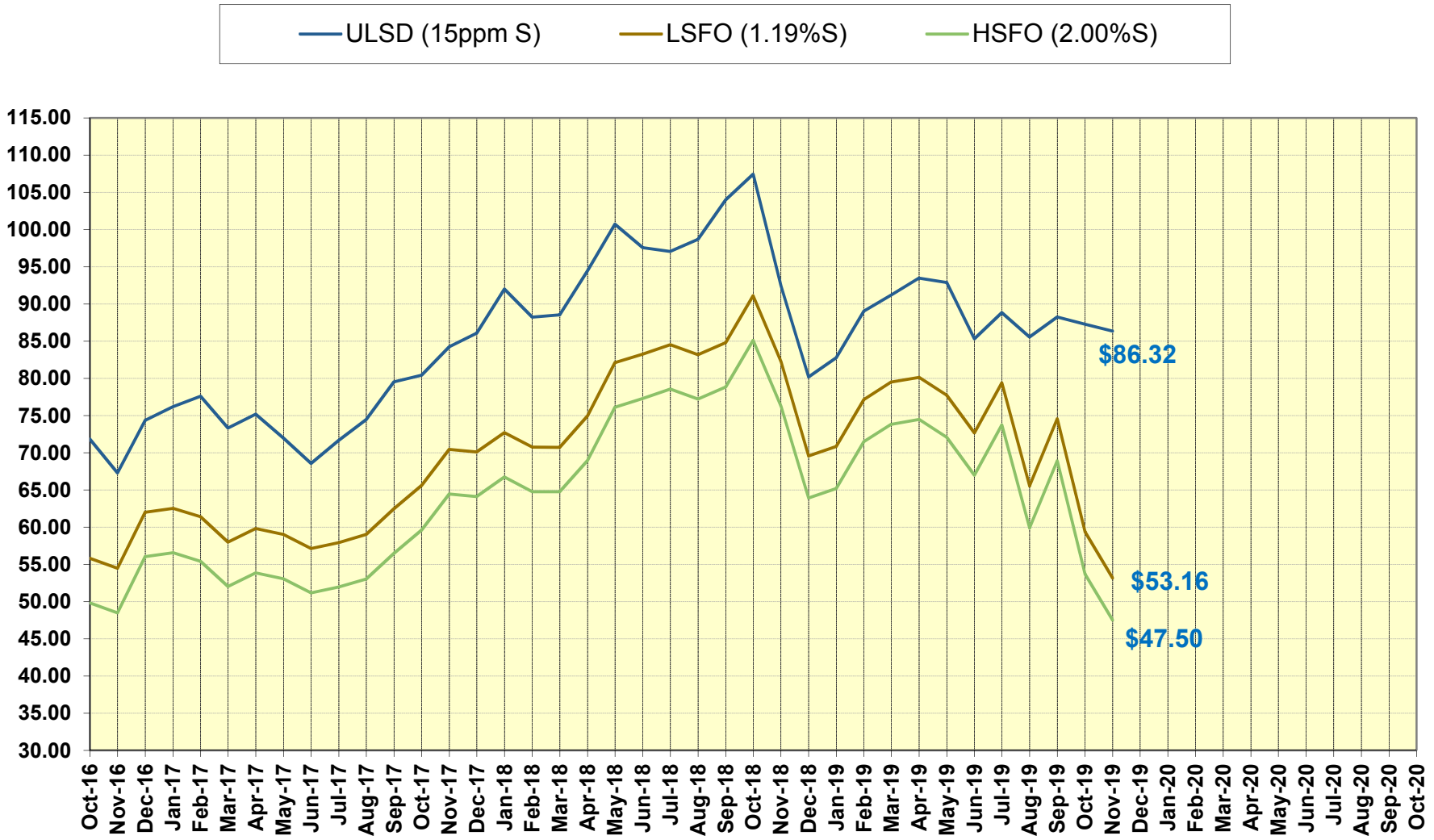
The Guam Public Utilities Commission (GPUC) has established a Tariff under which the Guam Power Authority (GPA) is allowed to recover its fuel costs and fuel related costs under a factor which is reset and trued up every (6) six months through the Levelized Energy Adjustment Clause (LEAC). The deadline for the next filing is December 15, 2019. For the LEAC period covered from August 1, 2019 through January 31, 2020, GPA requested to maintain the LEAC rate of $0.154242/kWh that was approved for meters read on or after May 1, 2018 in anticipation of projected declining prices of black oil in the fuel market and to recover about 30% of the under-recovery at the end of the period. The average market price of residual fuel oil and diesel to be used in the initial filing for the current period was approved at $78.61/bbl for the (6) six-month period ending January 31, 2020, the current projection for the same period is $77.06/bbl. The projected average price of residual fuel oil and diesel for the period February 01, 2020 to July 31, 2020 is $65.71/bbl.

The most recent Morgan Stanley market projections indicate falling fuel prices over the next year. However, according to S&P Global Platts, "OPEC and its allies are leaning towards their 1.2 billion b/d supply cut agreement through the end of 2020" in the hopes of boosting the global economy. Based on this information, GPA anticipates an increase in fuel price by 15% from the current market. Under this proposal, GPA will fully recover the current under-recovery of about $9.3 million based on the Morgan Stanley Asia Morning Call forward pricing for the period of February 1, 2020 to July 31, 2020 adjusted with anticipated 15% increase in price due to continued supply cut agreement by OPEC. Under this approach, the projected LEAC rate for Secondary voltage customers is $0.138542/kWh or a 10.18% decrease from the current LEAC rate. An estimated $1.5 million is included for costs associated with the Demand Side Management rebate program which has an estimated impact of $0.002/kWh for the anticipated LEAC period. DSM under LEAC represents a 1.48% of the anticipated fuel cost for the period.

How much will it cost?

The projected LEAC rate for Secondary voltage customers is $0.138542/kWh or a 10.18% decrease from the current LEAC rate

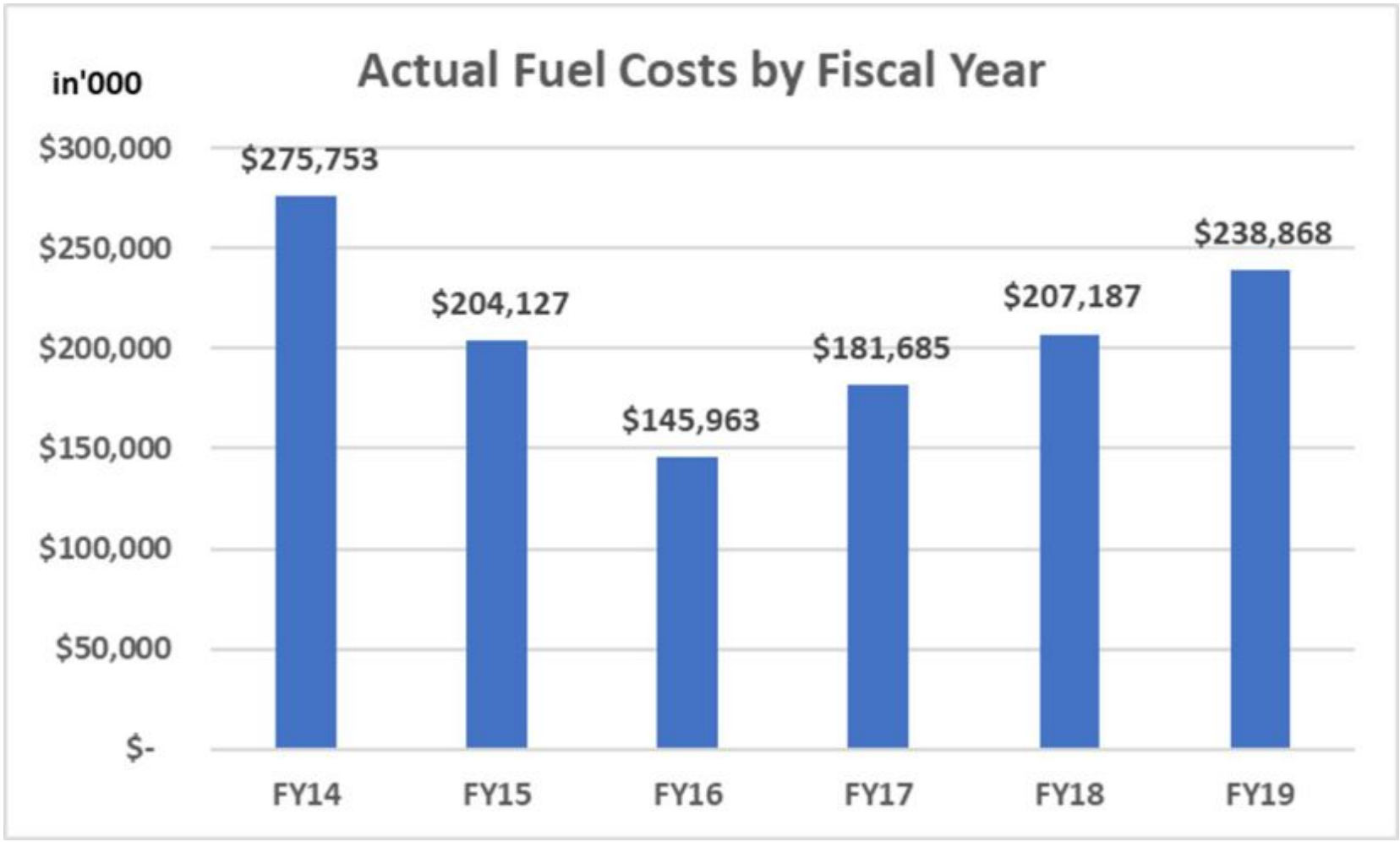
LEAC – Fuels-Landed Cost



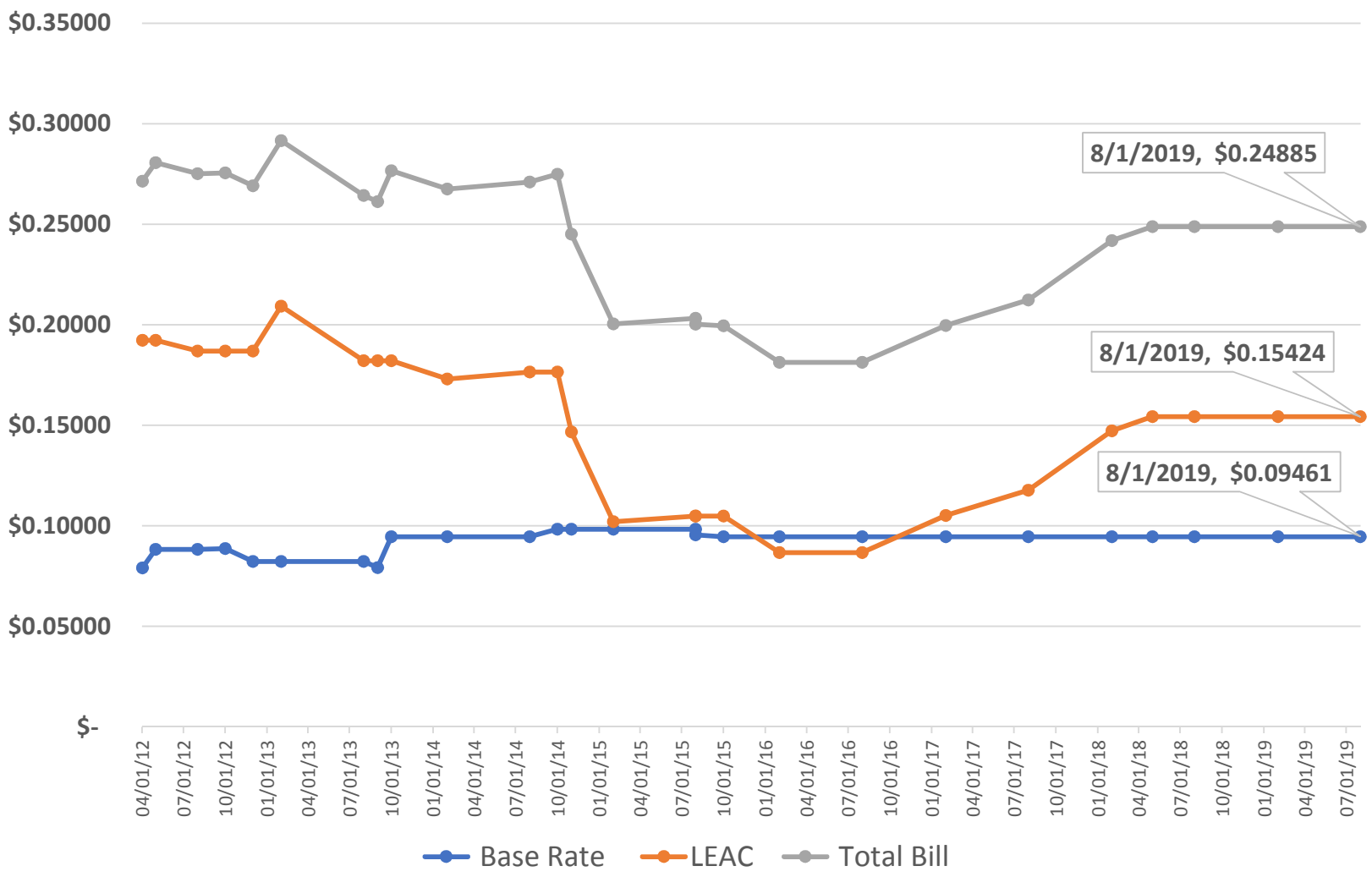
LEAC Update - GPA Fuel Purchases (Per Barrel)



LEAC Update - Fuel Cost by Fiscal Year



Historical Residential Rate



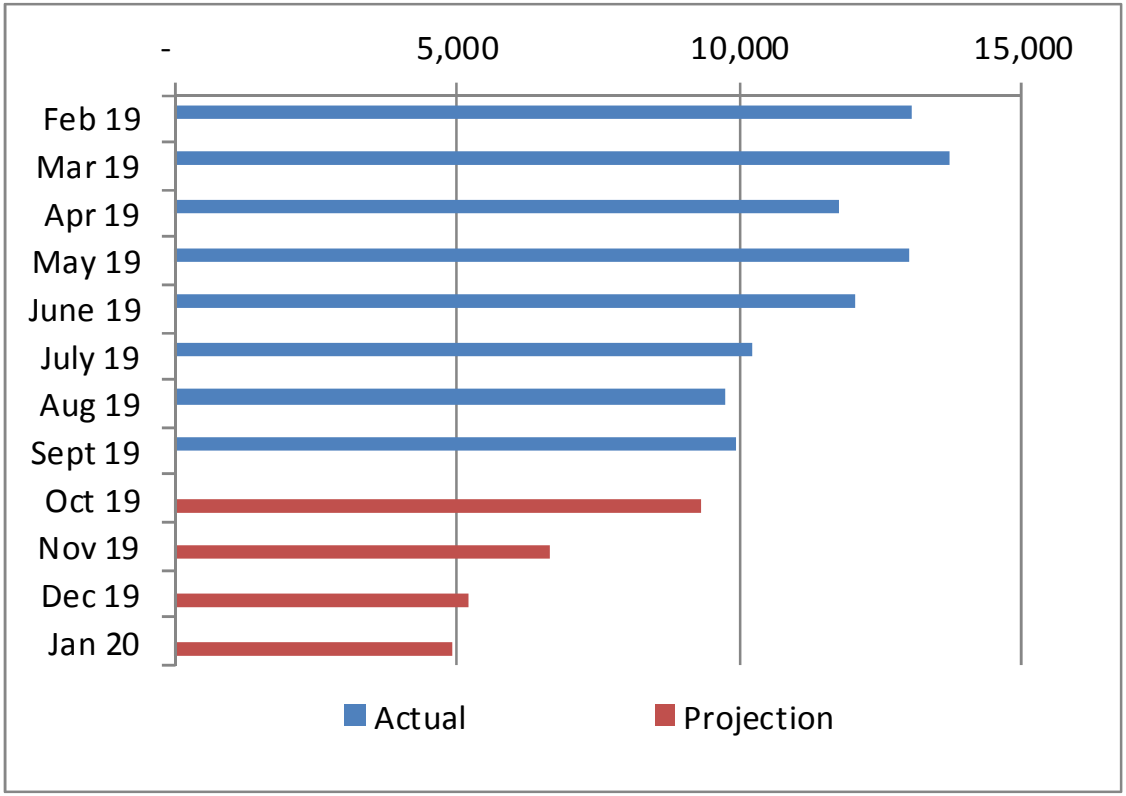
Historical LEAC Over (Under) Recovery

LEAC Period From	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	$ (4,900,761)	Estimate

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

LEAC Under Recovery Balances

LEAC



LEAC

(Unearned)/ Under Recovered	Actual	Projection
Feb 19	13,052	
Mar 19	13,691	
Apr 19	11,754	
May 19	12,976	
June 19	12,020	
July 19	10,225	
Aug 19	9,722	
Sept 19	9,944	
Oct 19		9,338
Nov 19		6,641
Dec 19		5,220
Jan 20		4,901

LEAC – Estimate @ Current and 15% Market Movement

Proposed Effective 02/1/2020	Current Market with DSM	Current Market without DSM	Difference	15% Market Movement Up With DSM	15% Market Movement Up Without DSM	Difference
1. Average Price per Bbl-RFO	$ 48.15	$ 48.15	$ -	$ 53.95	$ 53.95	$ -
2. Average Price per Bbl-Diesel	$ 84.20	$ 84.20	$ -	$ 95.33	$ 95.33	$ -
3. **Proposed LEAC**	**$ 0.124064**	**$ 0.121726**	**$0.002338**	**$ 0.138542**	**$ 0.136204**	**$ 0.002338**
4. Monthly (Decrease) - 1000 kWh	$ (30.18)	$ (32.52)	$ 2.34	$ (15.70)	$ (18.04)	$ 2.34
5. % (Decrease) in LEAC	-19.57%	-21.08%	1.52%	-10.18%	-11.69%	1.52%
6. %(Decrease) in Total Bill	-12.13%	-13.07%	0.94%	-6.31%	-7.25%	0.94%
7. Under (Over) recovery at the end of the period	-			-		

Bill Illustration @ Full Recovery Including DSM

Proposed LEAC Factor: $ 0.124064

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		$ 154.24	$ 124.06	$ (30.18)
TOTAL Bill		**$ 248.85**	**$ 218.67**	**$ (30.18)**
Increase (Decrease) From Current Bill			$ (30.18)	
Percent Increase (Decrease)			**-12.13%**	
Increase (Decrease) From Current LEAC Factor			$ (30.18)	
Percent Increase (Decrease)			**-19.57%**	

Bill Illustration @ Full Recovery Without DSM

Proposed LEAC Factor: $0.121726

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		$ 154.24	$ 121.73	$ (32.52)
TOTAL Bill		**$ 248.85**	**$ 216.33**	**$ (32.52)**
Increase (Decrease) From Current Bill			$ (32.52)	
Percent Increase (Decrease)			**-13.07%**	
Increase (Decrease) From Current LEAC Factor			$ (32.52)	
Percent Increase (Decrease)			**-21.08%**	

Bill Illustration @ Full Recovery Including DSM with 15% Movement Up

Proposed LEAC Factor: $0.138542

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		$ 154.24	$ 138.54	$ (15.70)
TOTAL Bill		**$ 248.85**	**$ 233.15**	**$ (15.70)**
Increase (Decrease) From Current Bill			$ (15.70)	
Percent Increase (Decrease)			**-6.31%**	
Increase (Decrease) From Current LEAC Factor			$ (15.70)	
Percent Increase (Decrease)			**-10.18%**	

Bill Illustration @ Full Recovery Without DSM with 15% Movement Up

Proposed LEAC Factor: $0.136204

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		$ 154.24	$ 136.20	$ (18.04)
TOTAL Bill		**$ 248.85**	**$ 230.81**	**$ (18.04)**
Increase (Decrease) From Current Bill			$ (18.04)	
Percent Increase (Decrease)			**-7.25%**	
Increase (Decrease) From Current LEAC Factor			$ (18.04)	
Percent Increase (Decrease)			**-11.69%**	

LEAC - Estimate @ 7.5% Market Movement

Proposed Effective 02/1/2020	7.5% Market Movement Up With DSM	7.5% Market Movement Up Without DSM
1. Average Price per Bbl-RFO	$ 51.05	$ 51.05
2. Average Price per Bbl-Diesel	$ 89.77	$ 89.77
3. **Proposed LEAC**	**$ 0.131145**	**$ 0.1288807**
4. Monthly (Decrease) - 1000 kWh	$ (23.10)	$ (25.43)
5. % (Decrease) in LEAC	-14.97%	-16.49%
6. %(Decrease) in Total Bill	-9.28%	-10.22%
7. Under (Over) recovery at the end of the period	-	

Bill Illustration @ Full Recovery Including DSM with 7.5% Movement Up

Proposed LEAC Factor: $0.131145

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		**$ 154.24**	$ 131.15	$ (23.10)
TOTAL Bill		**$ 248.85**	**$ 225.75**	**$ (23.10)**
Increase (Decrease) From Current Bill			$ (23.10)	
Percent Increase (Decrease)			**-9.28%**	
Increase (Decrease) From Current LEAC Factor			$ (23.10)	
Percent Increase (Decrease)			**-14.97%**	

Bill Illustration @Full Recovery Without DSM with 7.5% Movement Up

Proposed LEAC Factor: $0.1288807

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		$ 154.24	$ 128.81	$ (25.44)
TOTAL Bill		**$ 248.85**	**$ 223.41**	**$ (25.44)**
Increase (Decrease) From Current Bill			$ (25.43)	
Percent Increase (Decrease)			**-10.22%**	
Increase (Decrease) From Current LEAC Factor			$ (25.43)	
Percent Increase (Decrease)			**-16.49%**	

LEAC - Estimate @ 5.7% Market Movement

Proposed Effective 02/1/2020	5.7% Market Movement Up With DSM	5.7% Market Movement Up Without DSM
1. Average Price per Bbl-RFO	$ 50.36	$ 50.36
2. Average Price per Bbl-Diesel	$ 88.43	$ 88.43
3. **Proposed LEAC**	**$ 0.129370**	**$ 0.127032**
4. Monthly (Decrease) - 1000 kWh	$ (24.87)	$ (27.21)
5. % (Decrease) in LEAC	-16.13%	-17.64%
6. %(Decrease) in Total Bill	-9.99%	-10.93%
7. Under (Over) recovery at the end of the period	-	

Bill Illustration @ Full Recovery Including DSM with 5.7% Movement Up

Proposed LEAC Factor: $0.129370

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		$ 154.24	$ 129.37	$ (24.87)
TOTAL Bill		**$ 248.85**	**$ 223.97**	**$ (24.87)**
Increase (Decrease) From Current Bill			$ (24.87)	
Percent Increase (Decrease)			**-9.99%**	
Increase (Decrease) From Current LEAC Factor			$ (24.87)	
Percent Increase (Decrease)			**-16.13%**	

Bill Illustration @ Full Recovery Without DSM with 5.7% Movement Up

Proposed LEAC Factor: $0.127032

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		$ 154.24	$ 127.03	$ (27.21)
TOTAL Bill		**$ 248.85**	**$ 221.64**	**(27.21)**
Increase (Decrease) From Current Bill			$ (27.21)	
Percent Increase (Decrease)			**-10.93%**	
Increase (Decrease) From Current LEAC Factor			$ (27.21)	
Percent Increase (Decrease)			**-17.64%**	

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
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Issues for Decision

Resolution No. 2019-17

Relative to Authorizing the Solicitation of a Performance Management Contract for GPA's Cabras Units #1 and #2 Steam Turbine Power Plant

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

GPA's current PMC contract expires on September 30, 2020 and no more options for extension as the maximum extension of 5 years past the base period will be reached by the same date. Although CCU approval has been approved for another year, PUC only approved the extension up to September 30, 2020.

GPA's new power plant and the new renewable energy contracts are expected to be placed online end of 2022. Therefore, to ensure adequate installed capacity to meet the MW demand on island, GPA would need to continue operating and maintaining the Cabras Power Plants at least until the new power plant is online.

The term of the new contract will start in October 2020, for a base period of three years with the last year of the base contract in 2023 designated as the commencement of de-activation and/or decommissioning planning and activities. There is an option to extend for two (2) additional 1-year extension if deemed necessary.

Where is at?
Cabras Units #1 and #2 Steam Turbine Power plant

How much will it Cost?
Historical Costs are as follows:
Fixed Management Fees - $1.6M - $1.76M per year, total of $6,730,682.61 for the past 4 years

What is its funding Source?
Revenue Funds (O&M)

When will it be completed?
The anticipated schedule is as follows:

Contract Commencement:	October 1, 2020
Contract Base Period End:	September 30, 2023
Optional Extension Year 1:	Oct 2023 – Sept 2024
Optional Extension Year 2:	Oct 2024 – Sept 2025

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

GPA RESOLUTION NO. 2019-17

RELATIVE TO AUTHORIZING THE SOLICITATION OF A PERFORMANCE MANAGEMENT CONTRACT FOR GPA'S CABRAS UNITS #1 AND #2 STEAM TURBINE POWER PLANT

WHEREAS, the Guam Power Authority (GPA) had a five-year Performance Management Contract (PMC) for the Management, Operation and Maintenance of the Cabras 1&2 Steam Turbine Power Plant awarded to TEMES, that commenced in October 2010; and

WHEREAS, the PMC awarded to TEMES expired on Sept. 30, 2015 through Resolution 2015-35 and was approved for extension up to December 31, 2015; and

WHEREAS, the PMC was subsequently approved for another extension through December 30, 2016 through Resolution 2015-62A; and

WHEREAS, through CCU Resolution 2016-62, the Authority was approved to extend the Cabras 1&2 PMC Contract for another three years and nine months, up to September 30, 2020; including an optional extension year up to 2021; and

WHEREAS, through PUC Docket 17-09, the Authority was approved to extend the Cabras 1&2 PMC Contract for only another three years and nine months, up to September 30, 2020; and

WHEREAS, GPA's Phase II Renewable Resource Acquisition contracts are expected to start commercial operation by 3rd quarter of 2022; and

WHEREAS, GPA's new power plant was awarded in November 2019, and is expected to be placed in commercial operation in the 4th Quarter of 2022; and

WHEREAS, in order to ensure adequate installed capacity to meet the Megawatt demands of the island, the Cabras 1&2 Steam Turbine Power Plant must continue to be operated and maintained; and

WHEREAS, GPA plans to solicit for a new Performance Management Contract for the continued Management, Operation and Maintenance of the Cabras 1&2 Steam Turbine Power Plant, and also to plan for and conduct activities related to the power plant's de-activation and/or decommissioning.

WHEREAS, the term of the new contract will start in October 2020, for a base period of three years with the last year of the base contract in 2023 designated as the commencement of de-activation and/or decommissioning planning and activities. There is an option to extend for two (2) additional 1-year extensions if deemed necessary.

NOW, THEREFORE, BE IT RESOLVED, by the Consolidated Commission on Utilities, subject to the review and approval of the Public Utilities Commission, as follows:

1. The General Manager is authorized to request to solicit for a Performance Management Contract for GPA's Cabras Units #1 and #2 Steam Turbine Power Plant.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 26TH DAY OF NOVEMBER, 2019.

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

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

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

Ayes: _____
Nays: _____
Absent: _____
Abstain: _____

PERFORMANCE MANAGEMENT CONTRACT FOR THE GUAM POWER AUTHORITY CABRAS STEAM (UNITS #1 AND #2) POWER PLANT

Overview

NOVEMBER 2019

CCU AND PUC Approval

- CCU approved for extension up to 2020, with an option to extend up to 2021
- PUC approved extension only up to September 2020
  - Maximum contract period allowed
  - Base period Oct 2010 – Sept 2015, Extension for maximum of 5 years, up to Sept 2020
  - 1st Extension Sept 2015 – Dec 2015
  - 2nd Extension Jan 2016 – Dec 2016
  - Final Extension Jan 2017 – Sept 2020 (PUC Docket 17-09)

CONTRACT TERMS

- 3-Year Base Period
  - Year 1: FY 2021 (Oct2020-Sept2021) - Normal Operation
  - Year 2: FY 2022 (Oct2021-Sept2022) – Normal Operation
  - Year 3: FY 2023 (Oct2022-Sept2023) – Start Deactivation or run units at Normal Operation if necessary
- Two (2) optional 1-year extensions
  - Emergency options in case of sudden extended operations of power plant, delayed plant deactivation, or extended deactivation tasks
  - Can either continue normal operations if needed, or start de-activation, whichever is applicable

CONTRACT REQUIREMENTS

- Management, Operation & Maintenance of Cabras 1&2 Steam Power Plant
- Staff management **and augmentation**
- Budget management
- Procurement, Inventory Management & Control
- Plant Engineering
- Environmental Compliance, including requirements related to:
  - Consent Decree
  - State Implementation Plan
- Completion of **Critical Repairs and Major Maintenance Projects** *with emphasis on those required to assure unit is operating until GPA's new power plant is online*
- **Plant de-activation, de-commissioning and clean-up**
- **Maintain minimum EAF and GHR that will be required by GPA**

Items in **blue are additional or modifications from the current contract requirements, adjusted to meet GPA's changing operational requirements*

Technical / Functional Requirements

- Operations & Maintenance of power plants
  - Routine & Major Maintenance, Outage Planning, Root-cause Analysis
  - Structural and Civil Works, Facility Maintenance & Improvement
  - Management of Waste Oil Consumption and Waste Oil Facility
  - Maintaining Proper Water Quality
  - Maintenance of Transformer
- Communications and Reporting
  - Daily, weekly, monthly Performance Measurements (EAF, EFOR, EPDH, EUDH, Forced outage hours, outage details, generation, fuel consumption, heat rates, efficiencies, capacity factors)
  - Weekly and monthly project status
  - Monthly Expenditures
  - Personnel performance reviews
  - Inventory reports

Technical / Functional Requirements

- Plant Engineering and Technical Services
  - Project Management, Field Installation, Acceptance Testing
  - Identification of critical repairs needed to ensure availability, reliability
- Procurement
  - O&M Procurement Outsourcing, including for O&M supplies
  - Recommend/pre-qualify vendors
  - 3rd Party Outsource Contracts
- Inventory Management
  - Maintain required spare parts inventory, including quality of all stock items
  - Account for location of specialized tools and assets
  - Recommend tasks for inventory optimization, inventory proceedings

CONTRACT FEES

- Annual Management Fee
- O&M Budget

CONTRACT FEES

**** OPTIONAL AWARD ****

- De-activation / De-commissioning Plan

Bidder will be required to provide a de-activation/ de-commissioning plan.

GPA and contractor will finalize plan during the contract period; GPA may or may not choose to have PMC complete various de-activation tasks, however, PMC may be required to coordinate activities on behalf of GPA and/or complete de-activation tasks closely related to O&M (similar to how KEWP was task to de-activate Cabras 3&4).

CONTRACT FEES

**** OPTIONAL AWARD ****

- CIP and Major O&M Projects

GPA and the PMC will jointly discuss capital improvement projects, and major O&M activities. For any activity approved by GPA, PMC shall provide cost estimates and price quotes from at least three (3) qualified contractors or vendors (one of which can be the PMC) for GPA approval.

BID SCHEDULE

Table 1: Bid Schedule

Milestone	From	To
Bid Announcement	1/9/2020	1/23/2020
Bid Documents Available	1/9/2020	
Pre-Bid Conference	1/23/2020 9:00 AM	
Plant Tour	1/23/2020 1:00 PM	
Vendors Submit Questions	1/23/2020	2/13/2020
GPA Review and Answer Questions	2/13/2020	2/28/2020
Vendor Prepare Proposals	1/9/2020	3/17/2020
Cut Off Date for Receipt of Bid Documents	3/17/2020 at 2:00 PM	
Step One:		
Opening of Technical Proposal	3/17/2020 at 2:00 PM	
Evaluation by Committee	3/19/2020	4/3/2020
Determine & Notify Qualified Vendor	4/6/2020	4/21/2020
Step Two:		
Opening of Price Proposal	4/22/2020 at 9:00 AM	
Price Proposal Evaluation	4/23/2020	5/4/2020
Notification of Award	5/5/2020	5/20/2020
Contract Negotiations and Finalization	5/20/2020	7/10/2020
CCU & PUC Approval	5/20/2020	7/10/2020
Contract Approval & Award	7/10/2020	7/31/2020
Contract Signing	7/31/2020	
Contract Mobilization	8/1/2020	9/30/2020
Contract and Operational Commencement	10/1/2020	

End

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ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issues for Decision

Resolution No. 2019-18

Relative to Demand Side Management Funding

What is the project's objective and is it necessary and urgent?
This resolution seeks approval to fund the DSM Program under LEAC for the following reasons:

The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.

DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.

Similar to renewable energy, the DSM is predicated on the avoidance of fuel costs, and it also defers the need for capacity additions.

The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs through LEAC and all savings achieved credited to LEAC.

To date, annual energy fuel savings from the program is approximately 4,012,000 kWh, and demand reduction achieved from the program is approximately 3,108 kW.

Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.

How much will it cost?
PUC approval of GPA's recommendation results in DSM expenses being revenue neutral.

When will it be completed?
Upon approval of the Guam Public Utilities Commission

What is its current funding source?
Base Rate Revenues and Insurance Premium Savings.

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

RESOLUTION NO. 2019-18

AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE RECOMMENDATIONS FOR PLACING THE DEMAND-SIDE MANAGEMENT (DSM) PROGRAM EXPENSES UNDER LEAC

WHEREAS, the Guam Public Utilities Commission (PUC) established GPA Docket 13-14 in August 2013 to develop the GPA Demand-Side Management (DSM) program; and

WHEREAS, on February 26, 2015, the PUC approved GPA's plan to implement certain DSM programs, including Central AC, Ductless AC, Washer, and Dryer; and

WHEREAS, in its Order dated October 27, 2015, the PUC authorized GPA to utilize the sum of $1,806,014 from the Working Capital Fund (WCF) to pay for GPA's Demand Side Management (DSM) Program rebates and other related expenses; and

WHEREAS, furthermore the Guam Public Utilities Commission (PUC) ordered (May 25, 2017): "GPA and the ALJ are instructed to continue to discuss proposals for the long-term funding of DSM Programs and to develop a plan for such funding."; and

WHEREAS, GPA and the ALJ had determined that it was perhaps too ambitious to adopt all 18 DSM proposals at the time, particularly as a long-term funding source has not yet been identified; and

WHEREAS, however, both GPA and the ALJ have agreed upon ten new DSM initiatives to be implemented; and

WHEREAS, under GPA Docket 18-11, the PUC approved GPA's request balance of the Bond Refinancing Savings through 2021 to fund the GPA Demand Side Management (DSM) rebate program in the amount of $1,139,189; and

WHEREAS, Exhibit A Figures A-1 and A-2 illustrate the exponential growth year over year in the amount DSM Program rebate payments since FY 2016; and

WHEREAS, DSM Program forecasted growth places pressure on GPA base rate funding and could impact GPA Debt Service Coverage requirements; and

WHEREAS, the current available funding will eventually run out for the current budget approved amount for FY2020, with a requested budget of $3 million for FY2020 GPA plans to allocate $1.7 million for projected residential rebate applications. The remaining $1.3 million will allow GPA to expand the DSM program new DSM initiatives; and

WHEREAS, similar to renewable energy, the DSM Program is predicated on the avoidance of fuel costs, and it also defers the need for capacity additions; and

WHEREAS, the PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs through LEAC and all savings achieved credited to LEAC; and

Resolution No.: 2019-18

WHEREAS, to date, annual energy fuel savings from the program is approximately 4,012,000 kWh; and

WHEREAS, to date, demand reduction achieved from the program is approximately 3,108 kW; and

WHEREAS, GPA has paid nearly $3.6 million to its customers for over 11,824 rebate applications, yielding an average customer rebate amount per application of $300; and

WHEREAS, in addition to the rebate savings, customers directly save $65 - $140 a year for a 4 SEER improvement on appliance equipment for 9000 BTU and 12000 BTU sized split air conditioners; and

NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES subject to the review and approval of the Public Utilities Commission as follows:

1. The General Manager is authorized to petition for the DSM Program Funding to be placed under LEAC.

2. The General Manager is authorized to conduct an information campaign supporting these recommendations.

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

DULY and REGULARY ADOPTED this 26 th day of November 2019.

Certified by: **Attested by:**

JOSEPH T. DUENAS
CHAIRMAN

MICHAEL T. LIMTIACO
SECRETARY

Resolution No.: 2019-18

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Secretary for the Consolidated Commission on Utilities (CCU), as evidenced by my signature above do certify as follows: The foregoing is a full, true, and accurate copy of the resolution duly adopted at a regular meeting of the members of Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

Resolution No.: 2019-18

EXHIBIT A

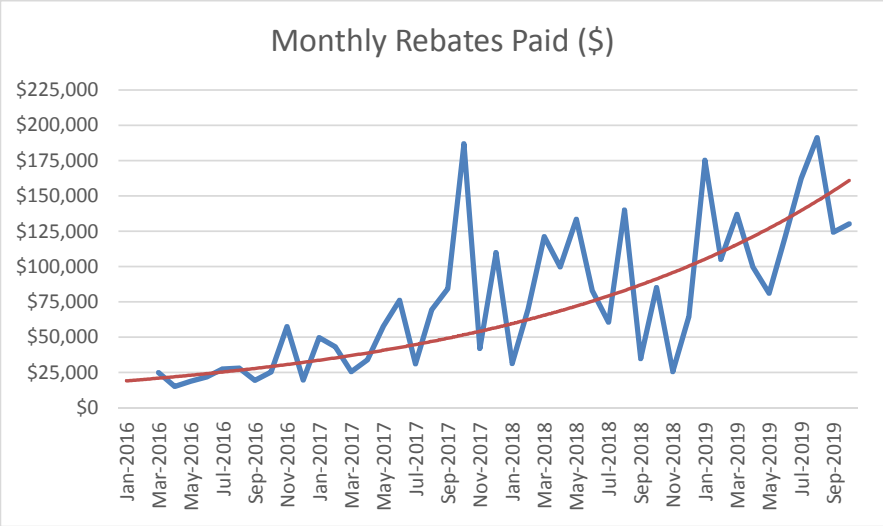
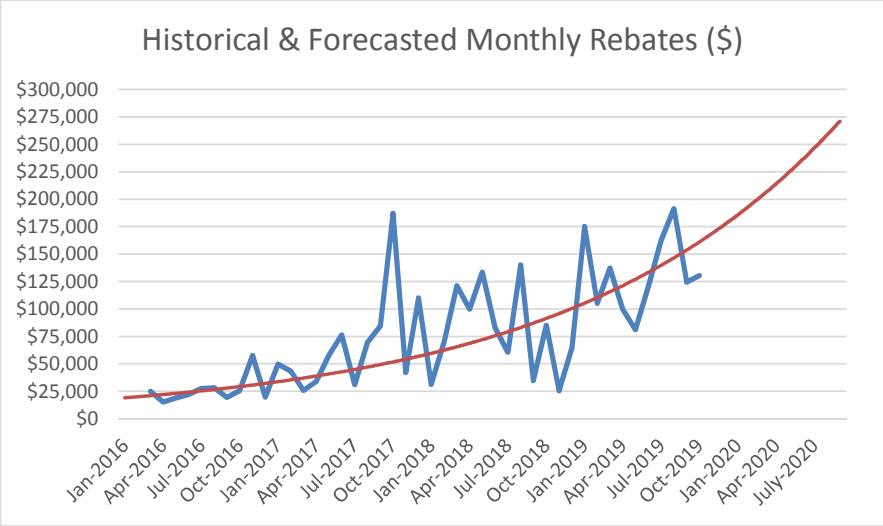


Figure A-1. Historical and Forecast Monthly DSM Rebate Expenses



- DSM Expenses is growing exponentially
- Growth Rate will make it very difficult to fund out of base rates
- GPA may have to cap program

Resolution No.: 2019-18

Figure A-2. Historical and Forecasted Annual DSM Rebate Expenses

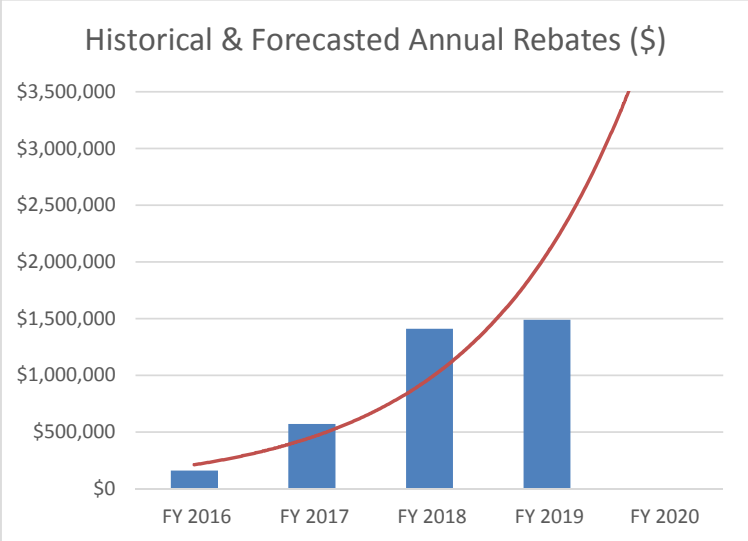


Table A-1. Annual Rebate Summary

Description	Year Paid	Total Rebate Amount	Count of Applications	Avg. Rebate per Application
Rebates-Split A/Cs	2016	$ 253,500	693	$ 366
	2017	$ 798,426	2519	$ 317
	2018	$ 1,073,575	3385	$ 317
	2019	$ 1,275,975	4484	$ 285
Rebates-Split A/Cs Total		**$ 3,401,477**	**11081**	**$ 307**
Rebates- Washer/Dryers	2016	$ 4,700	36	$ 131
	2017	$ 7,325	29	$ 253
	2018	$ 57,400	212	$ 271
	2019	$ 103,800	434	$ 239
Rebates- Washer/Dryers Total		**$ 173,225**	**711**	**$ 244**
Rebates-Central A/Cs	2016	$ 7,200	8	$ 900
	2017	$ 5,800	8	$ 725
	2018	$ 3,600	6	$ 600
	2019	$ 6,500	10	$ 650
Rebates-Central A/Cs Total		**$ 23,100**	**32**	**$ 722**
Grand Total		**$ 3,597,802**	**11824**	**$ 304.28**

GPA Resolution No. 2019-18

Demand Side Management Funding

GPA Resolution No. 2019-18

Relative to DSM Funding

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

This resolution seeks approval to fund the DSM Program under LEAC for the following reasons:

- The DSM Program is experiencing exponential growth. Although perhaps not truly unexpected, this DSM Program exponential growth is volatile: subject or characterized by rapid change. The LEAC decoupling from base rates addresses expenses like fuel that have a volatile nature.
- DSM rebate expenses may likely double every year and would soon place great pressure on GPA base rate funding affecting GPA Debt Service Coverage requirements. At that point, GPA would have to severely curtail the growth of the DSM rebate program. This curtailment would not comport with CCU and PUC policy and their mutual desire to reduce customer energy consumption, demand, and cost.
- Similar to renewable energy, the DSM program is predicated on the avoidance of fuel costs, and it also defers the need for capacity additions.
- The PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs through LEAC and all savings achieved credited to LEAC.
- Managing consumer growth in its energy consumption and demand is critical until 2022 upon the commissioning of the new power plant.
- To date, annual energy fuel savings from the program is approximately 4,012,000 kWh, and demand reduction achieved from the program is approximately 3,108 kW

Where is the location?
Territory of Guam

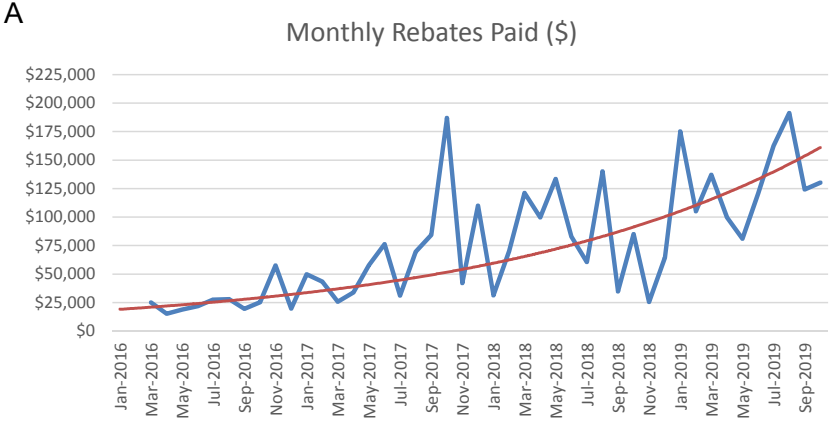
When will it be completed?
Upon approval of the Guam Public Utilities Commission

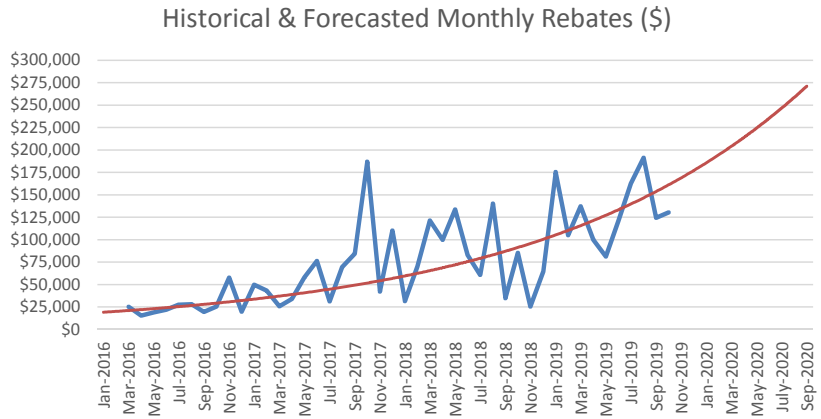
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PUC approval of GPA's recommendation results in DSM expenses being revenue neutral.

What is its current funding source?
Base Rate Revenues and Insurance Premium Savings

GPA Resolution No. 2019-18

EXHIBIT A





- DSM Expenses is growing exponentially
- Growth Rate will make it very difficult to fund out of base rates
- GPA may have to cap program

Figure A-1. Historical and Forecast Monthly DSM Rebate Expenses

GPA Resolution No. 2019-18

EXHIBIT A

Figure A-2. Historical and Forecasted Annual DSM Rebate Expenses

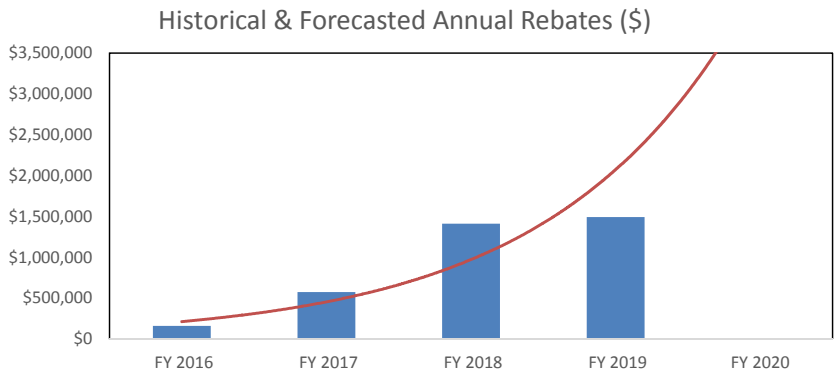
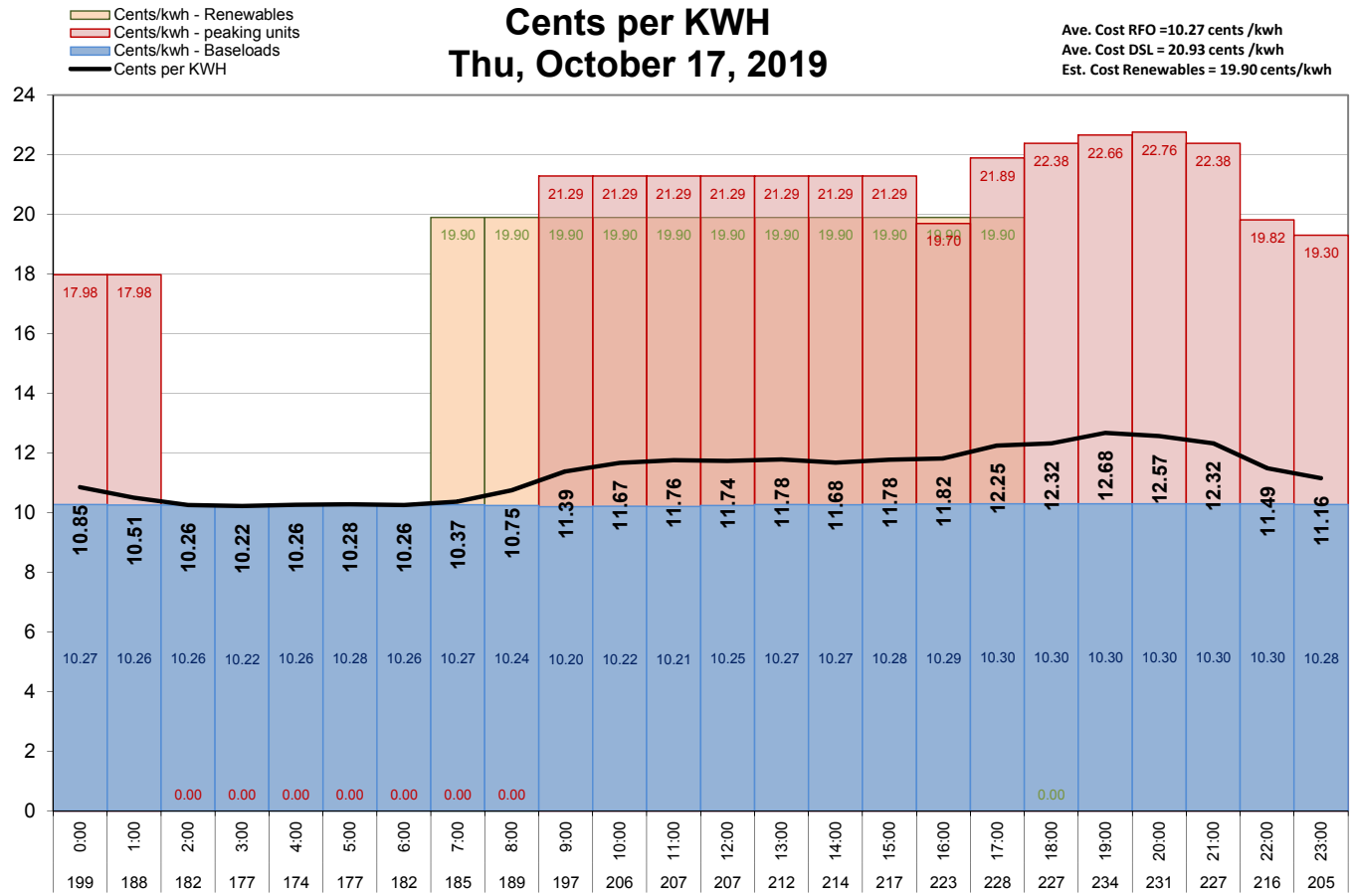


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Rebates-Central A/Cs Total		**$ 23,100**	**32**	**$ 722**
Grand Total		**$ 3,597,802**	**11824**	**$ 304.28**

GPA Resolution No. 2019-18

5



Price in:	$ / gal
HSFO	$1.419
LSFO	$1.557
Tenjo DSL	$2.585
Temes DSL	$2.138
FT DSL	$2.118
CT DSL	$2.118

GPA Resolution No. 2019-18

Fuel Cost Savings Summary:

Average KW Reduction per Applicant	0.26
Total Applicants	11,824
Total KW Reduction	3,108
Residential Load Factor	57.0%
Annual KWH Avoided	15,519,193
Average Diesel Production $/kWh	$0.196
Annual Savings	$3,046,418
Total Rebate Paid	$2,283,652
Payback in Years	0.7
Equipment Life in Years	**7**
Total Fuel Savings over Life	**$21,324,923**

Requested DSM Funding Annually	**$3,000,000**
Estimated Fuel Cost	**$202,101,459**
Estimated Civilian kWh Annually	**1,285,463**
Estimated $/kWh	**0.002**
DSM Percent of LEAC Annually	**1.48%**

GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issues for Decision

Resolution No. 2019-19

Relative to Authorizing Management to Require All Future Net Metering Solar PV and Wind Turbine Systems to also have Frequency Control Capability or Energy Storage System (ESS) in Order to be Tied in to GPA's Grid

What is the project's objective and is it necessary and urgent?
Guam Public Law 27-132 (December 2004) created Net Metering for Guam and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate for excess renewable energy fed into GPA's Distribution System. NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to:

1) Use of the grid to sell power (get credit at full retail rate for excess production);
2) Use of the grid to energize their homes at night, but credited back from their production (uses GPA Grid as storage);
3) Frequency regulation absorbed by grid for intermittencies;
4) Reactive power supply;
5) Voltage regulation;
6) Stand-by power on overcast days when the sun does not shine.

Solar PV production is intermittent and requires an accompanying energy storage system such as a battery to provide a fairly smooth energy into the home or grid. GPA is purchasing energy from a 25 MW solar farm in Dandan.

In addition, there are about 2,035 net metering customers with a total capacity of about 22 MW of net metering customers tied in to the grid without batteries. The result of all these intermittent productions has degraded the reliability of the system. Solar PV Production is inconsistent and requires substantial battery reserves. The number of under frequency automatic load shedding due to solar PV systems has increased substantially over the past few years.

As of October 31, 2019, there has been 27 caused feeder trips or outages due to solar PV systems without batteries. Although, the new 40 MW frequency control batteries GPA is installing would decrease these outages, we cannot continue to add intermittent energy production into the grid because uncontrolled solar PV energy will degrade system reliability again. GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to also have Frequency Control Capability or Energy Storage System (ESS). The lack of ESS in the system substantially degrades the reliability of non-solar customers.

When will it be completed? Therefore, **effective January 01, 2020**, all new NET Metering Solar PV and Wind Turbine systems must also have Frequency Control Capability or Energy Storage System (ESS) in order to be tied in to GPA's grid.

CONSOLIDATED COMMISSION ON UTILITIES
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RESOLUTION NO. 2019-19

AUTHORIZING MANAGEMENT TO REQUIRE ALL FUTURE NET METERING SOLAR PV AND WIND TURBINE SYSTEMS TO ALSO HAVE FREQUENCY CONTROL CAPABLITY OR ENERGY STORAGE SYSTEM (ESS) IN ORDER TO BE TIED IN TO GPA'S GRID

WHEREAS, Guam Public Law 27-132 (December 2004) created Net Metering (NEM) for Guam and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate for excess renewable energy fed into GPA's Distribution System; and

WHEREAS, NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to:

1) Use of the grid to sell power (get credit at full retail rate for excess production);
2) Use of the grid to energize their homes at night, but credited back from their production (uses GPA Grid as storage);
3) Frequency regulation absorbed by grid for intermittencies;
4) Reactive power supply;
5) Voltage regulation;
6) Stand-by power on overcast days when the sun does not shine.

WHEREAS, as ordered by the Consolidated Commission on Utilities (CCU), GPA has conducted and completed several public meetings to:

1) Address net metering stakeholders' concerns and obtain feedback;
2) Evaluate stakeholder feedback;
3) Perform analysis regarding net metering impacts on GPA especially on non-net metering customers;
4) Propose recommendations on whether or not changing the current net metering program is in the best interests of customers while insofar as possible alleviating net metering customer concerns.

WHEREAS, on its May 30, 2019 meeting, the PUC under Docket 19-04 ordered GPA to not make any change to the current NEM retail price. It also ordered for GPA and PUC to agree on an independent consultant to determine the cost and benefits of NEM including the benefits distributed generation may have in the distribution system. The PUC will entertain the report when completed and will address the matter further at that time or once the total NEM KW capacity reaches about 26MW; and

WHEREAS, Exhibit A is one illustration that show Solar PV production is intermittent and require an accompanying energy storage system such as a battery to provide a fairly smooth energy into the home or grid; and

WHEREAS, GPA is purchasing energy from a 25 MW solar farm in Dandan. In addition, there are about 22 MW of net metering customers tied in to the grid without batteries. The result of all these intermittent productions has degraded the reliability of the system. GPA has shown graphs of the GlidePath solar PV farm in Dandan during several consecutive weeks of rain, as illustrated on **Exhibit B**; and

WHEREAS, GPA is installing a 40 MW Energy Storage System (ESS), a 24 MW system in Hagatna and 16 MW system in Talofofo with a targeted commissioning date by December 31, 2019. These battery systems will significantly improve power quality in the system in addition to helping reduce short term outages cause by generating plant and renewable PV trips; and

WHEREAS, Exhibit C illustrate the number of under frequency automatic load shedding due to solar PV systems has increased substantially over the past few years. As of October 31, 2019, there has been 27 caused feeder trips or outages due to solar PV systems without batteries. Although, the new 40 MW frequency control batteries GPA is installing would decrease these outages, we cannot continue to add intermittent energy production into the grid because uncontrolled solar PV energy will degrade system reliability again; and

WHEREAS, the customers paying for the system grid are non-solar PV customers who are experiencing substantial outages due to solar PV customers facility intermittency; and

WHEREAS, GPA completed its Joint Renewable Integration Study with the United States Navy in July 2018;

WHEREAS, this Study made the following observations:

- All PV added after Phase II is at risk of considerable curtailment without load-shifting ESS;
- NEM will exacerbate this curtailment resulting in curtailment of less expensive Phase II energy for much more expensive NEM produced energy at the retail rate;
- All PV added with and after Phase II require additional ESS support during transient events;
- All PV added with and after Phase II require additional Short-Circuit Ratio (SCR) support supplied by GPA;
- All ESS should have frequency droop control modes available;
- Phase III and beyond systems should have energy storage included as an integral component of the project, in order to optimize the economics of the projects;
- The PV systems and the energy storage should share the same DC bus configuration behind one inverter system to reduce the SCR burden on GPA and reduce the PV ramping effects due to intermittent solar irradiation.

WHEREAS, this study has recommended projects including the new flexible generation power plant that would ameliorate the above effects;

WHEREAS, many of these projects are slated for funding beyond 2023;

WHEREAS, GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to have frequency control capability or Energy Storage System (ESS).

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

1. The General Manager has determined that the number of under frequency automatic load shedding due to solar PV systems has increased substantially over the past few years and uncontrolled solar PV energy has significantly degraded system reliability. Those whose reliability is impacted substantially are the non-solar customers, which are expected to have improved reliability when the 40 MW ESS is completed.

2. GPA's existing policy is to have all future utility scale solar PV systems beginning with Phase II renewables equipped with ESS in order to improve reliability.

3. GPA cannot continue to add intermittent energy production into the grid without requiring all future customer owned solar PV and wind turbine systems to also have frequency control capability or Energy Storage System (ESS).

4. Therefore, effective January 01, 2020, all new NET Metering Solar PV and Wind Turbine systems must have Frequency Control Capability or Energy Storage System (ESS) in order to be tied in to GPA's grid.

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

DULY and REGULARY ADOPTED and APPROVED THIS 26TH DAY OF NOVEMBER, 2019.

Certified by: Attested by:

_____ _____

JOSEPH T. DUENAS MICHAEL T. LIMTIACO

Chairperson Secretary

Consolidated Commission on Utilities Consolidated Commission on Utilities

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

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

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

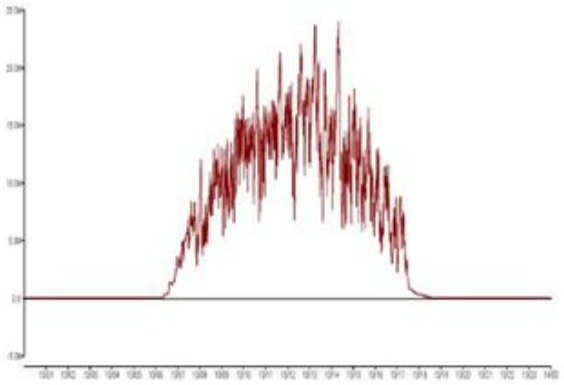
Exhibit A

NEM Customer Profile

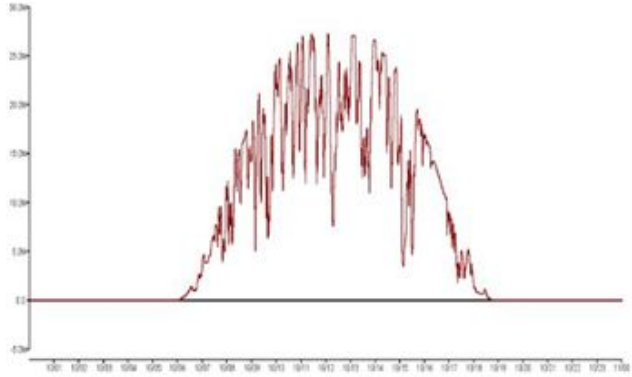
PV Output Looks Like This …

Solar PV Renewables Intermittency

Peak Output
26.5 MW



Peak Output
23 MW



Date:	**14-Jun-16**		
PV System KW Size	24.7		
GPA KWH 12am to 7am	22.56		
GPA KWH 7am to 6pm	7.44		
GPA KWH 6pm to 12am	**24.67**	**Evening Peak**	
NEM KWH 7am to 6pm	69.35		
Net GPA KWH	-14.68		

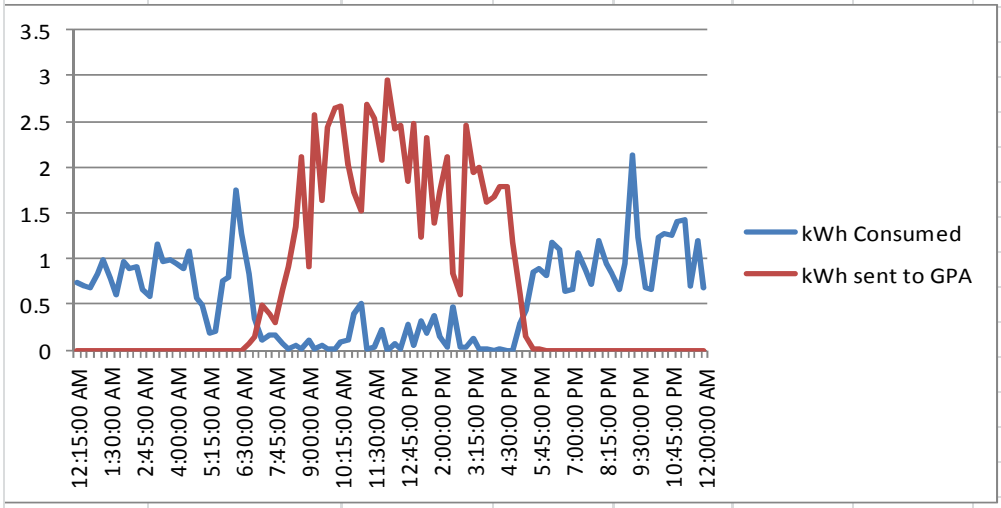


Exhibit B

Solar PV Production is Inconsistent and Requires Substantial Battery Reserves

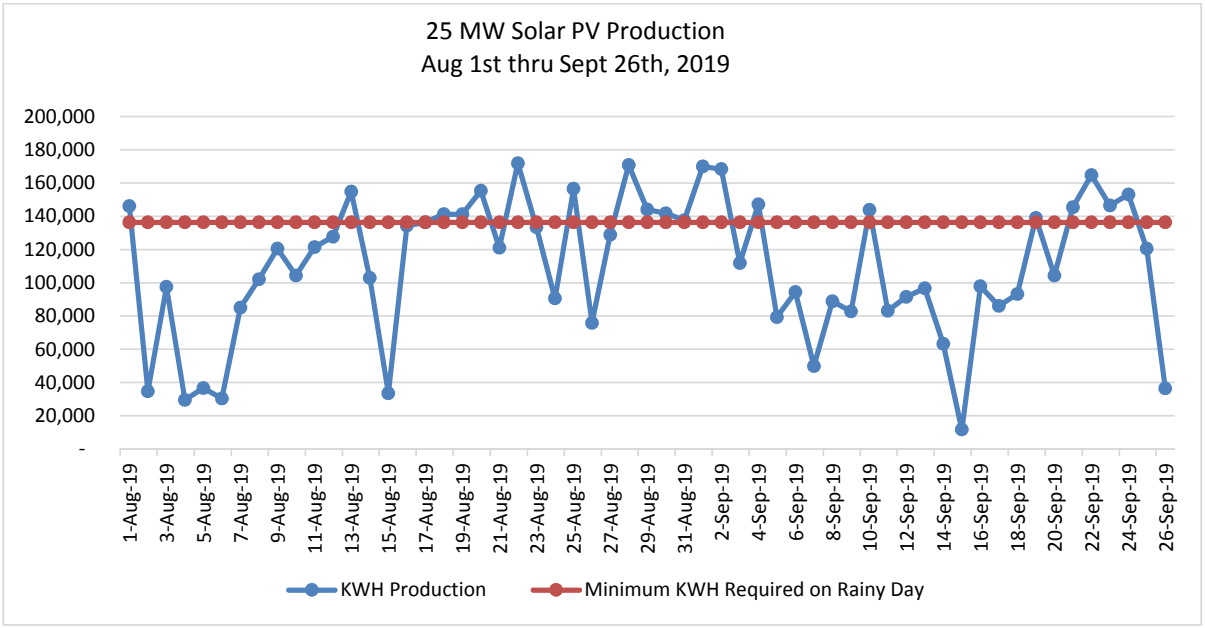
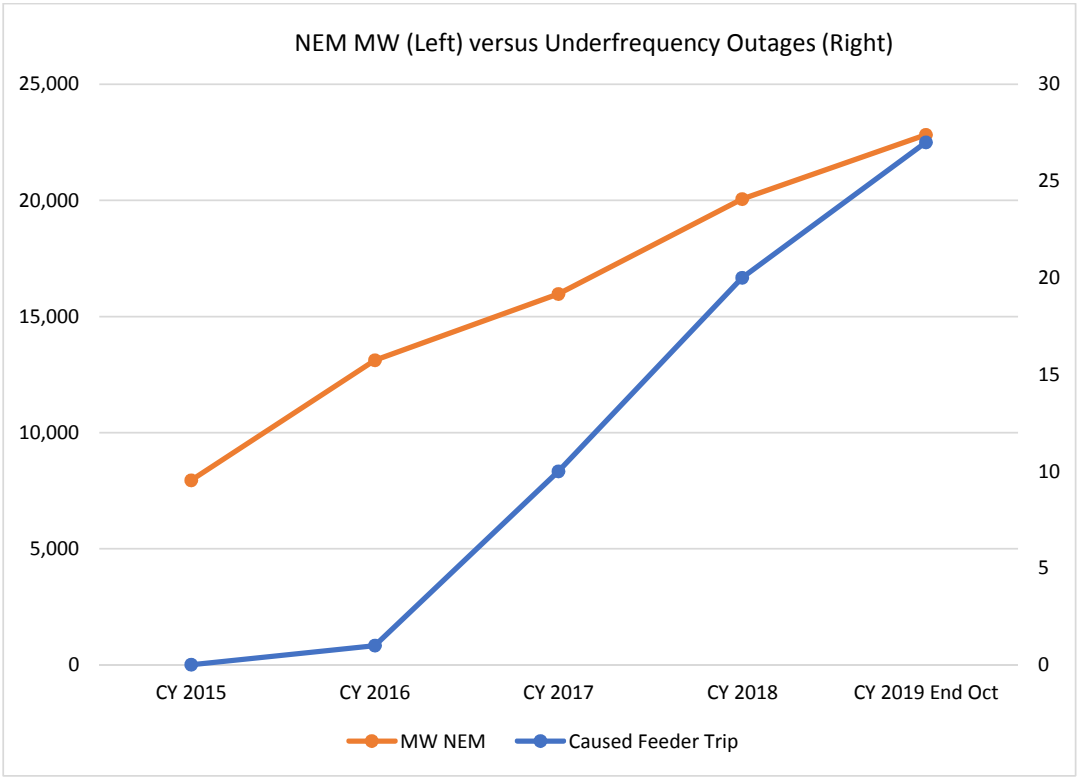


Exhibit C



GUAM POWER AUTHORITY
ATURIDÅT ILEKTRESEDÅT GUAHAN
P.O.BOX 2977 • AGANA, GUAM U.S.A. 96932-2977

Issues for Decision

Resolution No. 2019-20

AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE A REVISON TO INTERIM NET METERING RIDER ADDRESSING THE GUAM PUBLIC UTILITIES COMMISSION (PUC) ORDER DOCKET NO. 08-10

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

The Guam Public Utilities Commission (PUC) ordered GPA to execute the Interim Net Metering (NM) Rider under Docket No. 08-10 (December 29, 2008). Under Docket 08-10, Exhibit A (paragraph 1), the PUC states: "The NM Rider may be amended or modified in the future by GPA, with the approval of the Guam Public Utilities Commission (PUC)." Under Docket 08-10, Exhibit A (paragraph 3), the PUC orders: "The NM Rider is available to all customers without limitation as to the aggregate capacity of Customer-Generator installations on the GPA System. However, at the time the number of Customer-Generators exceeds one-thousand (1000) customers this issue will be reviewed by the PUC and a determination made as to the continued offering of the NM Rider for new 'net metering' customers." GPA achieved the milestone of 1000 net metering (NEM) customers in June 2016. NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to:

- Use of the grid to sell power (get credit at full retail rate for excess production);
- Use of the grid to energize their homes at night;
- Frequency regulation absorbed by grid for intermittencies;
- Reactive power supply;
- Voltage regulation; and
- Stand-by power on overcast days when the sun does not shine.

GPA has 2,040 net metering customers (October 31, 2019) resulting in an approximate $3,527,745 annual subsidy going forward. Expiration of customer credit was revised in docket 08-10 on December 10, 2015 which gave customer an option to elect to have GPA carry the credits forward, or have GPA purchase from the customer all kWh credits remaining on their account.

GPA is requesting to **revert** to the original language contained in the Net Metering Rider, under "MONTHLY BILLING," which states:

> "In no event shall the excess credit from a single month be carried forward beyond twelve (12) months as a credit against the current monthly billing. At the end of each calendar year, or in the event of termination of service under this Rider, any excess kWh credits; if any will be granted by the customer to the GPA without compensation to the customer"

The payment or carry over of excess credits tend to encourage net metering customers to install larger capacity which results in receiving payments for excess energy thereby resulting in increased cost to non-NEM customers.

Typically, in other jurisdictions NEM excess credits are zeroed out annually as was done by GPA prior to the change in December 2015.

How much has it cost GPA? GPA has 2,040 net metering customers (October 31, 2019) resulting in an approximate $3,527,745 annual subsidy going forward.
GPA refunded $86,283 and carried forward $241,217 in calendar year 2018.

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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RESOLUTION NO. 2019-20

AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE A REVISON TO INTERIM NET METERING RIDER ADDRESSING THE GUAM PUBLIC UTILITIES COMMISSION (PUC)ORDER DOCKET NO. 08-10

WHEREAS, Guam Public Law 27-132 (2004) created Net Metering for Guam and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate for excess renewable energy fed into GPA's Distribution System; and

WHEREAS, the Guam Public Utilities Commission (PUC) ordered GPA to execute the Interim Net Metering (NM) Rider under Docket No. 08-10 (December 29, 2008); and

WHEREAS, under Docket 08-10, Exhibit A (paragraph 1), the PUC states: "The NM Rider may be amended or modified in the future by GPA, with the approval of the Guam Public Utilities Commission (PUC)"; and

WHEREAS, under Docket 08-10, Exhibit A (paragraph 3), the PUC orders: "The NM Rider is available to all customers without limitation as to the aggregate capacity of Customer-Generator installations on the GPA System. However, at the time the number of Customer-Generators exceeds one-thousand (1000) customers this issue will be reviewed by the PUC and a determination made as to the continued offering of the NM Rider for new 'net metering' customers."; and

WHEREAS, GPA achieved the milestone of 1000 net metering (NEM) customers in June 2016; and

WHEREAS, NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to: 1) Use of the grid to sell power (get credit at full retail rate for excess production); 2) Use of the grid to energize their homes at night; 3) Frequency regulation absorbed by grid for intermittencies; 4) Reactive power supply; 5) Voltage regulation; and 6) Stand-by power on overcast days when the sun does not shine.

WHEREAS, GPA has 2,040 net metering customers (October 31, 2019) resulting in an approximate $3,527,745 annual subsidy going forward; and

WHEREAS, expiration of customer credit was revised in docket 08-10 on December 10, 2015 which gave customer an option to elect to have GPA carry the credits forward, or have GPA purchase from the customer all kWh credits remaining on their account; and

WHEREAS, GPA refunded $86,283 and carried forward $241,217 in calendar year 2018; and

WHEREAS, GPA is requesting to **revert** to the original language contained in the Net Metering Rider, under "MONTHLY BILLING," which states:

> "In no event shall the excess credit from a single month be carried forward beyond twelve (12) months as a credit against the current monthly billing. At the end of each calendar year, or in the event of termination of service under this Rider, any excess kWh credits; if any will be granted by the customer to the GPA without compensation to the customer"; and

WHEREAS, the payment or carry over of excess credits tend to encourage net metering customers to install larger capacity which results in receiving payments for excess energy thereby resulting in increased cost to non-NEM customers; and

WHEREAS, typically in other jurisdictions NEM excess credits are zeroed out annually as was done by GPA prior to the change in December 2015.

NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES subject to the review and approval of the Public Utilities Commission as follows:

1. The General Manager is authorized to file a petition of its revision to the Interim Net Metering Rider.
2. The General Manager is authorized to conduct an information campaign supporting these recommendations.

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

DULY and REGULARY ADOPTED this 26th day of November 2019.

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

I, Michael Limtiaco, Secretary for the Consolidated Commission on Utilities do hereby certify that the foregoing is a full, true, and correct copy of the resolution duly adopted at a regular meeting of the members of Guam's Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

Ayes: _____

Nays: _____

Absent: _____

Abstain: _____

NEM Customers Not Paying for System: Non-Solar Customer Cost will Increase !!!

System FY 2018 Cost
KWH Sales: 1,567,052,144

Description:	Amount	$/KWH
Debt	$ 30,167,800	$ 0.019
Capital Improvement	$ 16,599,038	$ 0.011
Transmission and Distribution Grid	$ 12,338,142	$ 0.008
Customer Accounting	$ 6,354,272	$ 0.004
Admin/General	$ 33,971,438	$ 0.022
Production - Non Fuel	$ 61,331,145	$ 0.039
Total Base Rate (Fixed Cost)-Non Fuel	**$ 160,761,835**	**$ 0.103**
Fuel Cost	$ 217,567,039	$ 0.139
Total Cost	$ 378,328,874	$ 0.241

Solar PV Production Does Not Avoid Base Rate of $0.103 / KWH; Solar PV Production Does Avoid Fuel Cost

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Full Burden of Fixed Cost Shifted to Non-Solar Customers!!!

Total ALL Customers	**52,000**	**$3,092**
Without Solar Customers	**50,000**	**$3,215**
Additional Non-Solar Cost Per Customer		**$124**
Excess Credit Payments or Carryover Cost		**$0.241/kWh**
Avoided Cost		**$0.139/kWh**

GUAM WATERWORKS AUTHORITY

Management Report
GPWA CCU Board Meeting, November 26, 2019

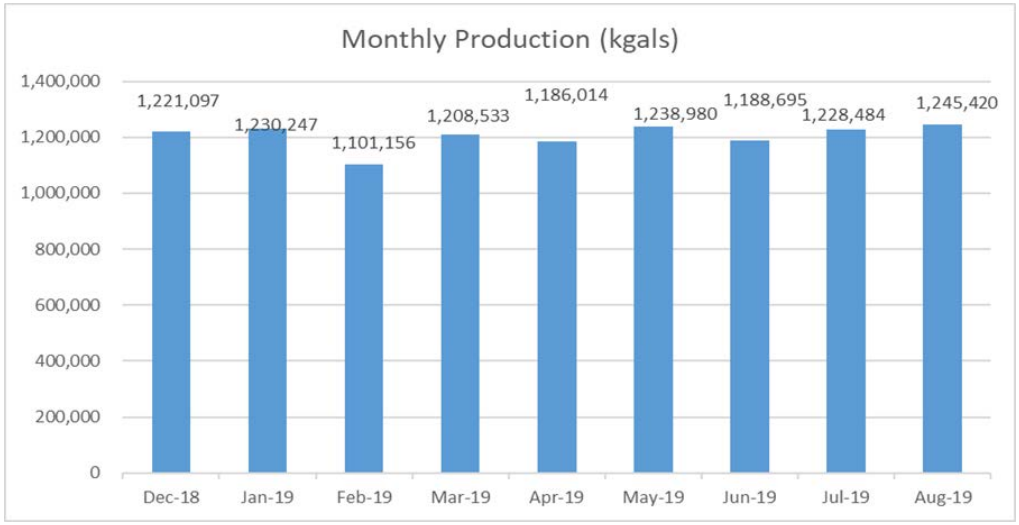


Operations Update

Production (August 2019)

Monthly Production Summary - August 2019					
Deep Wells				36.8	MGD
	Active wells =	99	of 120		
	Avg days in operation =	31	days		
	Total Production =	1,142,247	Kgals		
Springs				0.16	MGD
	Avg days in operation =	31	days		
	Total Production =	4830	Kgals		
Ugum Surface Water Plant				2.2	MGD
	Avg days in operation =	31	days		
	Total Production =	67,902	Kgals		
Tumon Maui Well				0.98	MGD
	Avg days in operation =	31	days		
	Total Production =	30,441	Kgals		
		1,245,420	Kgals	40.2	MGD

DW Status as of 8/31/2019		
Active	99	
Grounded motor or Pump Failure	5	A26-D03-F06-F17-M12
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Secured, PFOs	2	A23-A25
Standby	6	A29-D01-D20-D24-F05-M17B
TOTAL	120	

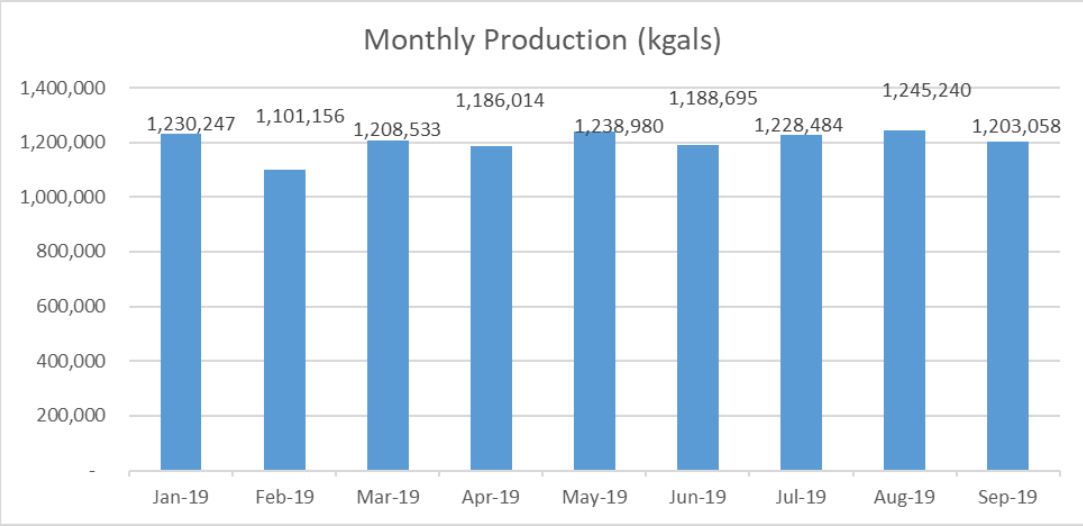


Operations Update

Production (September 2019)

Monthly Production Summary - September 2019				
Deep Wells			36.8	MGD
Active wells =	97	of 120		
Avg days in operation =	30	days		
Total Production =	1,102,932	Kgals		
Springs			0.26	MGD
Avg days in operation =	30	days		
Total Production =	7717	Kgals		
Ugum Surface Water Plant			2.1	MGD
Avg days in operation =	30	days		
Total Production =	63,730	Kgals		
Tumon Maui Well			0.96	MGD
Avg days in operation =	30	days		
Total Production =	28,679	Kgals		
	1,203,058	Kgals	40.1	MGD

DW Status as of 9/30/2019		
Active	97	
Grounded motor or Pump Failure	5	A26-D03-F06-F17-M12
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Secured, PFOs	2	A23-A25
Standby	8	A29-D01-D20-D24-F09-F10-F18-M17B
TOTAL	120	

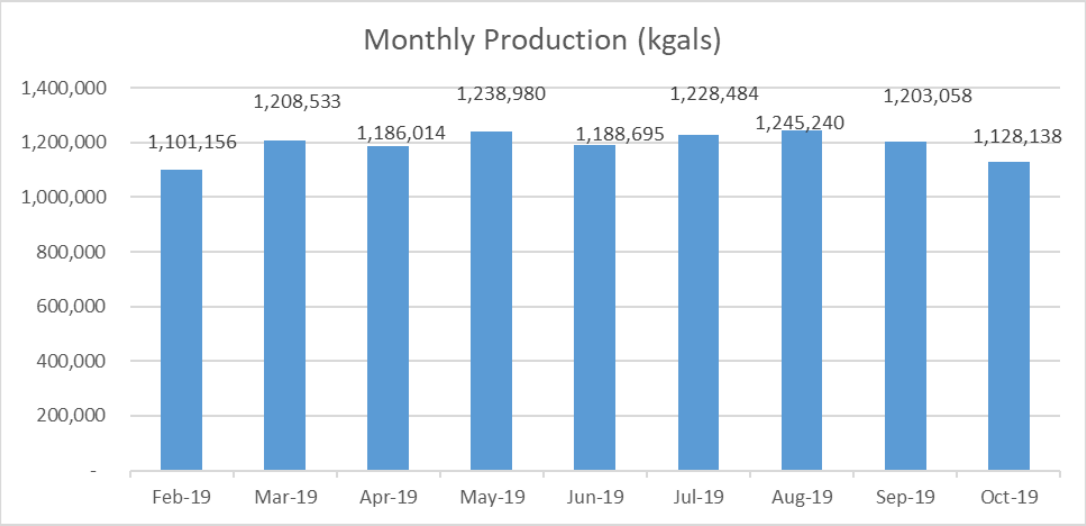


Operations Update

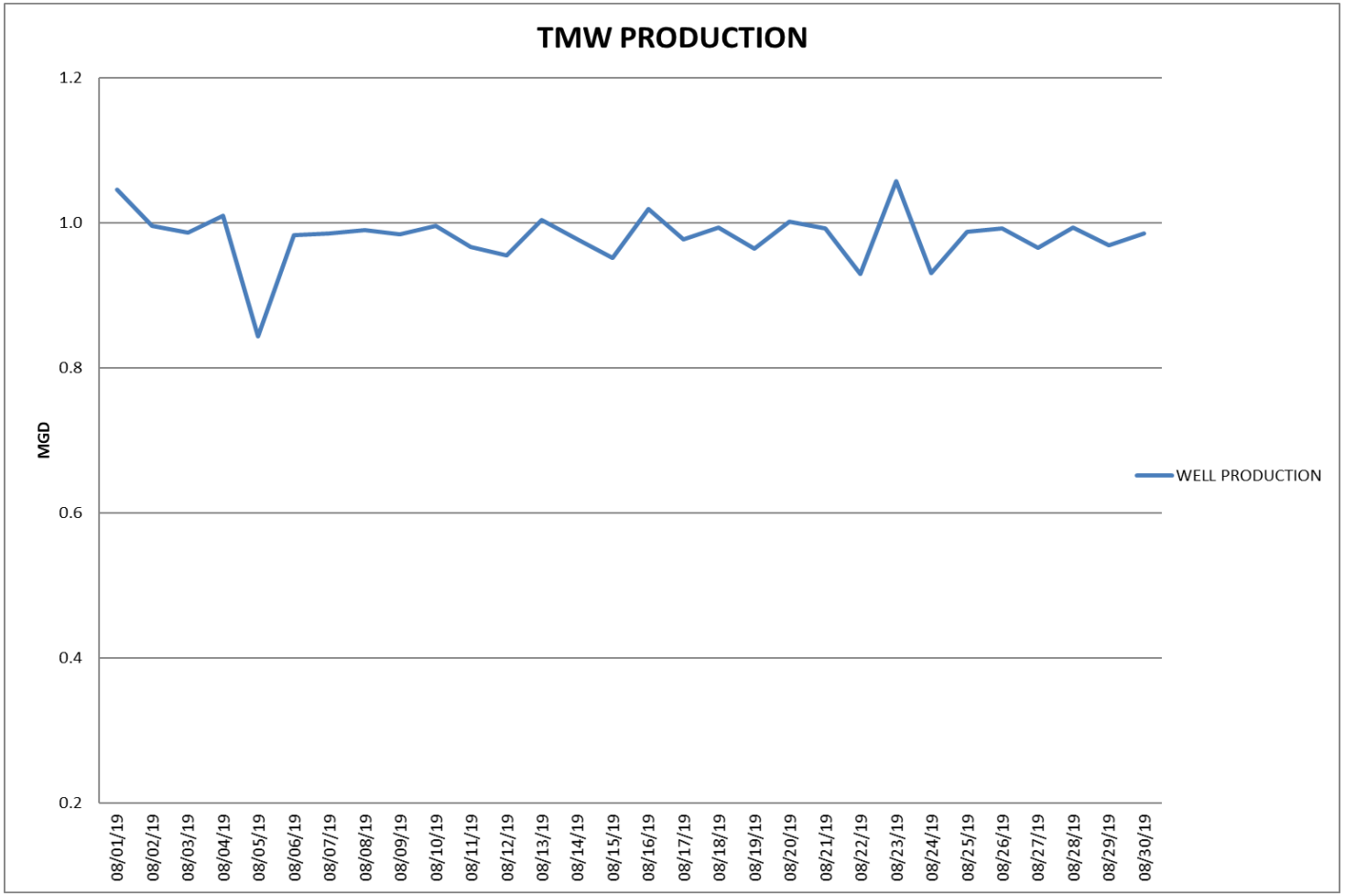
Production (October 2019)

Monthly Production Summary - October 2019					
Deep Wells				36.4	MGD
	Active wells =	98	of 120		
	Avg days in operation =	31	days		
	Total Production =	1,128,608	Kgals		
Springs				0.37	MGD
	Avg days in operation =	31	days		
	Total Production =	11501	Kgals		
Ugum Surface Water Plant				2.2	MGD
	Avg days in operation =	31	days		
	Total Production =	69,725	Kgals		
Tumon Maui Well				0.91	MGD
	Avg days in operation =	31	days		
	Total Production =	28,304	Kgals		
		1,128,138	Kgals	39.9	MGD

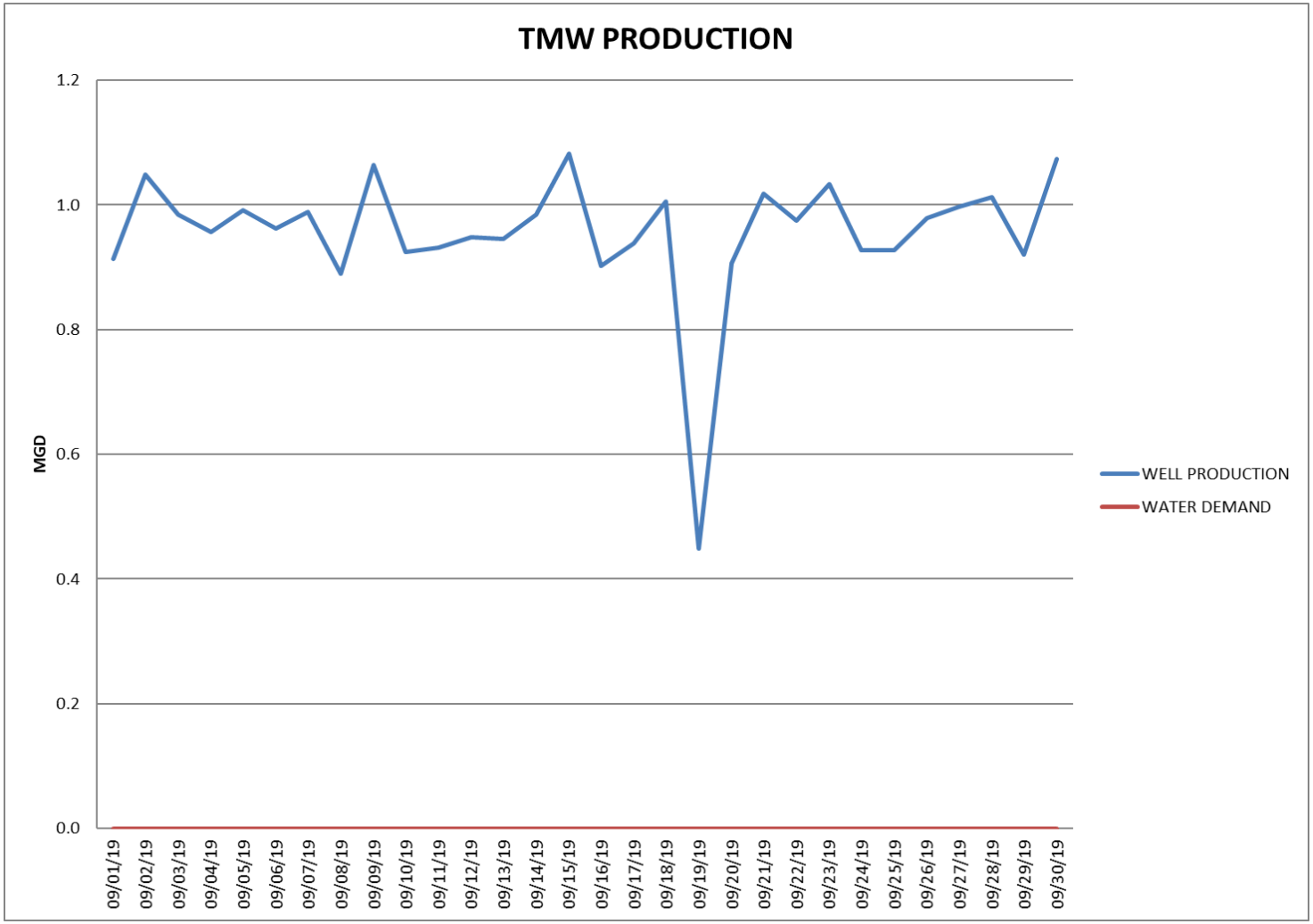
DW Status as of 10/31/2019		
Active	98	
Grounded motor or Pump Failure	3	A26-D03-F06
Out of commission	8	A02-A07-A28-D05-D13-M14-MJ01-MJ05
Temporarily Secured	3	A23-A25-F10
Standby	8	A10-A29-D01-D20-F16-F18-M12-M17B
TOTAL	120	



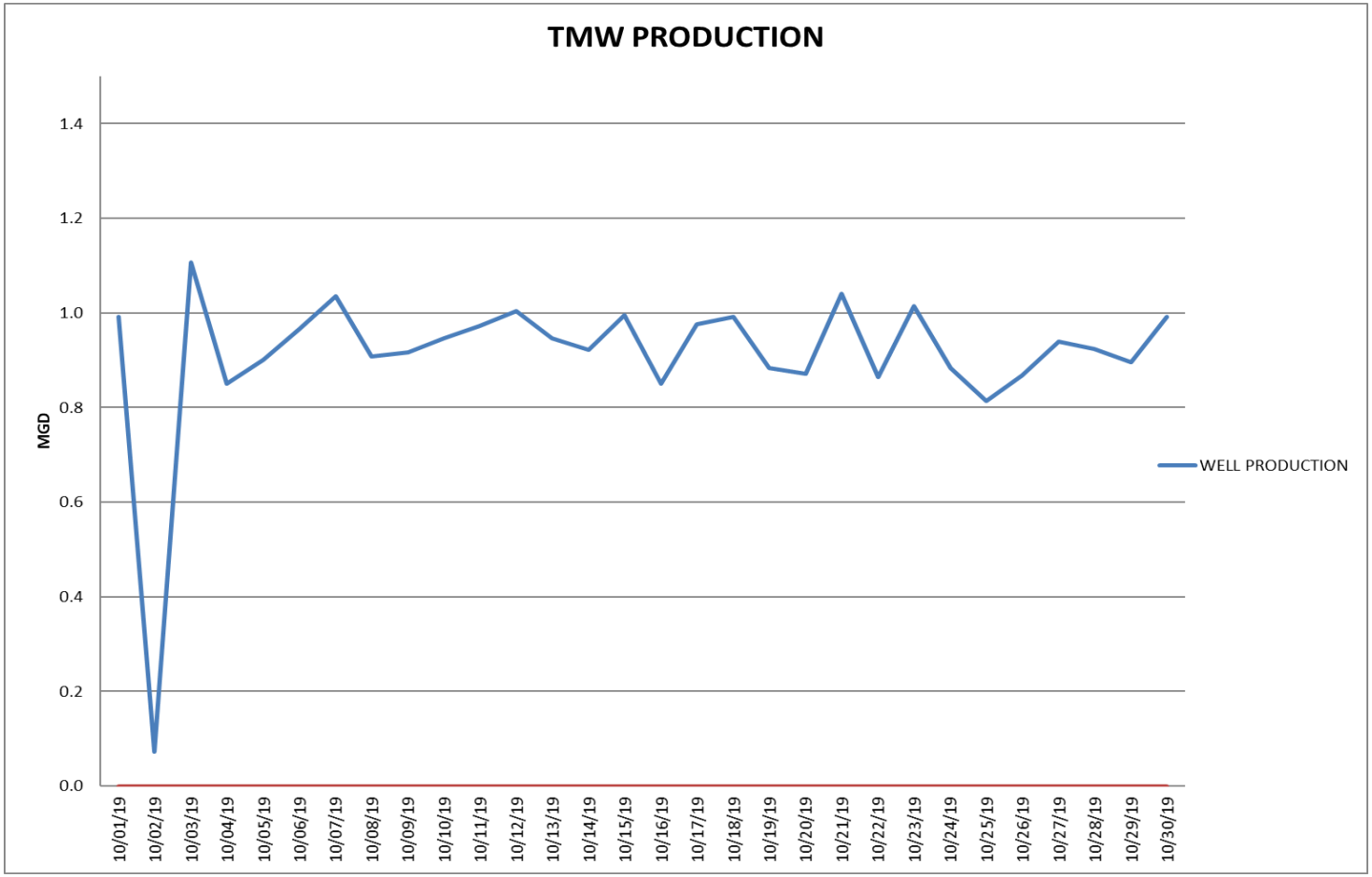
Tumon Maui Well Production (August 2019)



Tumon Maui Well Production (September 2019)

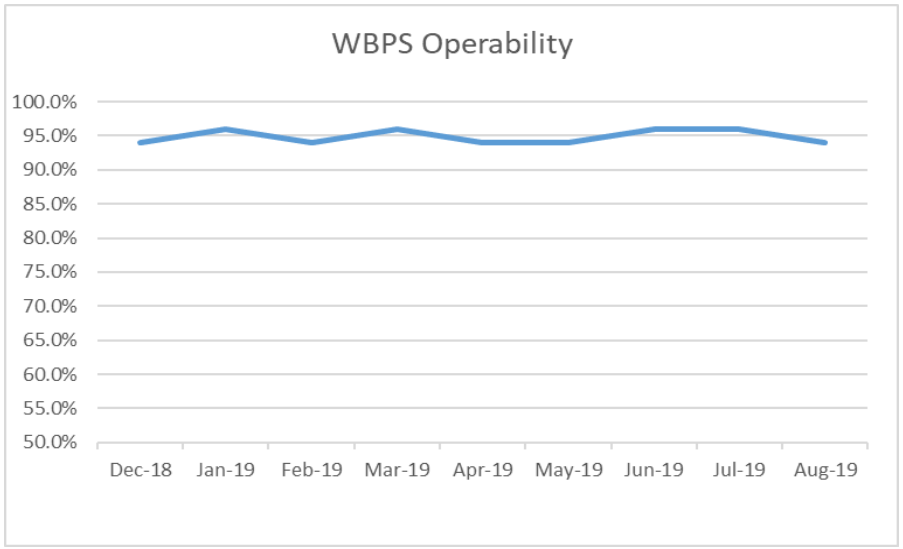


Tumon Maui Well Production (October 2019)



Distribution (August 2019)

Monthly Distribution Summary - August 2019					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	20	18	90.0%
	Central	7	15	14	93.3%
	Southern	7	15	15	100.0%
		25	50	47	94.0%

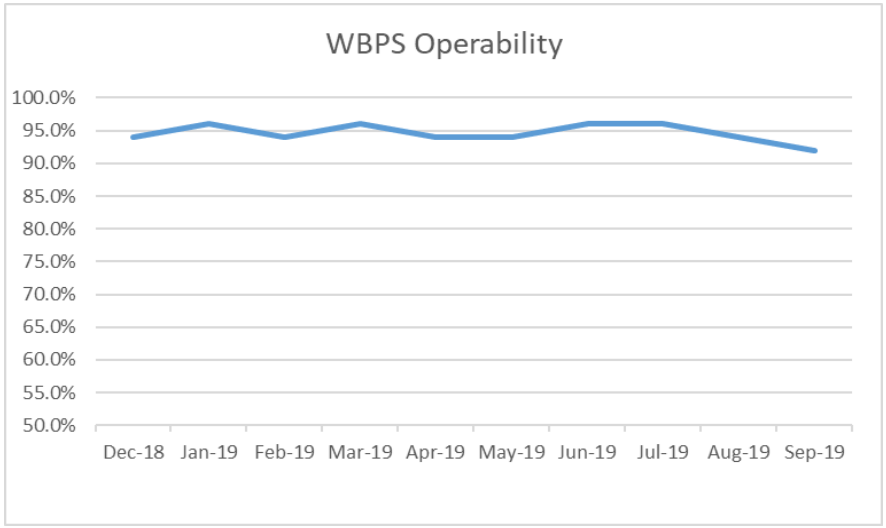


Distribution (September 2019)

Monthly Distribution Summary - September 2019

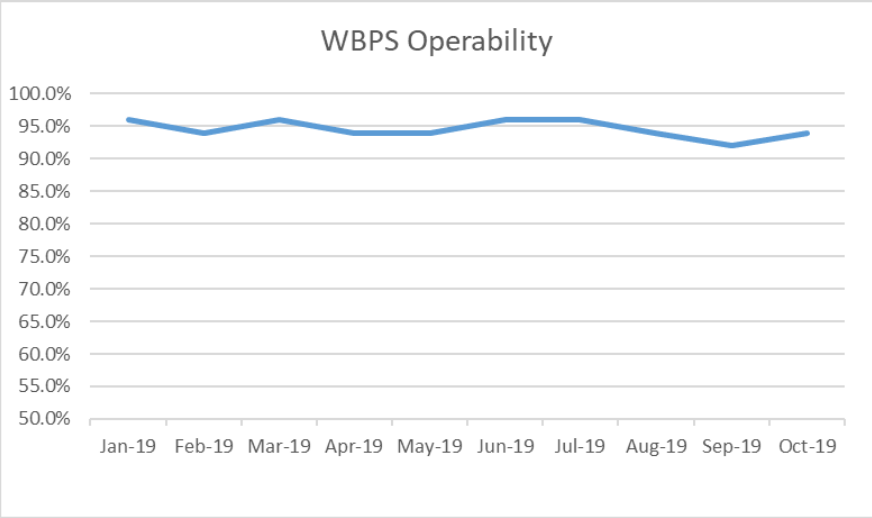
Water Booster Pump Stations

	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	20	18	90.0%
	Central	7	15	14	93.3%
	Southern	7	15	14	93.3%
		25	50	46	92.0%

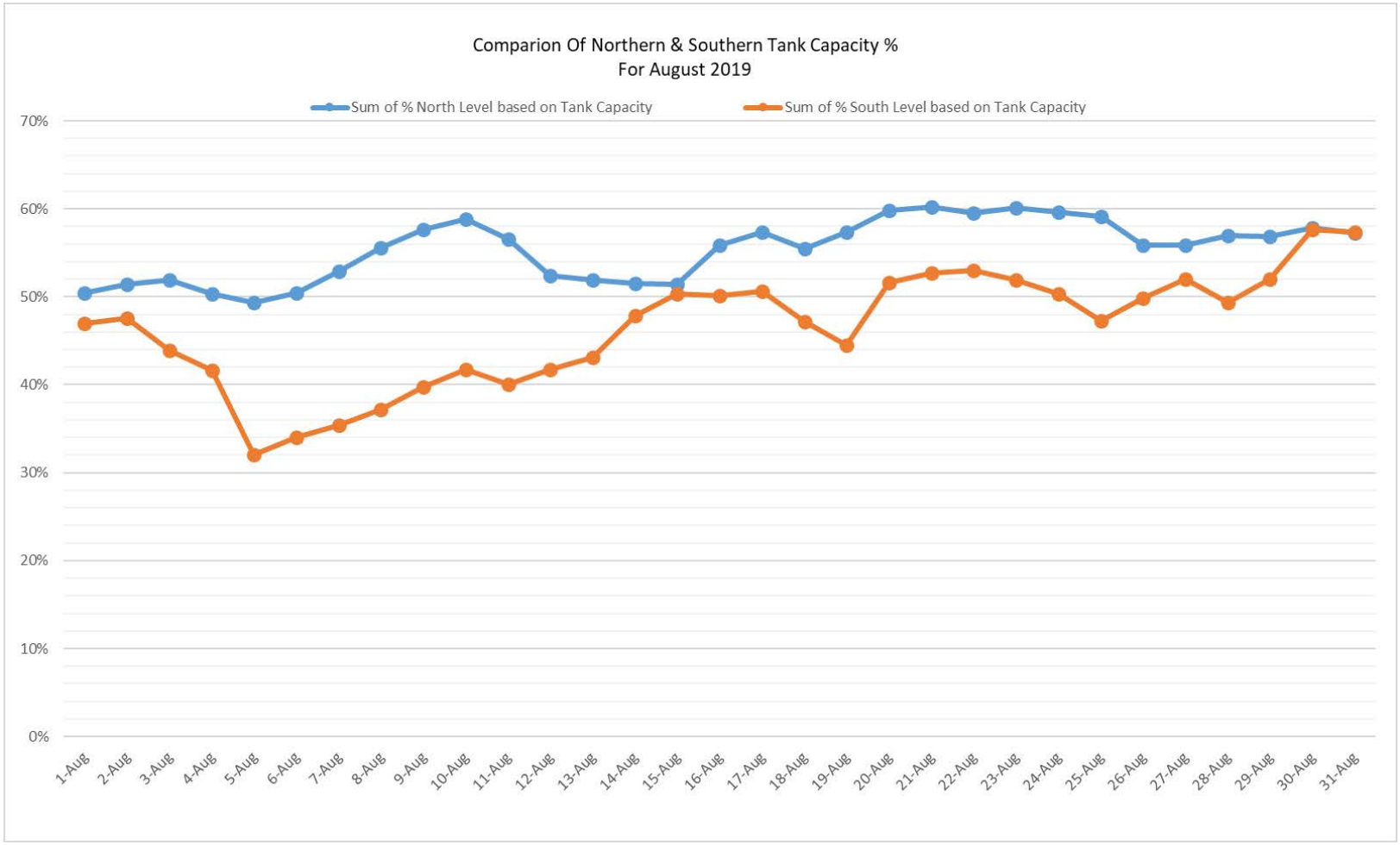


Distribution (October 2019)

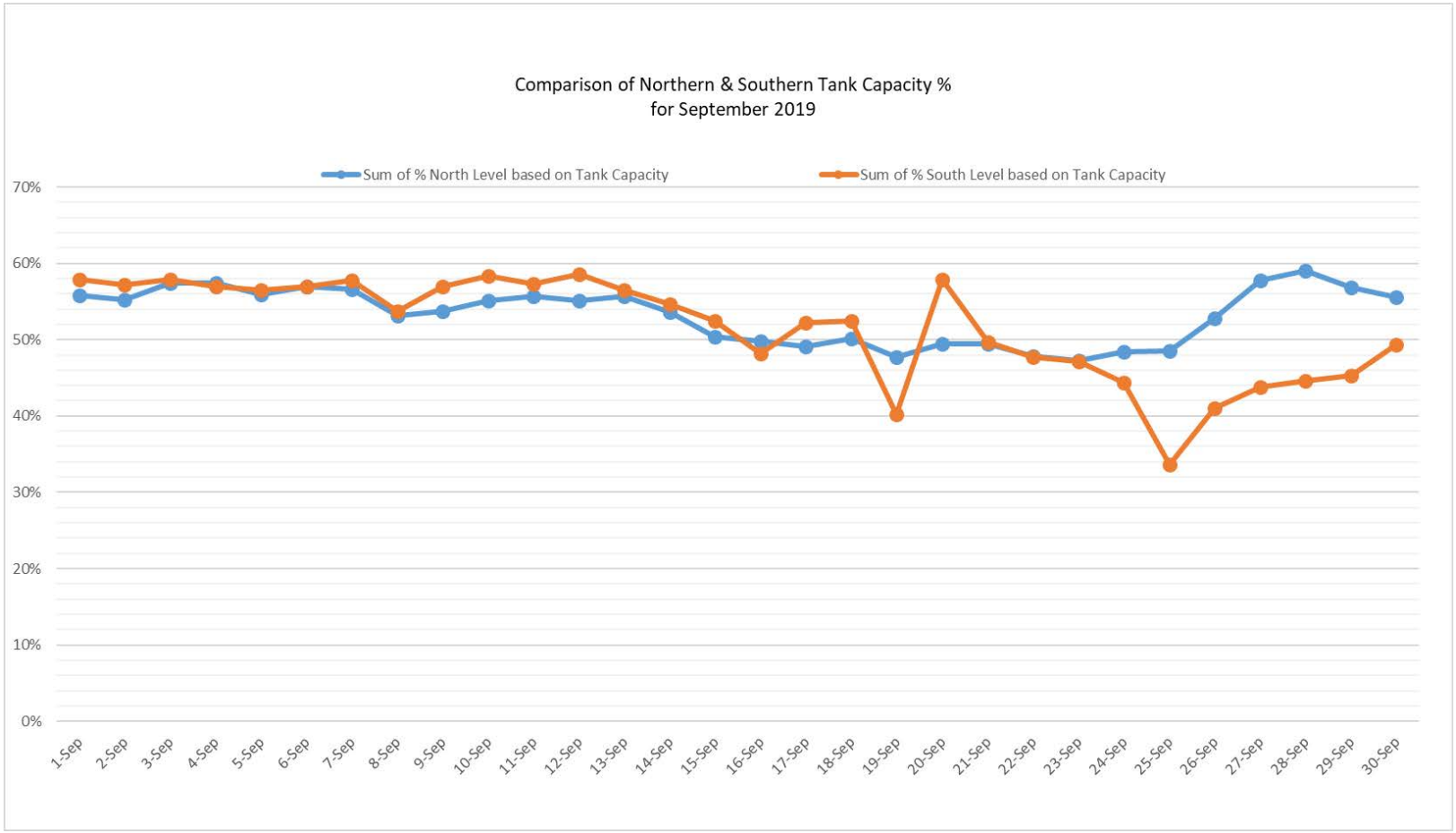
Monthly Distribution Summary - October 2019					
Water Booster Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	11	20	18	90.0%
	Central	7	15	15	100.0%
	Southern	7	15	14	93.3%
		25	50	47	94.0%



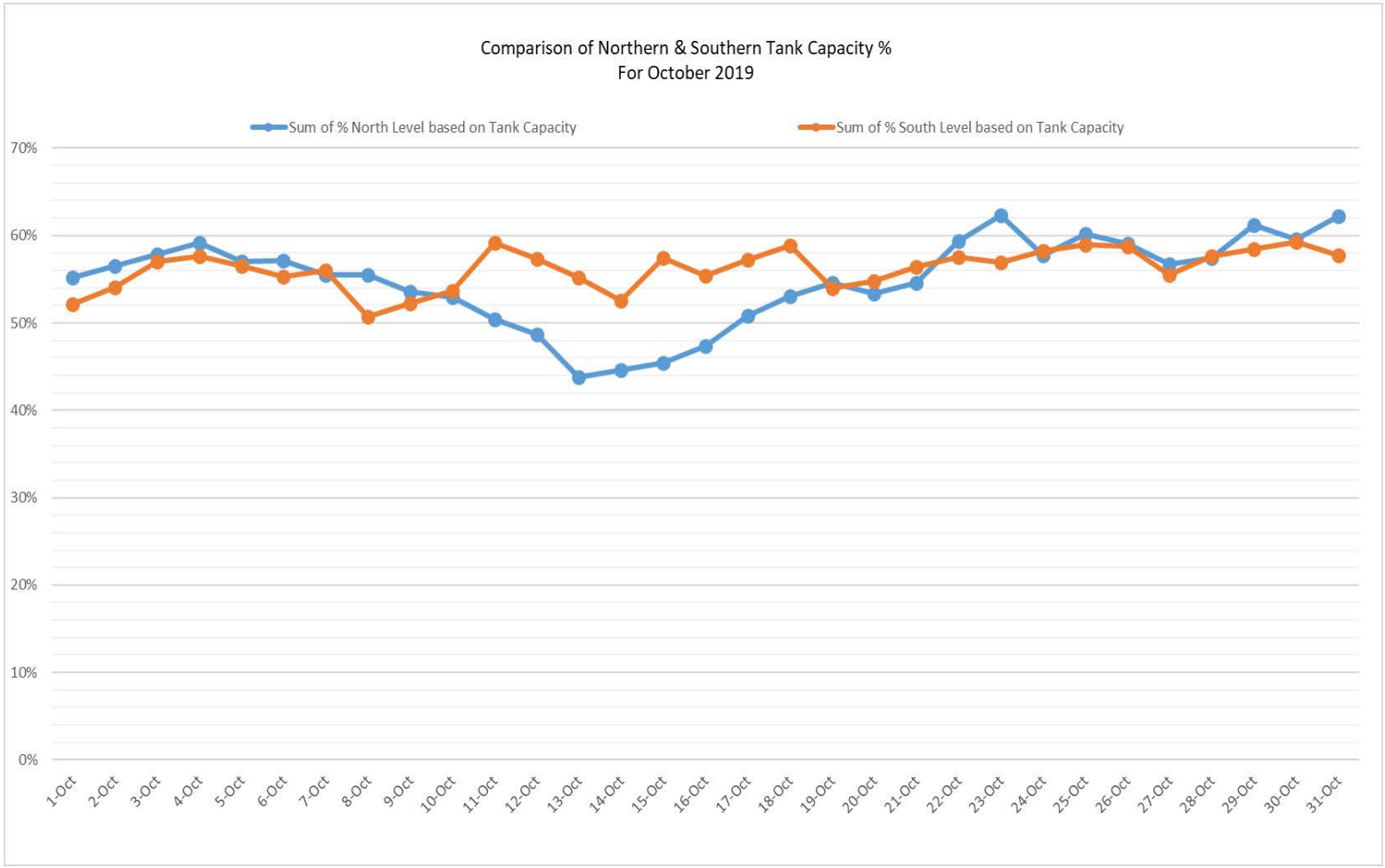
Distribution – Tank Levels (August 2019)



Distribution – Tank Levels (September 2019)

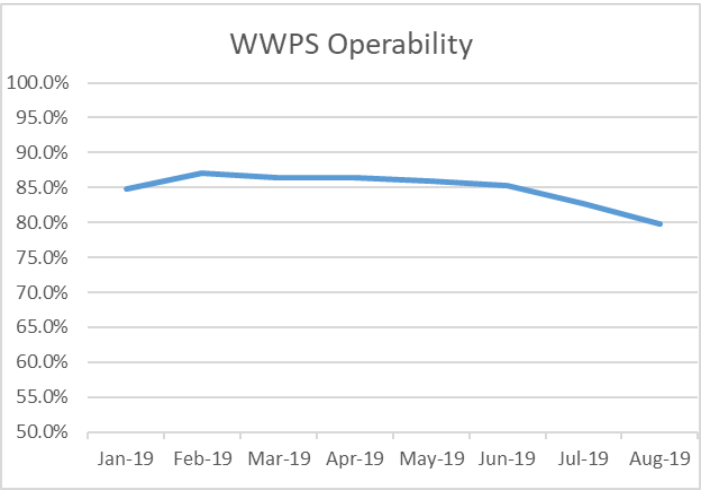


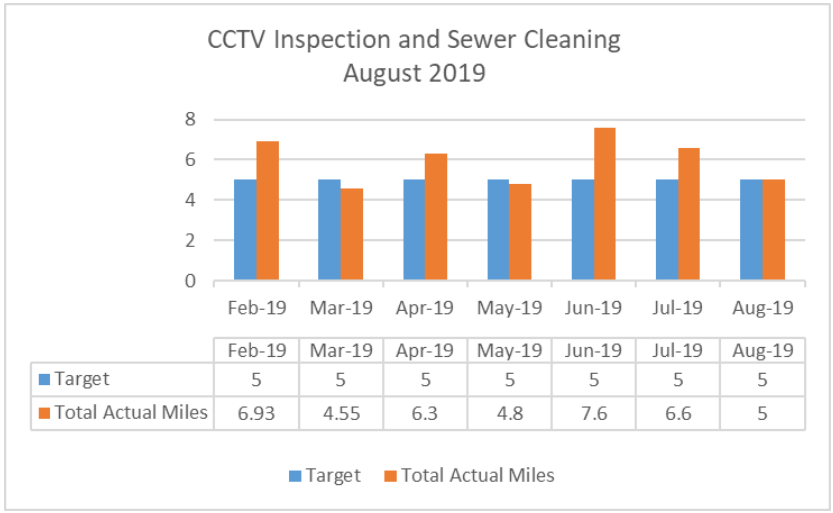
Distribution – Tank Levels (October 2019)



Wastewater Collections (August 2019)

Monthly Collections Summary - August 2019					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	40	76.9%
	Central	29	63	51	81.0%
	Southern	27	58	47	81.0%
		78	173	138	79.8%

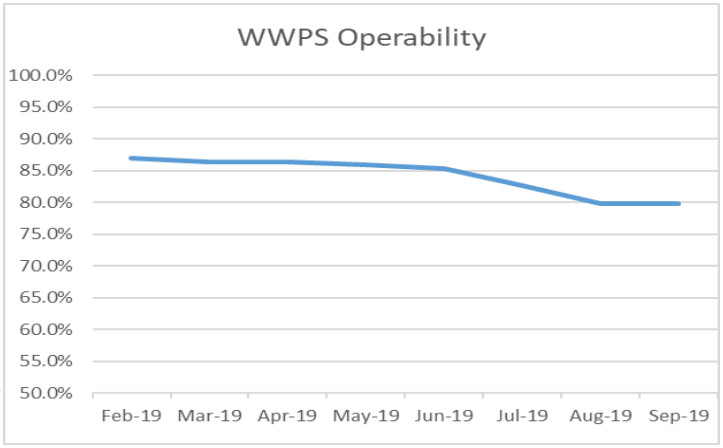


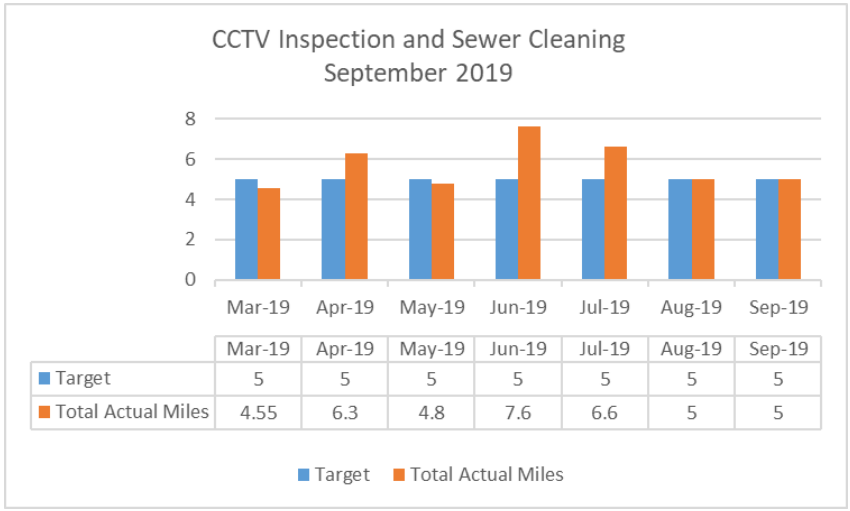


	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Target	5	5	5	5	5	5	5
Total Actual Miles	6.93	4.55	6.3	4.8	7.6	6.6	5

Wastewater Collections (September 2019)

Monthly Collections Summary - September 2019					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	40	76.9%
	Central	29	63	51	81.0%
	Southern	27	58	47	81.0%
		78	173	138	79.8%

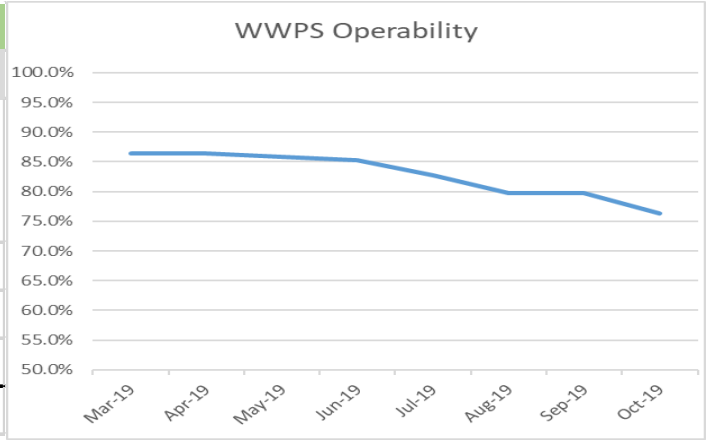


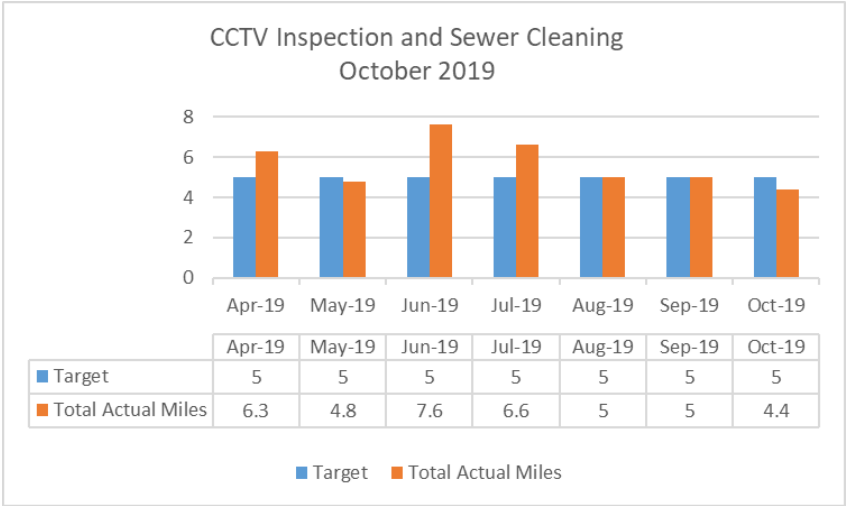


	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
Target	5	5	5	5	5	5	5
Total Actual Miles	4.55	6.3	4.8	7.6	6.6	5	5

Wastewater Collections (October 2019)

Monthly Collections Summary - October 2019					
Wastewater Pump Stations					
	District	No. of Stations	Total Pumps	Pumps Operating	% Operational
	Northern	22	52	38	73.1%
	Central	29	63	50	79.4%
	Southern	27	58	44	75.9%
		78	173	132	76.3%





	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19
Target	5	5	5	5	5	5	5
Total Actual Miles	6.3	4.8	7.6	6.6	5	5	4.4

Wastewater Collections –Cleaning/Jetting (August 2019)

Harmon Industrial Park



Jonestown, Tamuning



Wastewater Collections –Cleaning/Jetting (September 2019)

Ypao Road, Tamuning



Tamuning



Wastewater Collections –Cleaning/Jetting (September 2019)

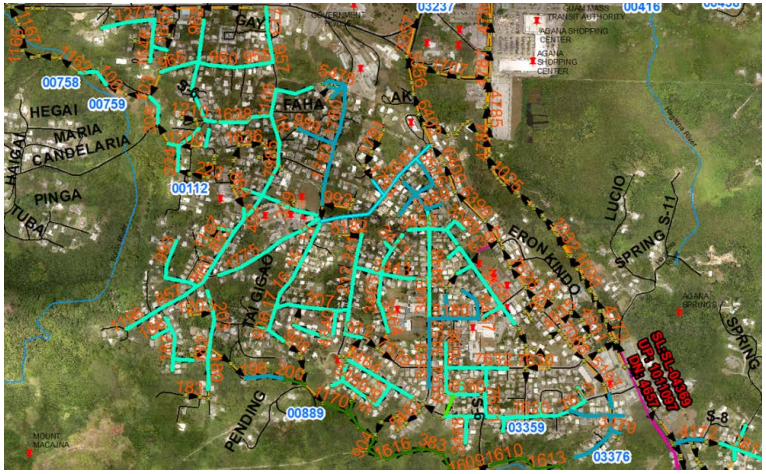
Jonestown, Tamuning



Doc. No. 35GL-19-1284.*

Wastewater Collections –Cleaning/Jetting (October 2019)

Agana Heights / Sinajana

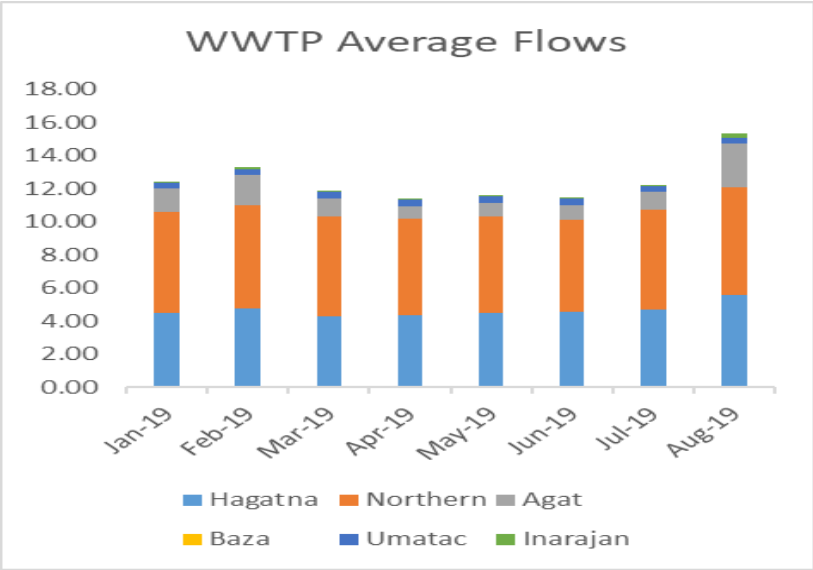


Mongmong-Toto-Maite



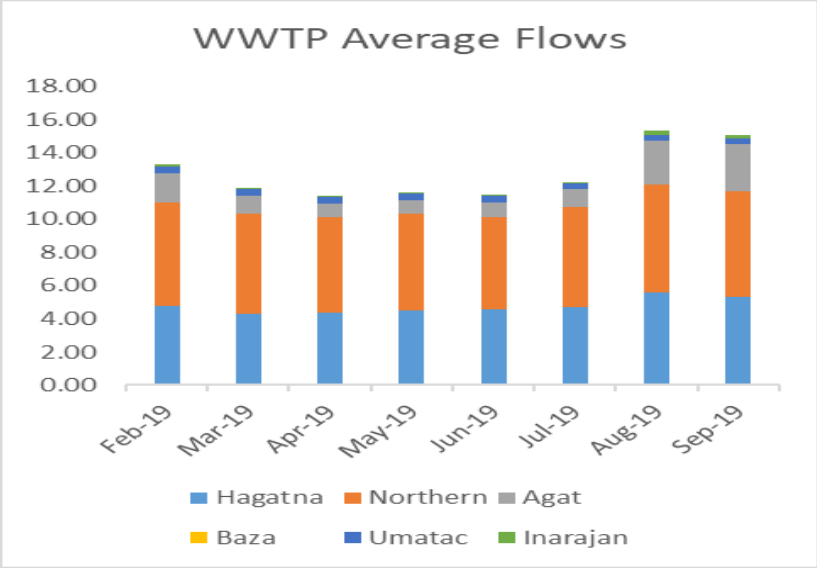
Wastewater Treatment (August 2019)

Monthly Wastewater Treatment Summary - August 2019				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	5.57	577,680	$ 51,991
	Northern	6.53	756,240	$ 68,061
	Agat	2.61		
	Baza	0		
	Umatac	0.39		
	Inarajan	0.22		
		15.32	1,333,920	$ 120,052



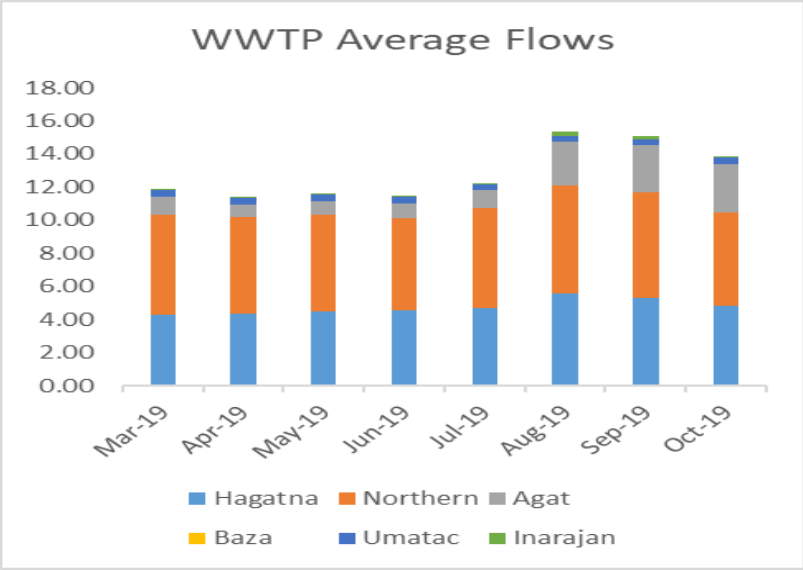
Wastewater Treatment (September 2019)

Monthly Wastewater Treatment Summary - September 2019				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	5.30	336,200	$ 30,258
	Northern	6.41	606,740	$ 54,606
	Agat	2.8		
	Baza	0		
	Umatac	0.39		
	Inarajan	0.15		
		15.05	942,940	$ 84,864



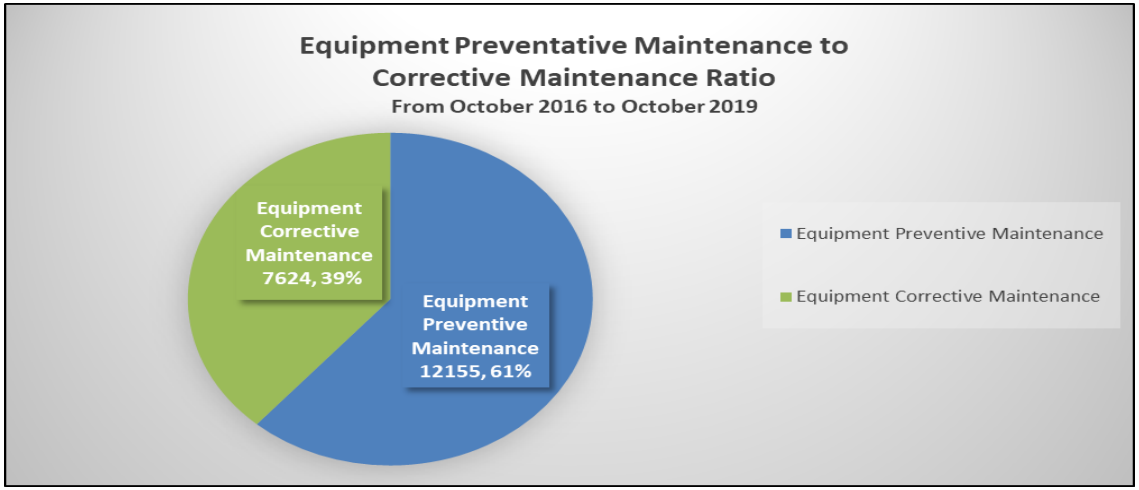
Wastewater Treatment (October 2019)

Monthly Wastewater Treatment Summary - October 2019				
WW Treatment Plants - Flows				
	Facility	**Avg. Daily Flows**	**Sludge (lbs)**	**Sludge Disp. ($)**
	Hagatna	4.83	532,200	$ 47,898
	Northern	5.62	697,260	$ 62,753
	Agat	2.93		
	Baza	0		
	Umatac	0.39		
	Inarajan	0.12		
		13.89	1,229,460	$ 110,651

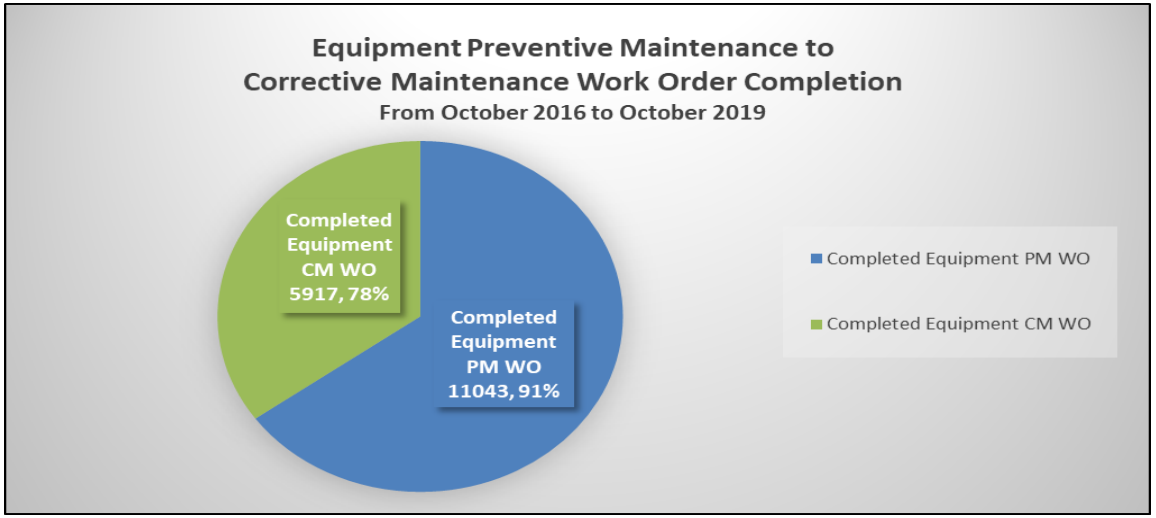


Asset Management (October 2019)

I. Equipment Preventive Maintenance to Corrective Maintenance ***Ratio***

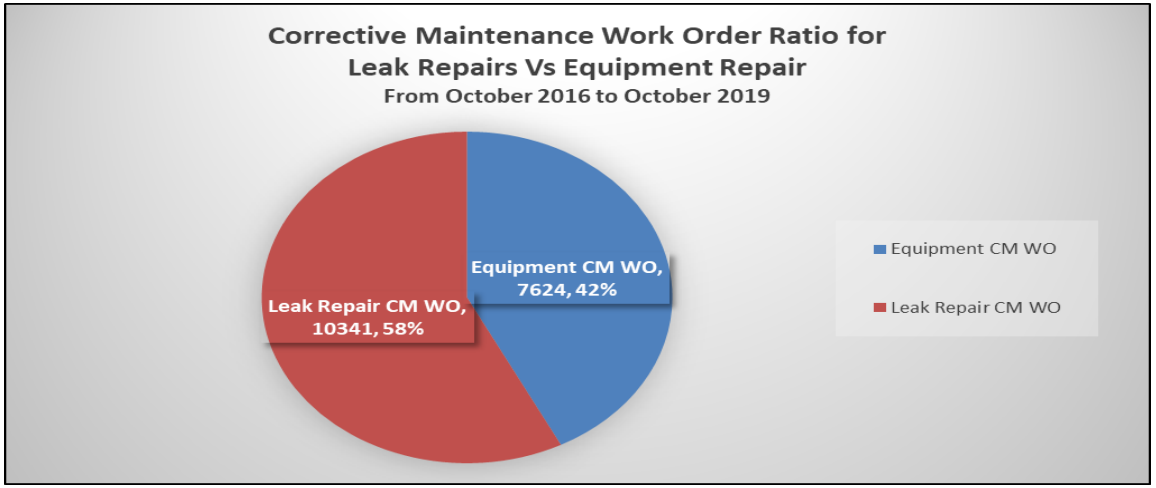


II. Equipment Preventive Maintenance to Corrective Maintenance ***Work Order Completion***

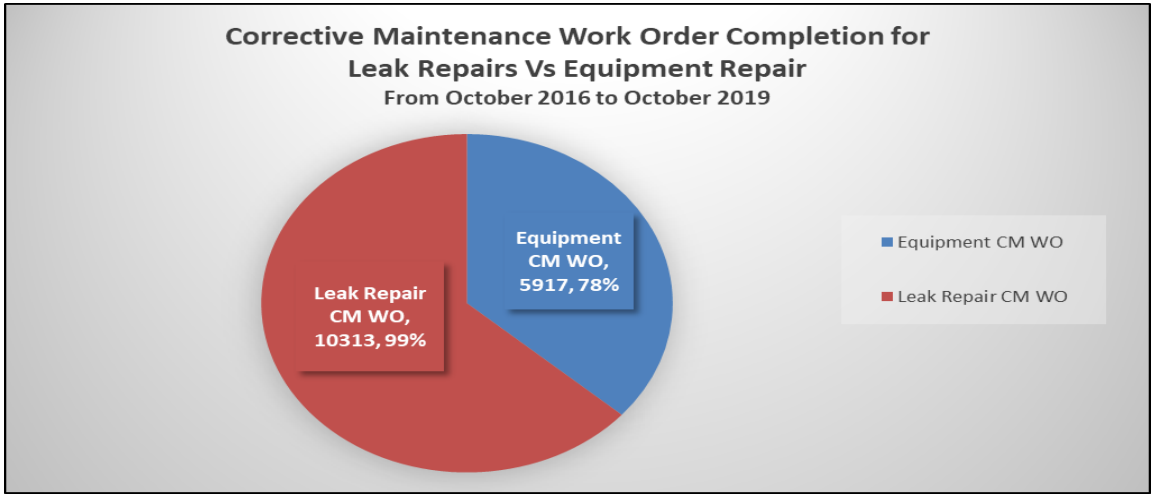


Asset Management (October 2019)

III. Corrective Maintenance Work Order ***Ratio*** for Leak Repairs vs. Equipment Repair

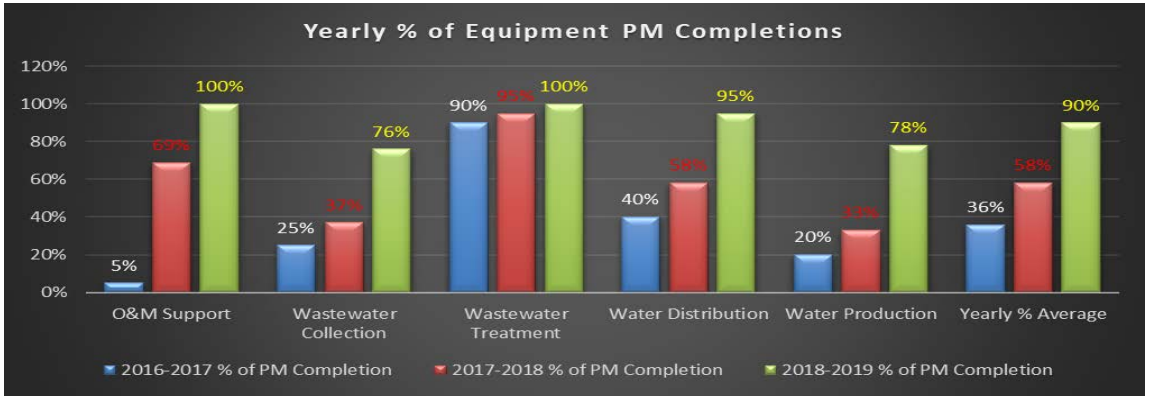


IV. Corrective Maintenance Work Order ***Completion*** for Leak Repairs vs. Equipment Repair

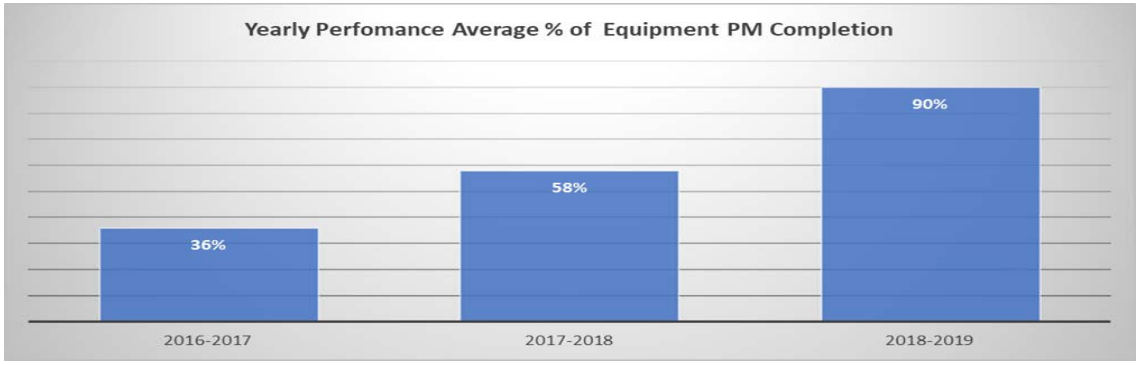


Asset Management (October 2019)

V. Yearly Summary % of Equipment PM Completion by Division



Division	2016-2017 % of PM Completion	2017-2018 % of PM Completion	2018-2019 % of PM Completion
O&M Support	5%	69%	100%
Wastewater Collection	25%	37%	76%
Wastewater Treatment	90%	95%	100%
Water Distribution	40%	58%	95%
Water Production	20%	33%	78%
Yearly % Average	**36%**	**58%**	**90%**



Operational Issues

Production & Distribution

- Handled storm preparation in early October well; reservoir levels were topped off without major issues using standby wells.
- Lost several wells during the storm; some distribution adjustments made to maintain reservoir levels because of Y-9 and F-11 wells going down
- Problems with line breaks on older ACP lines in
    - Toto-Canada
    - Casimiru (multi-day outage)

Wastewater Collection & Treatment

- Pump stations
    - Route 1 pump stations and bypasses continue to be an on-going challenge
    - Still waiting on pump and motor inventory
- Collection System:
    - Route 2 project nearing completion
    - Route 1 and Route 4 projects still in progress; traffic impacts are on-going
    - Route 3 and Route 9 interceptor work is about 41% complete
    - SSO in Mangilao (wetland area behind softball field) related to FOG buildup
        - GWA secured GEPA approval for maintenance of line in wetland in September
        - Cleaning and maintenance of line was scheduled, but spill occurred before we could get it done
        - Mitigation efforts coordinated with GEPA and Army Corps to get equipment access
- Hagatna WWTP
    - Clarifier #1 underwent repairs in October
    - Clarifier #3 change drive repairs in November
- Umatac-Merizo
    - Processes are on-line
    - Substantially complete
    - Ribbon cutting being scheduled for January

Meters from January 2017 through October 2019

COMPLETED FIELD ACTIVITY JAN 2017 THRU OCT 2019 (POSTED IN CIS)	2017	2018	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	TOTAL:	COMPLETED FIELD ACTIVITIES (IN PROCESS) TO BE POSTED IN CIS
GWA - Meter Exchange	6487	13353	158	140	444	1583	1212	922	862	455	1516	682	27814	217

# OF METERS TESTED AS PER METER TEST FACILITY REPORTS:	6079	12259	937	730	518	1231	1135	621	643	470	731	1158	26512
# OF FIELD CREW PERFORMING CHANGE OUTS (MON THRU FRI):	19.4	16.1	1	1	10	8	7	7	7	7	9	7	
# OF ADMIN STAFF TO CREATE AND POST FIELD ACTIVITIES IN CI	10	6.3	0	0	4	9	6	6	7	6	6	6	
TOTAL:	**29**	**22**	**1**	**1**	**14**	**17**	**13**	**13**	**14**	**13**	**15**	**13**	

REMAINING ACTIVE BADGER LP MODELS TO BE REPLACED AS OF Oct 31, 2019: ***5408***

3/4" BADGER METERS IN STOCK AS OF OCT 31 2019:

Size	Meter Description	New Meters Passed	New Meters Untested	Passed Field Meters	MMP	Meters Available
3/4"	METER, Badger AMR 5/8" X 3/4" RCDL Model M25 Disc Meter	981	912	13	0	1906
3/4"	METER, Badger AMR 5/8" x 3/4" **WARRANTY** RCDL Model M25	0	0	0	0	0
3/4"	METER,Badger 5/8"x3/4" NSF61-G RCDL M25LL Disc Meter Integral	582	0	3	0	585
3/4"	METER, Badger AMR 5/8" x 3/4" RCDL Model M25 ***RMI***	0	0	0	0	0
3/4"	METER, Badger E-SERIES 5/8"X3/4" ULTRASONIC	975	0	0	0	975

Backbilling through August 31, 2019

Guam Waterworks Authority

Collections Report[1] on Accounts Backbilled thru August 31, 2019

For fiscal years 2015, 2016, 2017 and 2019 (Aug 31)

Accounts Billed			Collection Status											
			Amounts Collected[1]			Amounts Adjusted			Total Uncollected (Active)			Total Uncollected (Inactive)		
FY Billed	No. of Accounts	Amount	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%
FY2015														
FY2016	17	$ 882	17	$ 882	100%	0	$ -		0	$ -		0	$ -	
FY2017	537	$ 397,245	472	302,594	76%	14	20,967	5%	27	48,150	12%	24	25,533	6%
FY2018	1,374	$ 742,109	1,212	560,397	76%	42	51,495	7%	74	92,405	12%	46	37,812	5%
FY2019	7,814	$ 2,937,182	6,631	1,481,177	50%	65	54,272	2%	948	1,315,586	45%	170	86,147	3%
Total	**9,742**	**$ 4,077,419**	**8,332**	**$ 2,345,051**	**58%**	**121**	**$ 126,734**	**3%**	**1,049**	**$ 1,456,141**	**36%**	**240**	**$ 149,493**	**4%**

[1] Collections thru September 16, 2019

Backbilling through September 30, 2019

Guam Waterworks Authority

Collections Report[1] on Accounts Backbilled thru September 30, 2019

For fiscal years 2015, 2016, 2017 and 2019 (Sep 30)

Accounts Billed			Collection Status											
			Amounts Collected[1]			Amounts Adjusted			Total Uncollected (Active)			Total Uncollected (Inactive)		
FY Billed	No. of Accounts	Amount	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%
FY2015														
FY2016	17	$ 882	17	$ 882	100%	0	$ -		0	$ -		0	$ -	
FY2017	537	$ 397,245	472	302,640	76%	14	20,967	5%	24	47,746	12%	27	25,892	7%
FY2018	1,374	$ 742,109	1,213	565,027	76%	44	58,154	8%	69	79,666	11%	48	39,262	5%
FY2019	8,327	$ 3,064,384	7,064	1,556,268	51%	86	80,843	3%	1,013	1,336,648	44%	164	90,624	3%
Total	**10,255**	**$ 4,204,621**	**8,766**	**$ 2,424,817**	**58%**	**144**	**$ 159,965**	**4%**	**1,106**	**$ 1,464,060**	**35%**	**239**	**$ 155,778**	**4%**

[1] Collections thru October 25, 2019

Backbilling through October 31, 2019

Guam Waterworks Authority

Collections Report[1] on Accounts Backbilled thru October 31, 2019

For fiscal years 2015 through 2020 (Oct)

Accounts Billed			Collection Status											
			Amounts Collected[1]			Amounts Adjusted			Total Uncollected (Active)			Total Uncollected (Inactive)		
FY Billed	No. of Accounts	Amount	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%	No. of Accounts	Amount	%
FY2015														
FY2016	17	$ 882	17	$ 882	100%	0	$ -		0	$ -		0	$ -	
FY2017	537	$ 397,245	472	322,558	81%	14	20,967	5%	24	29,833	8%	27	23,887	6%
FY2018	1,374	$ 742,109	1,218	574,467	77%	44	58,154	8%	65	70,172	9%	47	39,315	5%
FY2019	8,327	$ 3,064,384	7,448	1,704,218	56%	100	90,200	3%	614	1,188,420	39%	165	81,547	3%
FY2020	57	$ 8,259	18	1,720	21%	0	-	0%	39	6,539	79%	0	-	0%
Total	**10,312**	**$ 4,212,879**	**9,173**	**$ 2,603,845**	**62%**	**158**	**$ 169,321**	**4%**	**742**	**$ 1,294,964**	**31%**	**239**	**$ 144,750**	**3%**

[1] Collections thru November 18, 2019

One Guam Update

- Santa Rosa Tank
  - No update on AAFB response to request for data substantiating operational improvements.

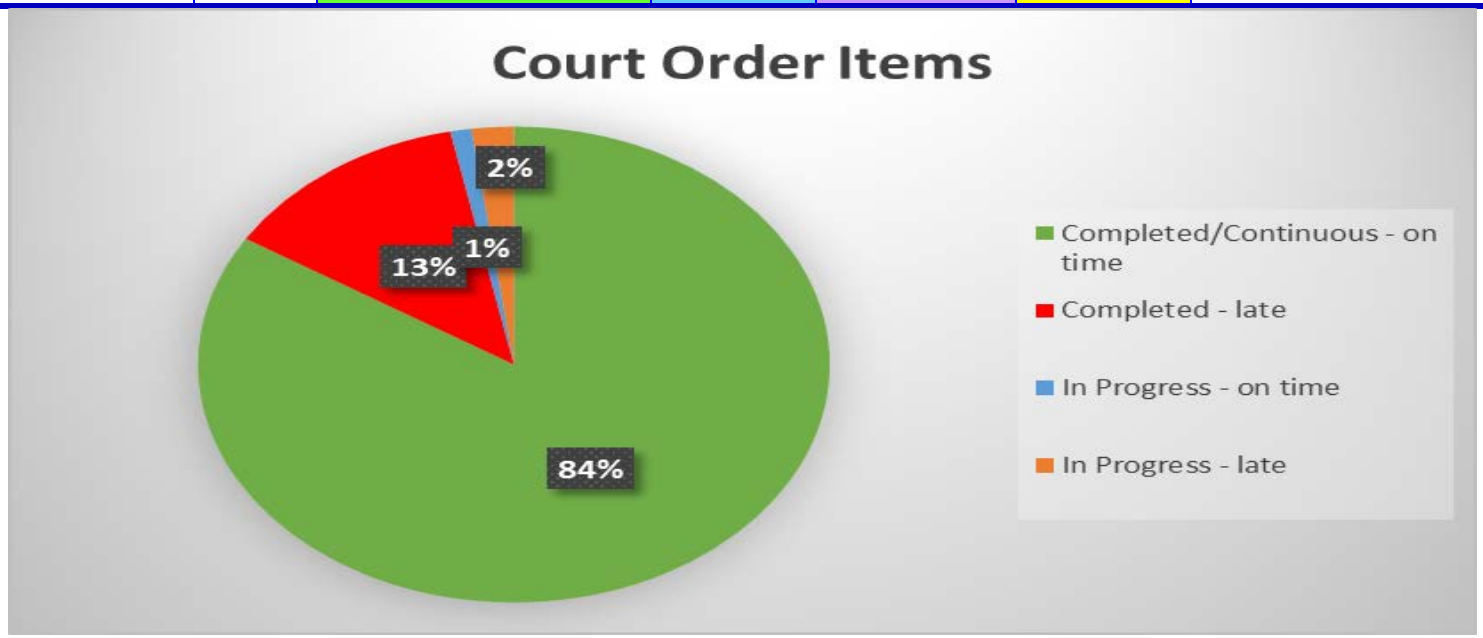
- OEA Projects
  - Working to coordinate remaining Rt 3 / RT 9 Interceptor work
  - Two new monitoring wells sites are being affected by MILCON projects; may have to slightly adjust sites – Navy assisting

- Property Transfers:
  - BPM-1 Monitoring Well: Property was transferred twice; waiting on Navy determination on course of action
  - Cabras waterline: pending completion of Navy CIP replacement
  - Murray Road Sewer Infrastructure: with installation for approval prior to D.C. approval
  - ACEORP water tunnel: Inspections are scheduled for this month

- PUC Rate Case Intervention
  - Navy willing to stipulate
  - Wants COS study

Court Order

	Items	On-time Items Completed/Continuous	Items Delayed	Completed Late	Items on Schedule	Performance %
Court order total	**93**	**78**	**2**	**12**	**1**	**97.8%**



Court Order

Status Information (for August 2019 and September 2019)

- 2 items delayed
  - Water Reservoir Repair. Replacement or Relocation program, CO II C 29(b)(6)(i) – (10 additional tanks by 7th CO anniversary). (Affects final date of the Court Order.)
  - Umatac-Merizo Wastewater Treatment Plant – **Being Commissioned *(formal upgrade startup)* this month (October)**
- Final Date to complete all Court Order items may be delayed past December 31, 2020. [CO 29(b) has been expanded by 31% beyond the original Court Order Requirements (General Counsel is reviewing filing requirements and content).]
- Overflow or Bypass events reported to USEPA:
  - (Note: GWA has contracted security services that continue to prevent well-site break-ins.)
  - 08-26-2019 CD-18 Barrigada PS, Barrigada; SSO
  - 08-26-2019 CD-25 Mamajanao PS, Tamuning; SSO.
  - 08-26-2019 CD-25 2nd Mamajanao PS, Tamuning; SSO
  - 08-26-2019 543 RT 1, Piti; SSO.
  - 08-26-2019 Serenu Avenue, Tamuning; SSO.
  - 08-26-2019 183 Rameriz St, Ordot; SB.
  - 09-02-2019 CD-20-Mongmong-SSO.
  - 09-05-2019 Mangilao baseball field SSO.
  - 08-04 to 09-05-Umatac Bypass Ends **(Note: this end-of-bypass coincides with the startup of the upgrade of Pump Station 19 which is expected to end this kind of bypass.)**

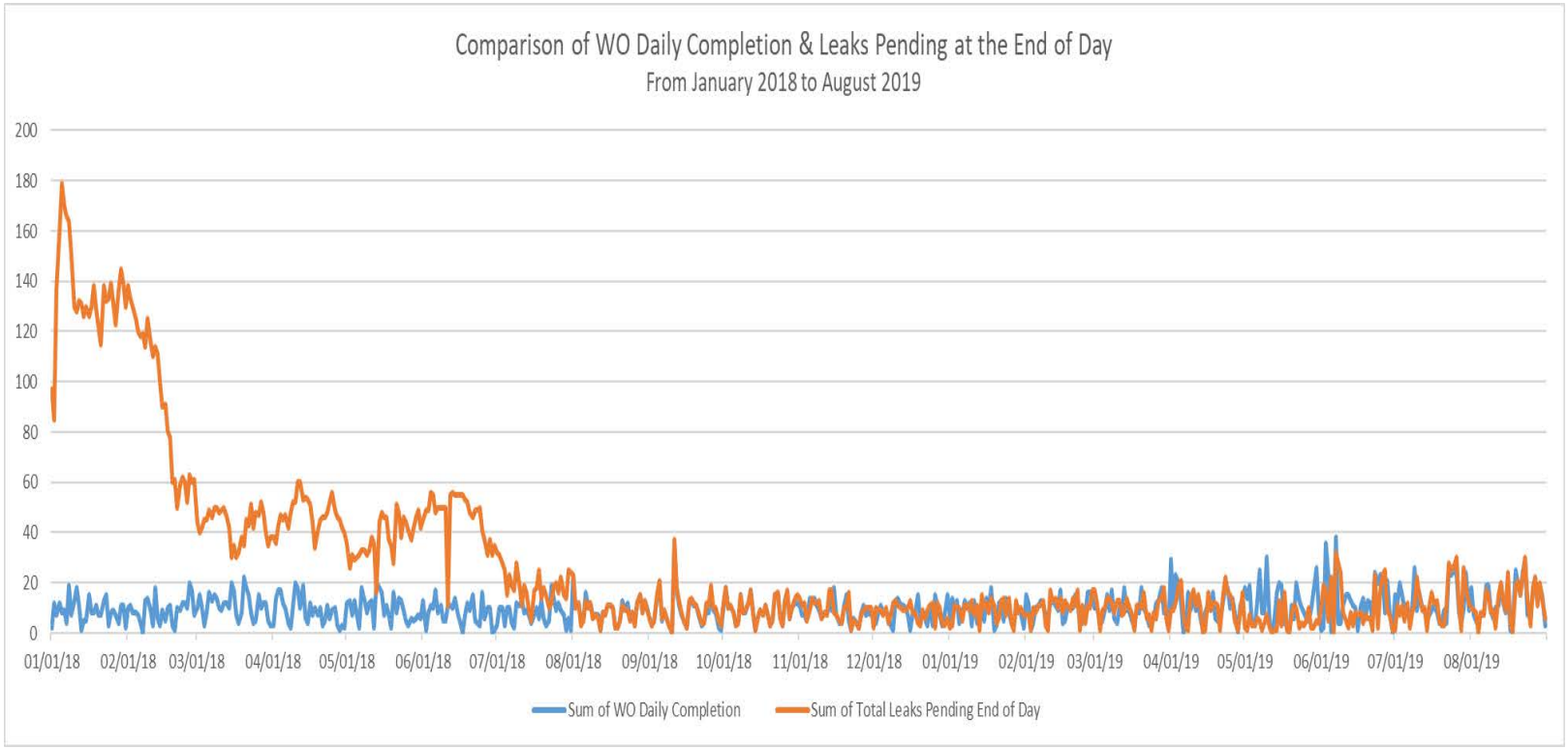
Status Information (for October 2019)

- 2 items delayed
  - Water Reservoir Repair. Replacement or Relocation program, CO II C 29(b)(6)(i) – (10 additional tanks by 7th CO anniversary). (Affects final date of the Court Order.)
  - Umatac-Merizo Wastewater Treatment Plant –**Formal Commissioning *(formal upgrade startup)* is under way.**
- Final Date to complete all Court Order items may be delayed past December 31, 2020. [CO 29(b) has been expanded by 31% beyond the original Court Order Requirements (General Counsel is reviewing filing requirements and content).]
- Overflow or Bypass events reported to USEPA:
  - 10-21-2019, Chalan Canton Tasi - PS-19 Merizo – Rain
  - 11-07-2019 MH behind Mangilao Mayor's office – FOG.

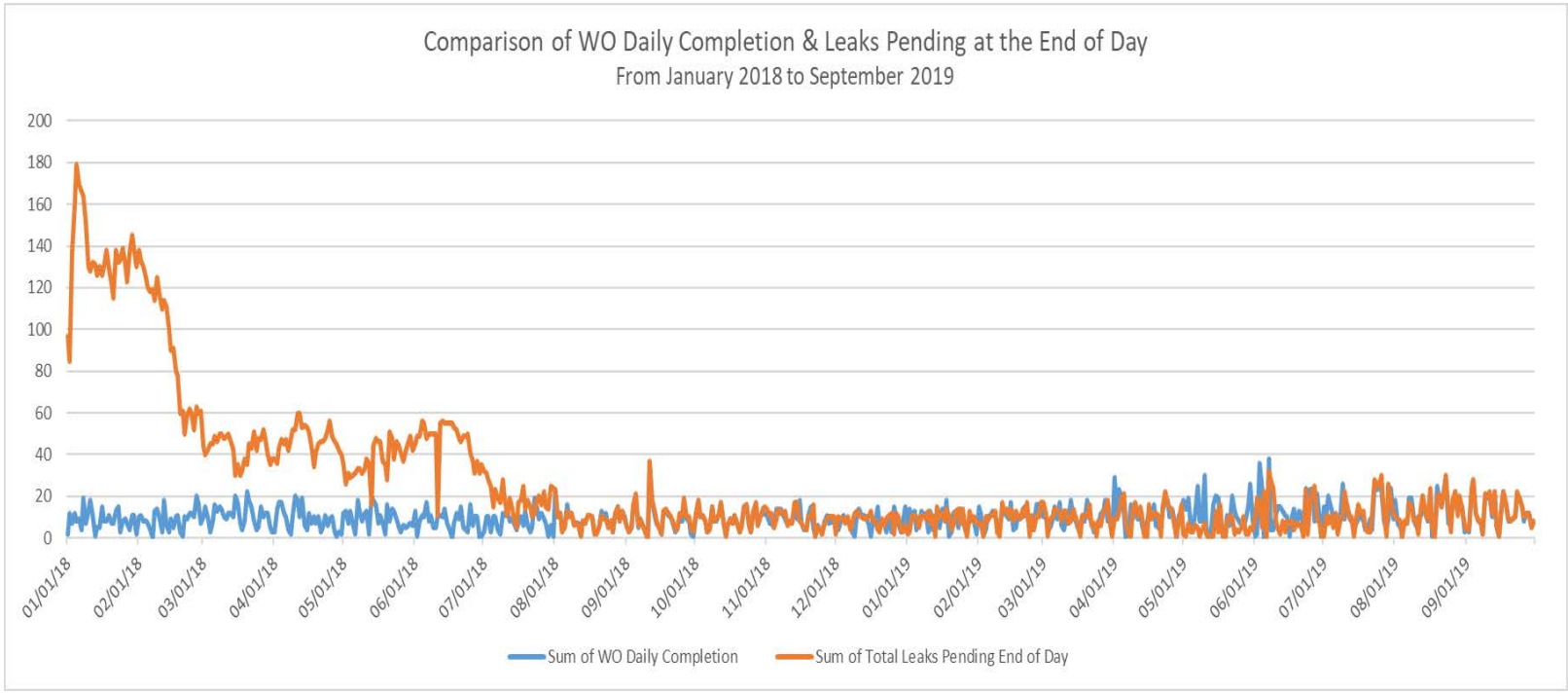
Land Acquisition Summary (as of October 2019)

GWA Facility	Location	Gov. or Private Property	Land Acquisition Status
Tanks	Astumbo	Gov't. - CLTC	Petition of Land Registration package forwarded to Attorney General by DLM 11/04/19.
	Piti	Private	Pending comments from Federal and GovGuam agencies on Section 106 documents 11/07/19.
Deep Wells	AG-12	Dept. of Agriculture/Manhita Farms	Right of Entry Agreement sent to Dept of AG for signature 05/24/18. 2nd follow up sent on 09/12/18. 3rd follow up sent on 04/10/19. Retracement Survey Property Map filed and recorded at DLM 7/10/19.
Booster Pump Station	Agfayan	Private	TGE working on structural design for pump station area for L28, B19, T3734, Inarajan 11/07/19.
Asan Springs	Asan	Federal	Pending comments from Federal and GovGuam agencies on Section 106 documents 11/07/19.

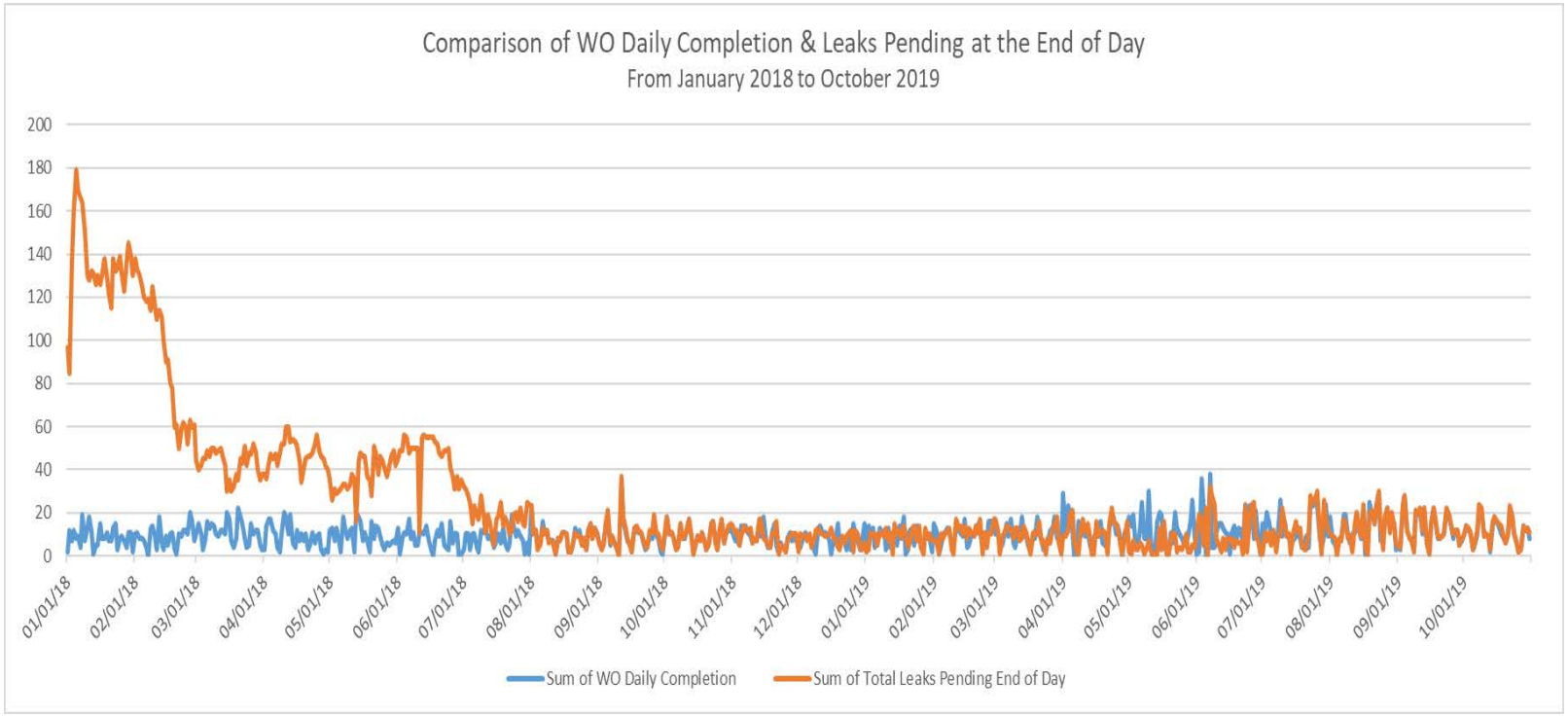
Leak Repair Summary (August 2019)



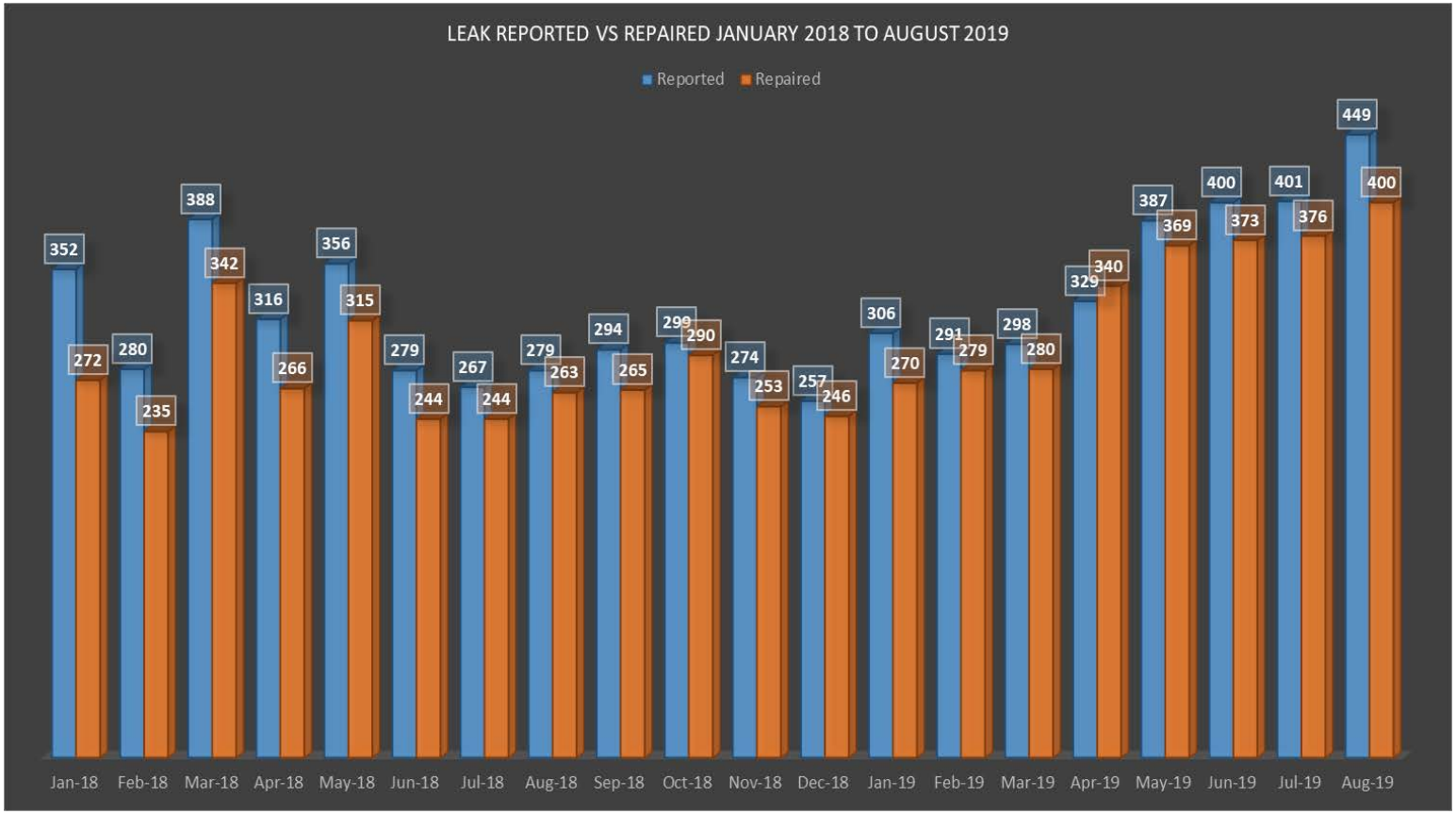
Leak Repair Summary (September 2019)



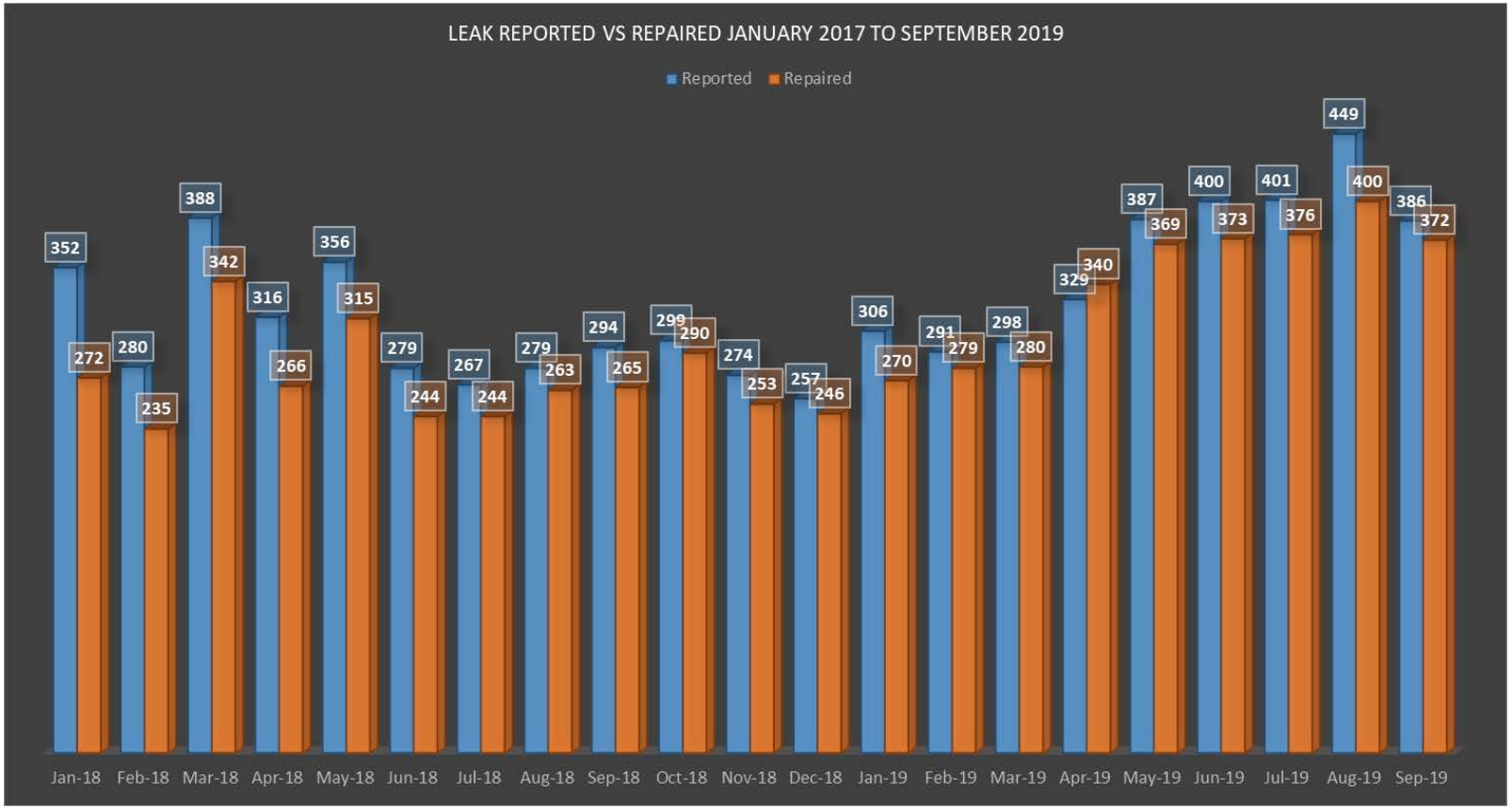
Leak Repair Summary (October 2019)



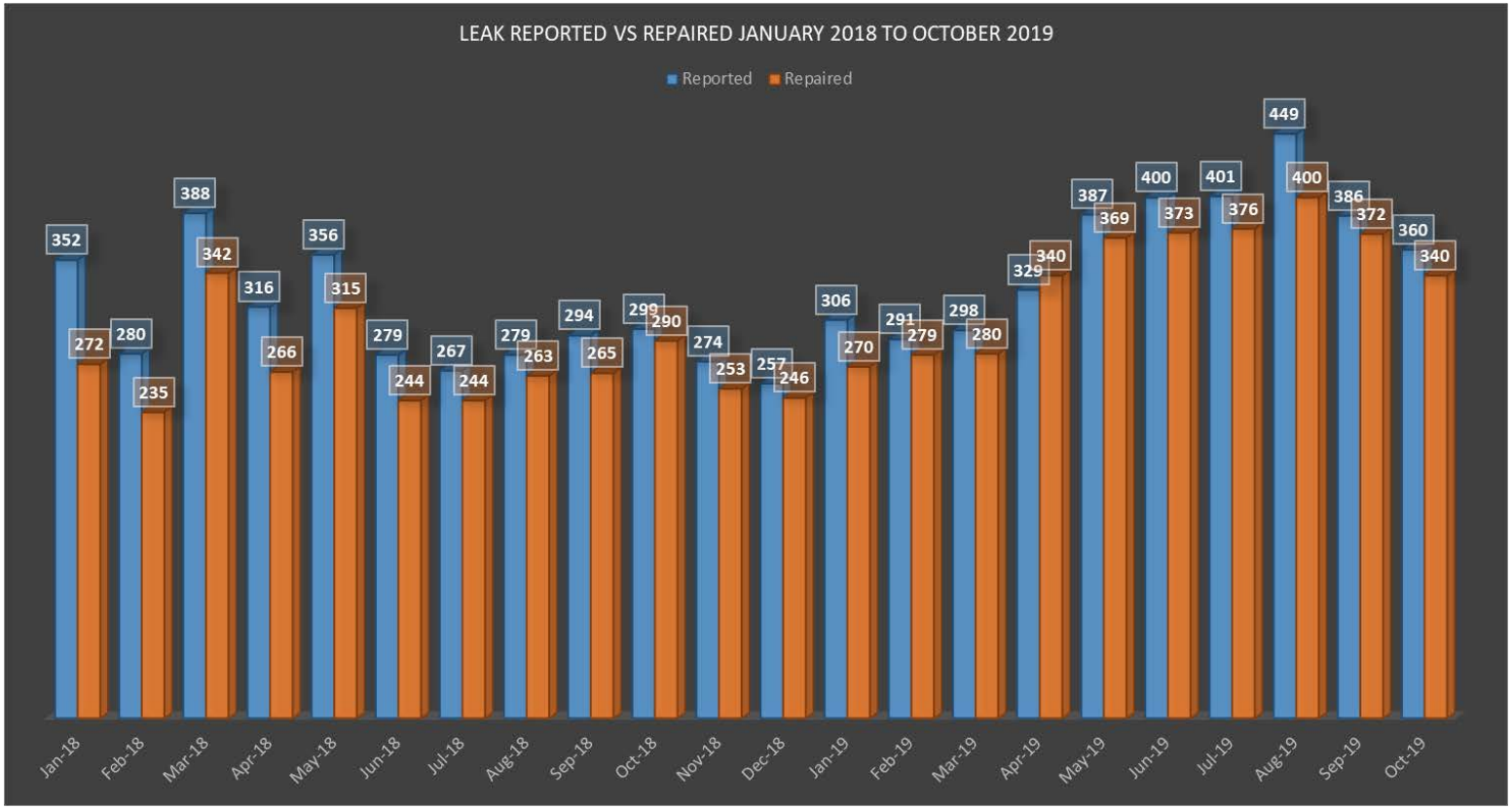
Comparison of Leaks Reported vs. Leaks Repaired (August 2019)



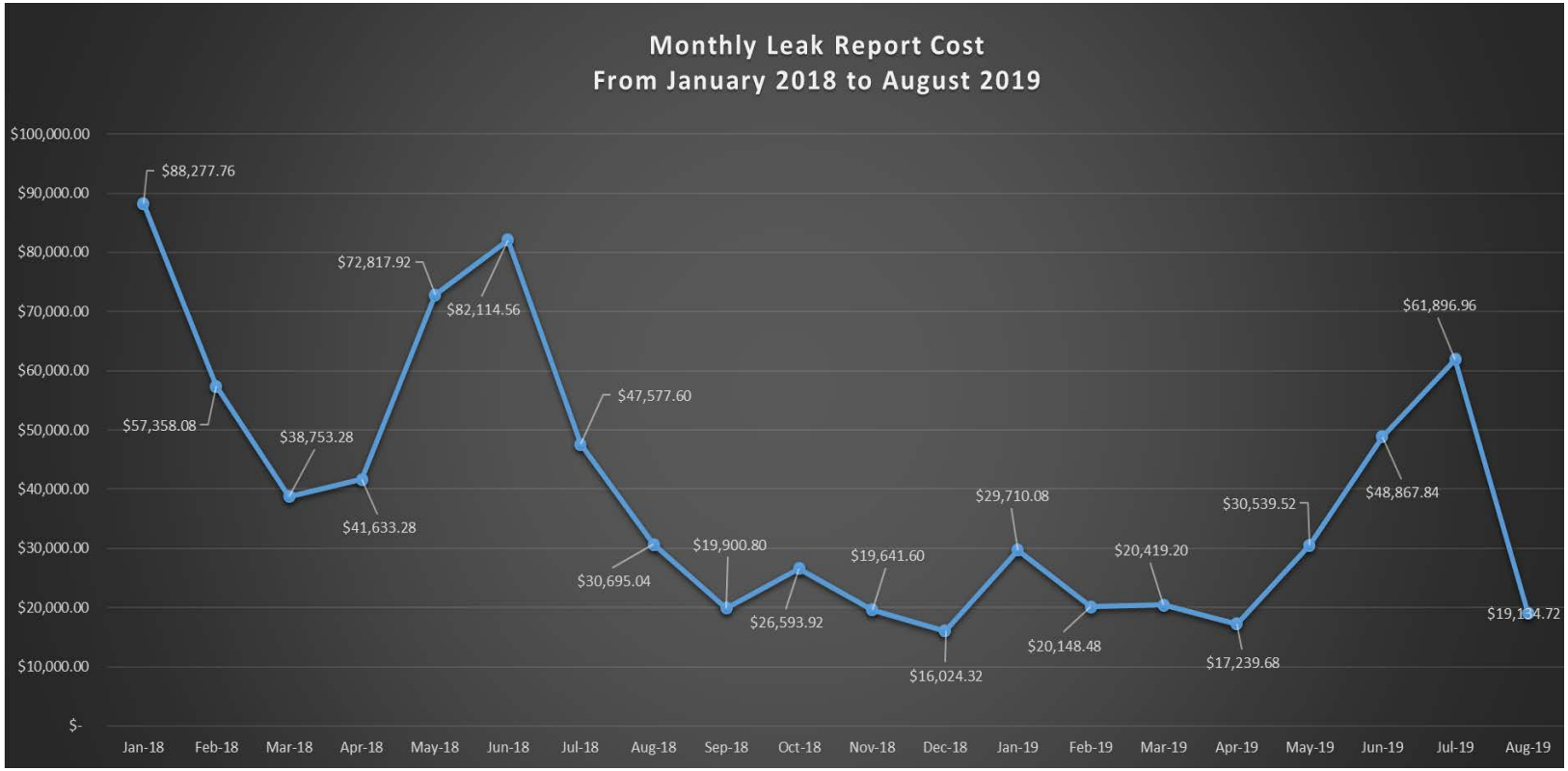
Comparison of Leaks Reported vs. Leaks Repaired (September 2019)



Comparison of Leaks Reported vs. Leaks Repaired (October 2019)



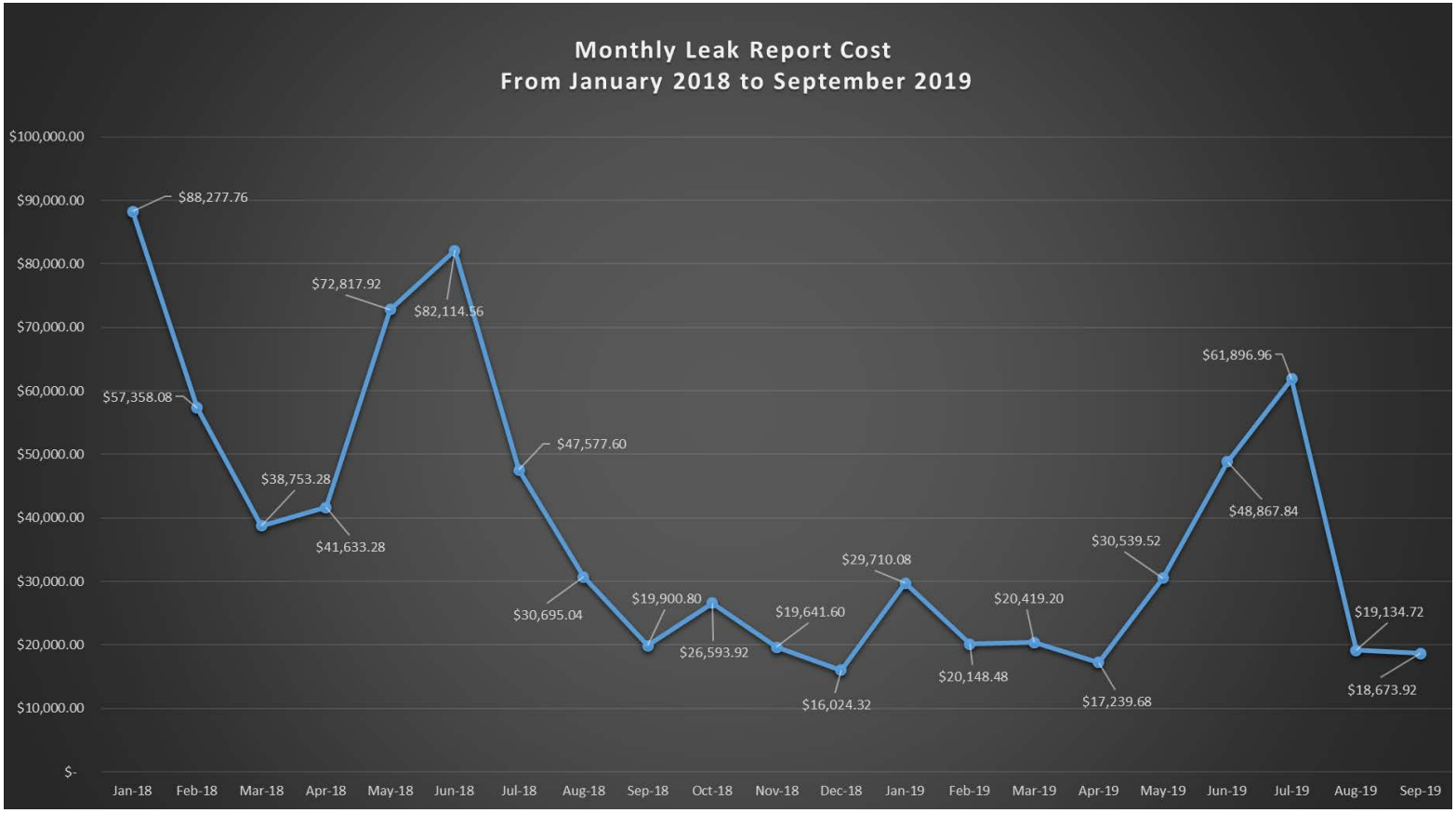
Monthly Leak Report Cost (August 2019)



Assumptions:

1. Leak rate = 4 gpm
2. Cost per kgal = $4.00

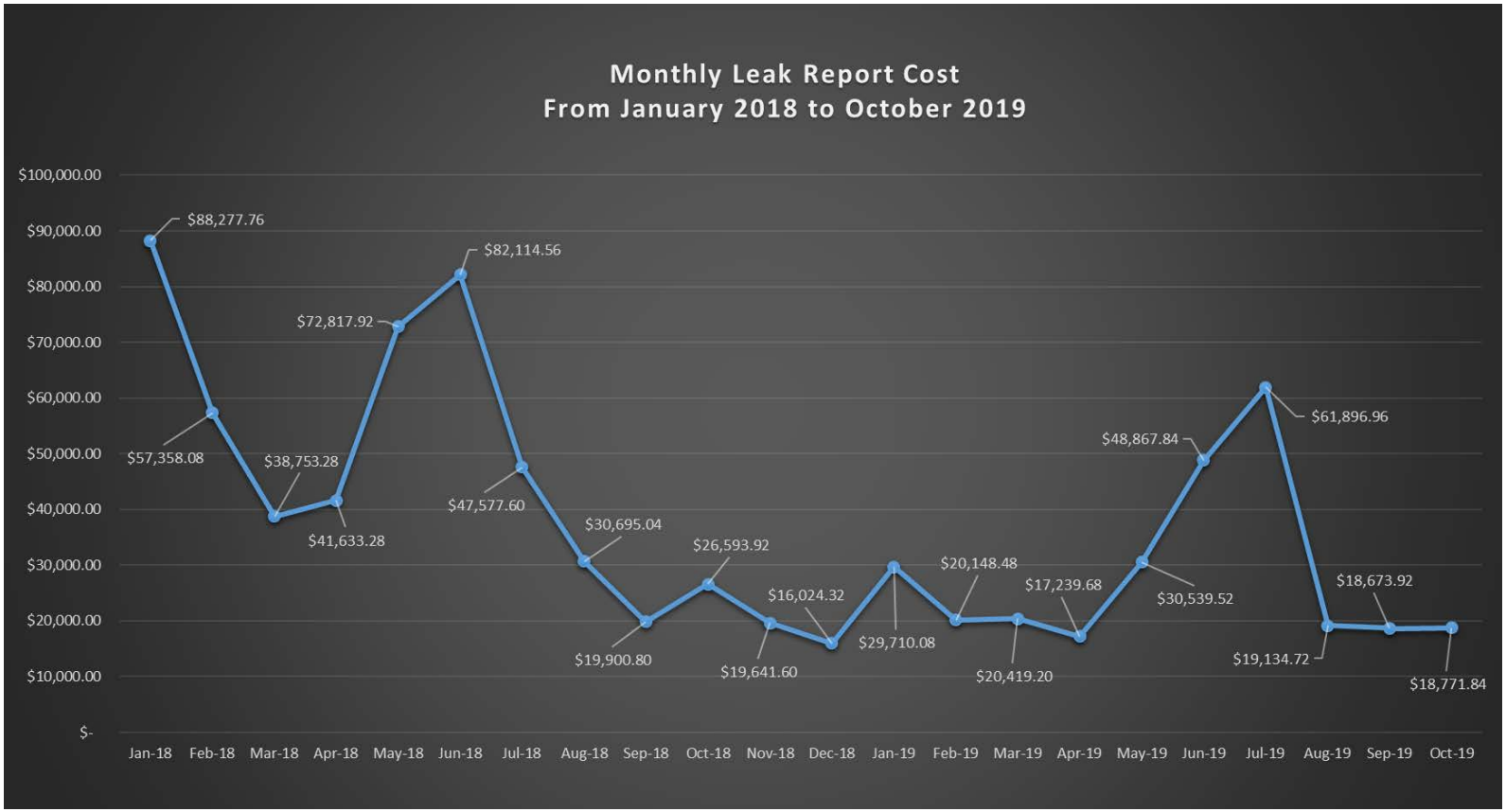
Monthly Leak Report Cost (September 2019)



Assumptions:

1. Leak rate = 4 gpm
2. Cost per kgal = $4.00

Monthly Leak Report Cost (October 2019)



Assumptions:

3. Leak rate = 4 gpm
4. Cost per kgal = $4.00

GUAM WATERWORKS AUTHORITY
OCTOBER 31, 2019
FINANCIAL AND RELATED REPORTS
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GUAM WATERWORKS AUTHORITY
Balance Sheet
October 31, 2019

SCHEDULE A

ASSETS AND DEFERRED OUTFLOWS OF RESOURCES	Unaudited October 31, 2019	Unaudited September 30, 2019	Increase (Decrease)
Current Assets			
Cash			
Unrestricted (Schedule F)	5,357,692	4,962,086	395,606
Restricted Funds (Schedule F)	84,196,462	86,441,373	(2,244,911)
Accounts Receivable Trade, Net of Allowance for Doubtful Receivables of $7,920,450 at Oct 31, 2019 and $7,789,943 at Sep 30, 2019	13,608,541	14,102,594	(494,053)
Federal Receivable	3,547,896	3,711,435	(163,539)
Other Receivable	1,846,840	1,800,184	46,657
Materials & Supplies Inventory, Net of Allowance for Obsolescence of $64,131 at Oct 31, 2019 and $64,131 at Sep 30, 2019	3,800,621	3,897,068	(96,447)
Total Current Assets	112,358,053	114,914,739	(2,556,687)
Property, Plant and Equipment			
Utility plant in service			
Water system	379,076,878	378,813,928	262,950
Wastewater system	300,490,900	300,467,162	23,738
Non-utility property	22,412,576	22,412,576	-
Total property	701,980,355	701,693,666	286,689
Less: Accumulated Depreciation	(326,246,864)	(324,318,849)	(1,928,015)
Land	3,914,815	3,914,815	-
Construction Work in Progress	238,521,697	237,909,919	611,778
Property, Plant and Equipment, net	618,170,003	619,199,551	(1,029,548)
Other noncurrent assets			
Restricted cash (Schedule F)	106,763,569	109,937,511	(3,173,942)
Investments (Schedule F)	46,711,610	43,808,664	2,902,946
Other Prepaid Expenses	4,600,896	1,547,424	3,053,472
Total other noncurrent assets	158,076,075	155,293,599	2,782,476
Total Assets	888,604,131	889,407,889	(803,758)
Deferred outflows of resources			
Debt defeasance due to bond refunding	11,907,404	11,976,385	(68,981)
Deferred outflows from pension	4,233,025	4,233,025	-
Deferred outflows from OPEB	9,070,814	9,070,814	-
Total Assets and Deferred Outflows of Resources	**913,815,374**	**914,688,113**	**(872,739)**
LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET ASSETS			
Current Liabilities			
Current maturities of long-term debt			
Series 2010 Bond	1,895,000	1,895,000	-
Series 2013 Bond	2,695,000	2,695,000	-
Series 2014 Refunding	3,760,000	3,760,000	-
Series 2016	420,000	420,000	-
Series 2017 Refunding	-	-	-
Notes Payable	2,045,449	2,319,108	(273,659)
Accounts Payable -Trade	4,458,839	3,988,567	470,272
Accrued and Other Liabilities	1,124,886	1,120,603	4,283
Interest Payable	8,468,396	6,359,303	2,109,093
Accrued Payroll and Employee Benefits	1,717,063	1,585,164	131,899
Accrued Annual Leave	1,054,545	1,054,545	-
Current portion of employee annual leave	584,204	584,204	0
Contractors' Payable	15,724,586	18,995,122	(3,270,536)
Customer and Other Deposits	2,222,160	2,329,296	(107,136)
Total Current Liabilities	46,170,129	47,105,912	(935,783)
Long Term Debt, less current maturities			
Series 2010 Revenue Bond	-	-	-
Series 2013 Revenue Bond	169,935,000	169,935,000	-
Series 2014 Refunding Bond	65,140,000	65,140,000	-
Series 2016 Revenue Bond	142,890,000	142,890,000	-
Series 2017 Refunding Bond	107,365,000	107,365,000	-
Unamortized Bond Premium/Discount	31,743,620	31,863,590	(119,970)
Notes Payable	0	0	(0)
Net pension liability	45,451,352	45,451,352	-
Net OPEB obligation	88,950,661	88,950,661	-
Employee Annual Leave, Less Current Portion	838,545	838,545	(0)
Total Liabilities	698,484,307	699,540,059	(1,055,752)
Deferred inflows of resources:			
Deferred inflows from pension	1,870,115	1,870,115	-
Deferred inflows from OPEB	8,741,900	8,741,900	-
Total Liabilities and Deferred Inflows of Resources	709,096,322	710,152,074	(1,055,752)
Net Assets	**204,719,053**	**204,536,039**	**183,013**
Total Liabilities, Deferred Inflows of Resources and Net Assets	**913,815,374**	**914,688,113**	**(872,739)**

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings **SCHEDULE B**
Comparative Budget vs. Actual for the period ending October 31, 2019

	Month to Date		Variance
	Budget October-19	Actual (Unaudited) October-19	Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,887,215	5,501,092	(386,123)
Wastewater Revenues	3,401,093	3,127,997	(273,096)
Legislative Surcharge	304,243	284,855	(19,389)
Other Revenues	38,254	36,908	(1,346)
System Development Charge	97,773	62,188	(35,585)
Total Operating Revenues	9,728,578	9,013,040	(715,537)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	687,577	600,000	87,577
Power Purchases	1,231,315	1,331,315	(100,000)
Total Utility Costs	1,918,892	1,931,315	(12,423)
Salaries and Wages	1,782,365	1,660,996	121,369
Pension and Benefits	562,238	547,099	15,138
Total Salaries and Benefits	2,344,603	2,208,095	136,508
Capitalized Labor and Benefits	(308,333)	(275,716)	(32,617)
Net Salaries and Benefits	2,036,269	1,932,379	103,890
Administrative and General Expenses			
Sludge removal	153,771	118,005	35,767
Chemicals	185,801	129,604	56,198
Materials & Supplies	188,606	118,168	70,438
Transportation	38,648	31,896	6,752
Communications	15,054	13,813	1,241
Claims	8,417	-	8,417
Insurance	79,461	77,860	1,601
Training & Travel	30,417	12,076	18,340
Advertising	12,500	1,284	11,216
Miscellaneous	92,632	50,066	42,566
Regulatory Expense	25,029	11,353	13,676
Bad Debts Provision	144,148	130,494	13,654
Total Administrative and General Expense	974,483	694,618	279,865
Depreciation Expense	1,759,065	1,928,015	(168,950)
Contractual Expense			
Audit & Computer Maintenance	58,783	57,738	1,046
Building rental	38,361	35,302	3,059
Equipment rental	79,980	57,880	22,099
Legal	512	600	(88)
Laboratory	34,862	22,907	11,955
Other	213,458	162,600	50,857
Total Contractual Expense	425,956	337,027	88,929
Retiree Supp. Annuities and health care costs	249,871	189,510	60,361
Contribution to Government of Guam	51,975	50,334	1,641
Total Retiree Benefits	301,846	239,844	62,002
Total Operating Expenses	7,416,512	7,063,198	353,314
Earnings (Loss) from Operations	2,312,066	1,949,842	(362,224)
Interest Income - 2010/13/14/16/17 Series Bond	84,943	229,627	144,684
Interest Income - Other Funds	13,856	59,794	45,938
Interest Income - SDC	2,072	13,191	11,119
Interest Expense - 2010/13/14/16/17 Series Bond	(2,387,785)	(2,117,099)	270,686
Interest Expense - ST BOG	(19,762)	(3,336)	16,426
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	1,157,306	-	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	(17,798)	119,970	137,768
Defeasance due to bond refunding	(16,201)	(68,976)	(52,775)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	-	-
Total non-operating revenues (expenses)	(1,183,369)	(1,766,829)	(583,460)
Net Income (Loss) before capital contributions	1,128,697	183,013	(945,684)
Capital Contributions			
Grants from US Government	5,533,205	-	(5,533,205)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	5,533,205	-	(5,533,205)
Change in Net Assets	6,661,902	183,013	(6,478,889)
Debt Service Calculation			
Earnings From Operations	2,312,066	1,949,842	
System Development Charge	(97,773)	(62,188)	
Retiree COLA	51,975	50,334	
Interest/Investment Income	13,856	59,794	
Depreciation	1,759,065	1,928,015	
Balance Available for Debt Service per Section 6.12	4,039,190	3,925,797	
Working Capital Reserve Available for Debt Service	934,811	965,043	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,974,001	4,890,840	
Debt Service			
Principal	730,833	730,833	
Interest	2,117,099	2,117,099	
Total	2,847,932	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.42	1.38	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75	1.72	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending October 31, 2019 and 2018

SCHEDULE C

	Month to Date Actual (Unaudited) October-19	Month to Date Actual (Unaudited) October-18	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,501,092	5,665,227	(164,135)
Wastewater Revenues	3,127,997	3,292,451	(164,453)
Legislative Surcharge	284,855	296,490	(11,636)
Other Revenues	36,908	56,585	(19,677)
System Development Charge	62,188	73,793	(11,605)
Total Operating Revenues	9,013,040	9,384,546	(371,506)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	600,000	523,155	76,845
Power Purchases	1,331,315	1,345,898	(14,583)
Total Utility Costs	1,931,315	1,869,054	62,261
Salaries and Wages	1,660,996	1,603,070	57,925
Pension and Benefits	547,099	511,965	35,134
Total Salaries and Benefits	2,208,095	2,115,035	93,060
Capitalized Labor and Benefits	(275,716)	(278,501)	2,785
Net Salaries and Benefits	1,932,379	1,836,535	95,844
Administrative and General Expenses			
Sludge removal	118,005	111,157	6,847
Chemicals	129,604	206,968	(77,364)
Materials & Supplies	118,168	186,482	(68,314)
Transportation	31,896	63,959	(32,063)
Communications	13,813	13,486	327
Claims	-	16,361	(16,361)
Insurance	77,860	76,286	1,575
Training & Travel	12,076	27,636	(15,560)
Advertising	1,284	10,173	(8,889)
Miscellaneous	50,066	84,244	(34,178)
Regulatory Expense	11,353	19,847	(8,494)
Bad Debts Provision	130,494	184,760	(54,266)
Total Administrative and General Expense	694,618	1,001,358	(306,740)
Depreciation Expense	1,928,015	1,774,950	153,065
Contractual Expense			
Audit & Computer Maintenance	57,738	76,757	(19,019)
Building rental	35,302	35,302	-
Equipment rental	57,880	111,616	(53,735)
Legal	600	996	(396)
Laboratory	22,907	12,379	10,528
Other	162,600	249,597	(86,997)
Total Contractual Expense	337,027	486,647	(149,620)
Retiree Supp. Annuities and health care costs	189,510	238,096	(48,587)
Contribution to Government of Guam	50,334	50,000	334
Total Retiree Benefits	239,844	288,096	(48,253)
Total Operating Expenses	7,063,198	7,256,641	(193,443)
Earnings (Loss) from Operations	1,949,842	2,127,906	(178,064)
Interest Income - 2010/13/14/16/17 Series Bond	229,627	328,695	(99,068)
Interest Income - Other Funds	59,794	69,146	(9,352)
Interest Income - SDC	13,191	14,941	(1,750)
Interest Expense - 2010/13/14/16/17 Series Bond	(2,117,099)	(2,132,613)	15,514
Interest Expense - ST BOG	(3,336)	(16,981)	13,646
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	1,157,306	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	119,970	119,752	217
Defeasance due to bond refunding	(68,976)	(69,534)	558
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(56,982)	56,982
Total non-operating revenues (expenses)	(1,766,829)	(586,270)	(1,180,559)
Net Income (Loss) before capital contributions	183,013	1,541,636	(1,358,622)
Capital Contributions			
Grants from US Government	-	1,800,850	(1,800,850)
Grants from GovGuam & Others	-	15,937	(15,937)
Total Capital Contributions	-	1,816,787	(1,816,787)
Change in Net Assets	183,013	3,358,422	(3,175,409)
Debt Service Calculation			
Earnings From Operations	1,949,842	2,127,906	
System Development Charge	(62,188)	(73,793)	
Retiree COLA	50,334	50,000	
Interest/Investment Income	59,794	69,146	
Depreciation	1,928,015	1,774,950	
Balance Available for Debt Service per Section 6.12	3,925,797	3,948,209	
Working Capital Reserve Available for Debt Service	965,043	963,645	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,890,840	4,911,854	
Debt Service			
Principal	730,833	476,250	
Interest	2,117,099	2,137,785	
Total	2,847,932	2,614,035	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.38	1.51	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.72	1.88	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative Budget vs. Actual for the period ending October 31, 2019

SCHEDULE D

	Year to Date Budget October-19	Year to Date Actual (Unaudited) October-19	Variance Favorable / (Unfavorable)
OPERATING REVENUES			
Water Revenues	5,887,215	5,501,092	(386,123)
Wastewater Revenues	3,401,093	3,127,997	(273,096)
Legislative Surcharge	304,243	284,855	(19,389)
Other Revenues	38,254	36,908	(1,346)
System Development Charge	97,773	62,188	(35,585)
Total Operating Revenues	9,728,578	9,013,040	(715,537)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	687,577	600,000	87,577
Power Purchases	1,231,315	1,331,315	(100,000)
Total Utility Costs	1,918,892	1,931,315	(12,423)
Salaries and Wages	1,782,365	1,660,996	121,369
Pension and Benefits	562,238	547,099	15,138
Total Salaries and Benefits	2,344,603	2,208,095	136,508
Capitalized Labor and Benefits	(308,333)	(275,716)	(32,617)
Net Salaries and Benefits	2,036,269	1,932,379	103,890
Administrative and General Expenses			
Sludge removal	153,771	118,005	35,767
Chemicals	185,801	129,604	56,198
Materials & Supplies	188,606	118,168	70,438
Transportation	38,648	31,896	6,752
Communications	15,054	13,813	1,241
Claims	8,417	-	8,417
Insurance	79,461	77,860	1,601
Training & Travel	30,417	12,076	18,340
Advertising	12,500	1,284	11,216
Miscellaneous	92,632	50,066	42,566
Regulatory Expense	25,029	11,353	13,676
Bad Debts Provision	144,148	130,494	13,654
Total Administrative and General Expense	974,483	694,618	279,865
Depreciation Expense	1,759,065	1,928,015	(168,950)
Contractual Expense			
Audit & Computer Maintenance	58,783	57,738	1,046
Building rental	38,361	35,302	3,059
Equipment rental	79,980	57,880	22,099
Legal	512	600	(88)
Laboratory	34,862	22,907	11,955
Other	213,458	162,600	50,857
Total Contractual Expense	425,956	337,027	88,929
Retiree Supp. Annuities and health care costs	249,871	189,510	60,361
Contribution to Government of Guam	51,975	50,334	1,641
Total Retiree Benefits	301,846	239,844	62,002
Total Operating Expenses	7,416,512	7,063,198	353,314
Earnings (Loss) from Operations	2,312,066	1,949,842	(362,224)
Interest Income - 2010/13/14/16/17 Series Bond	84,943	229,627	144,684
Interest Income - Other Funds	13,856	59,794	45,938
Interest Income - SDC	2,072	13,191	11,119
Interest Expense - 2010/13/14/16/17 Series Bond	(2,387,785)	(2,117,099)	270,686
Interest Expense - ST BOG	(19,762)	(3,336)	16,426
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	1,157,306	-	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	(17,798)	119,970	137,768
Defeasance due to bond refunding	(16,201)	(68,976)	(52,775)
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	-	-
Total non-operating revenues (expenses)	(1,183,369)	(1,766,829)	(583,460)
Net Income (Loss) before capital contributions	1,128,697	183,013	(945,684)
Capital Contributions			
Grants from US Government	5,533,205	-	(5,533,205)
Grants from GovGuam & Others	-	-	-
Total Capital Contributions	5,533,205	-	(5,533,205)
Change in Net Assets	6,661,902	183,013	(6,478,889)
Debt Service Calculation			
Earnings From Operations	2,312,066	1,949,842	
System Development Charge	(97,773)	(62,188)	
Retiree COLA	51,975	50,334	
Interest/Investment Income	13,856	59,794	
Depreciation	1,759,065	1,928,015	
Balance Available for Debt Service per Section 6.12	4,039,190	3,925,797	
Working Capital Reserve Available for Debt Service	934,811	965,043	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,974,001	4,890,840	
Debt Service			
Principal	730,833	730,833	
Interest	2,117,099	2,117,099	
Total	2,847,932	2,847,932	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.42	1.38	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.75	1.72	

GUAM WATERWORKS AUTHORITY
Statement of Operations and Retained Earnings
Comparative for the period ending October 31, 2019 and 2018

SCHEDULE E

	Year to Date Actual (Unaudited) October-19	Year to Date Actual (Unaudited) October-18	Variance Increase / (Decrease)
OPERATING REVENUES			
Water Revenues	5,501,092	5,665,227	(164,135)
Wastewater Revenues	3,127,997	3,292,451	(164,453)
Legislative Surcharge	284,855	296,490	(11,636)
Other Revenues	36,908	56,585	(19,677)
System Development Charge	62,188	73,793	(11,605)
Total Operating Revenues	9,013,040	9,384,546	(371,506)
OPERATING AND MAINTENANCE EXPENSES			
Water Purchases	600,000	523,155	76,845
Power Purchases	1,331,315	1,345,898	(14,583)
Total Utility Costs	1,931,315	1,869,054	62,261
Salaries and Wages	1,660,996	1,603,070	57,925
Pension and Benefits	547,099	511,965	35,134
Total Salaries and Benefits	2,208,095	2,115,035	93,060
Capitalized Labor and Benefits	(275,716)	(278,501)	2,785
Net Salaries and Benefits	1,932,379	1,836,535	95,844
Administrative and General Expenses			
Sludge removal	118,005	111,157	6,847
Chemicals	129,604	206,968	(77,364)
Materials & Supplies	118,168	186,482	(68,314)
Transportation	31,896	63,959	(32,063)
Communications	13,813	13,486	327
Claims	-	16,361	(16,361)
Insurance	77,860	76,286	1,575
Training & Travel	12,076	27,636	(15,560)
Advertising	1,284	10,173	(8,889)
Miscellaneous	50,066	84,244	(34,178)
Regulatory Expense	11,353	19,847	(8,494)
Bad Debts Provision	130,494	184,760	(54,266)
Total Administrative and General Expense	694,618	1,001,358	(306,740)
Depreciation Expense	1,928,015	1,774,950	153,065
Contractual Expense			
Audit & Computer Maintenance	57,738	76,757	(19,019)
Building rental	35,302	35,302	-
Equipment rental	57,880	111,616	(53,735)
Legal	600	996	(396)
Laboratory	22,907	12,379	10,528
Other	162,600	249,597	(86,997)
Total Contractual Expense	337,027	486,647	(149,620)
Retiree Supp. Annuities and health care costs	189,510	238,096	(48,587)
Contribution to Government of Guam	50,334	50,000	334
Total Retiree Benefits	239,844	288,096	(48,253)
Total Operating Expenses	7,063,198	7,256,641	(193,443)
Earnings (Loss) from Operations	1,949,842	2,127,906	(178,064)
Interest Income - 2010/13/14/16/17 Series Bond	229,627	328,695	(99,068)
Interest Income - Other Funds	59,794	69,146	(9,352)
Interest Income - SDC	13,191	14,941	(1,750)
Interest Expense - 2010/13/14/16/17 Series Bond	(2,117,099)	(2,132,613)	15,514
Interest Expense - ST BOG	(3,336)	(16,981)	13,646
Federal Expenditures	-	-	-
Loss on Asset Disposal	-	-	-
AFUDC	-	1,157,306	(1,157,306)
Amortization of Discount, Premium and Issuance Costs	119,970	119,752	217
Defeasance due to bond refunding	(68,976)	(69,534)	558
Deferred outflows from pension	-	-	-
Prior Year Adjustment	-	(56,982)	56,982
Total non-operating revenues (expenses)	(1,766,829)	(586,270)	(1,180,559)
Net Income (Loss) before capital contributions	183,013	1,541,636	(1,358,622)
Capital Contributions			
Grants from US Government	-	1,800,850	(1,800,850)
Grants from GovGuam & Others	-	15,937	(15,937)
Total Capital Contributions	-	1,816,787	(1,816,787)
Change in Net Assets	183,013	3,358,422	(3,175,409)
Debt Service Calculation			
Earnings From Operations	1,949,842	2,127,906	
System Development Charge	(62,188)	(73,793)	
Retiree COLA	50,334	50,000	
Interest/Investment Income	59,794	69,146	
Depreciation	1,928,015	1,774,950	
Balance Available for Debt Service per Section 6.12	3,925,797	3,948,209	
Working Capital Reserve Available for Debt Service	965,043	963,645	
Transfer to Working Capital - Debt Service Reserve	-	-	
Transfer to Working Capital - O&M Reserve	-	-	
Balance Available for Debt Service inclusive of reserves	4,890,840	4,911,854	
Debt Service			
Principal	730,833	476,250	
Interest	2,117,099	2,137,785	
Total	2,847,932	2,614,035	
Debt Service Coverage (1.25X) - per Section 6.12 (Indenture)	1.38	1.51	
Debt Service Coverage (1.75X) inclusive of reserves (PUC)	1.72	1.88	

GUAM WATERWORKS AUTHORITY
Restricted and Unrestricted Cash Summary
FY2019

SCHEDULE F

Description	Unaudited October 31, 2019	Unaudited September 30, 2019	Increase (Decrease)
UNRESTRICTED			
Change Fund	2,000	2,000	-
Petty Cash	4,450	4,450	-
BOG Deposit Accounts	5,351,243	4,955,636	395,606
Sub-total Unrestricted	**5,357,692**	**4,962,086**	**395,606**
RESTRICTED			
ANZ Bank	55	23	55.41
Bank Pacific	11,297	12,321	(1,024)
Bank of Hawaii	102,171	220,486	(118,315)
Community First FCU	2,463	2,530	(67)
First Hawaiian Bank	16,205	11,761	4,444
Bank Pacific Surcharge	604,647	302,801	301,846
Bank Pacific Escrow Deposit	836,425	836,425	-
BOG Customer Refunds	1,846,034	1,871,553	(25,518)
BOG Emergency Reserve Fund	6,237	6,237	1
BOG Sewer Hookup Revolving Fund	67,101	67,094	7
BOG Subordinate Security Fund	859,233	859,233	-
BOG Operation and Maintenance Fund	3,083,482	3,083,482	-
BOG OMRRRF Fund	17,423,213	17,423,213	-
BOG Revenue Trust	349,741	1,113,675	(763,934)
BOG Revenue Trust Fund	8,771,055	7,613,000	1,158,055
BOG Capital Improvement Revenue Fund	1,010,385	1,001,292	9,093
BOG O & M Reserve	13,953,535	13,933,323	20,212
BOG Debt Service Reserve	11,580,511	11,563,736	16,774
BOG CapEx Fund	14,391,040	17,244,823	(2,853,783)
	74,914,830	**77,167,007**	**(2,252,155)**
BOG - SDC Deposit	2,531,632	2,024,365	507,267
BOG - SDC CDs	6,750,000	7,250,000	(500,000)
Total SDC	**9,281,632**	**9,274,365**	**7,267**
Total Restricted	**84,196,462**	**86,441,373**	**(2,244,888)**
Reserve Funds			
BOG Series 2013 Construction Fund	13,947,450	14,170,759	(223,310)
BOG Series 2014 Refunding Construction Fund	217,774	217,448	326
BOG Series 2016 Construction Fund	86,281,090	89,235,554	(2,954,464)
BOG Series 2017 Refunding Construction Fund	6,317,256	6,313,750	3,506
Total Restricted - Held by Trustee	**106,763,569**	**109,937,511**	**(3,173,942)**
USB Series 2013 Debt Service Fund	4,088,169	3,082,212	1,005,957
USB Series 2013 Debt Service Reserve Fund	12,031,688	12,031,688	-
USB Series 2014 Refunding Debt Service Fund	2,488,340	1,885,637	602,703
USB Series 2014 Refunding Debt Service Reserve Fund	7,842,540	7,798,212	44,328
USB Series 2016 Debt Service Fund	2,581,257	1,946,774	634,483
USB Series 2016 Debt Service Reserve Fund	7,591,999	7,591,999	-
USB Series 2010 Debt Service Fund	689,800	523,353	166,447
USB Series 2017 Refunding Debt Service Reserve Fund	7,566,460	7,566,460	-
USB Series 2017 Debt Service Fund	1,831,358	1,382,329	449,029
Total Investments	**46,711,610**	**43,808,664**	**2,902,946**
Total Restricted and Unrestricted Cash	**243,029,334**	**245,149,634**	**(2,120,278)**

Guam Waterworks Authority
Accounts Receivable - Government (Active)
October 31, 2019

SCHEDULE G

		AGING					
Customer Name	**No. of Accounts**	**Current**	**31 - 60 days**	**61 - 90 days**	**91 - 120 days**	**Over 120 days**	**Total**
Guam International Airport Authority	5	$ 50,664	$ 60,428	$ 24,213	$ 8,535	$ 238,998	$ 382,838
Guam Power Authority	22	181,227	61	-	-	-	181,288
Port Authority of Guam	2	1,175	-	-	-	-	1,175
Guam Memorial Hospital Authority	1	1,971	2,054	-	-	-	4,025
Guam Housing & Urban Renewal Authority	7	2,690	505	-	-	-	3,196
Total Autonomous Agencies	**37**	**$ 237,727**	**$ 63,049**	**$ 24,213**	**$ 8,535**	**$ 238,998**	**$ 572,521**
Department of Education	51	$ 230,889	$ 194,174	$ 90,073	$ 11,770	$ 112,681	$ 639,588
Department of Parks & Recreation	16	51,773	31,478	-	-	-	83,251
Mayors Council of Guam	60	16,043	10,368	1,527	849	43,670	72,456
Department of Public Works	11	16,034	7,303	-	-	-	23,337
Department of Chamorro Affairs	5	6,218	487	557	-	-	7,262
Department of Public Health & Social Services	7	3,674	592	316	-	-	4,582
Guam Fire Department	8	3,942	-	-	-	-	3,942
Department of Agriculture	2	2,163	-	-	-	-	2,163
Department of Military Affairs/Guarng	1	1,623	-	-	-	-	1,623
Department of Youth Affairs	3	1,579	-	-	-	-	1,579
Sanctuary Inc	1	1,528	-	-	-	-	1,528
Guam Police Department	2	1,181	-	-	-	-	1,181
Division of Senior Citizens, DPH&SS	2	558	351	-	-	-	908
Office of Civil Defense	1	501	-	-	-	-	501
Guam Veterans Affairs Office	2	496	-	-	-	-	496
Deparment of Customs & Quarantine	1	389	-	-	-	-	389
Guam Public Library	4	289	-	-	-	-	289
The Office of The Dededo Mayor	1	122	133	-	-	-	255
Department of Administration	1	199	-	-	-	-	199
Merizo Mayor	1	64	62	-	-	-	126
Vietnam Veteran of America	1	59	-	-	-	-	59
Department of Corrections	1	53	-	-	-	-	53
Guam Housing Corporation	1	31	-	-	-	-	31
Total Line Agencies	**183**	**$ 339,407**	**$ 244,949**	**$ 92,473**	**$ 12,619**	**$ 156,351**	**$ 845,799**
Total as of October 31, 2019	**220**	**$ 577,134**	**$ 307,998**	**$ 116,686**	**$ 21,154**	**$ 395,349**	**$ 1,418,320**

Guam Waterworks Authority
System Development Charge
Report on Funding and Projects
As of October 31, 2019

Funding Summary	Collections on Principal	Collections on ASDC Interest	Total
Water	$ 5,896,516	36,770	5,933,286
Wastewater	6,023,319	18,606	6,041,925
	$ 11,919,835	**$ 55,376**	**$ 11,975,211**
Investment Income received			421,150
Total available project funds			**$ 12,396,361**

Projects Funded

Project Description	Expenditures	Outstanding Encumbrances	Expenditures and Encumbrances
Agat-Santa Rita Wastewater Treatment Plant Replacement	983,436	636,607	1,620,043
Baza Gardens Wastewater Cross Island Pumping & Conveyance	944,549	209,422	1,153,971
Central Guam Resevoirs		280,040	280,040
Line Replacement Phase IV		256,937	256,937
Northern DWWTP		5,422,599	5,422,599
Northern DWWTP (Land Purchase)	1,000,000		1,000,000
Route 4 Relief Sewerline Rehab & Replacement		399,869	399,869
South Paulino Heights Waterline Upgrade	71,104	4,972	76,076
Talofofo Sewer Improvement		241,142	241,142
Total	**$ 2,999,089**	**$ 7,451,587**	**$ 10,450,676**

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 07-FY2020
Relative to Contract Renewal Under Indefinite Quantity Contract with JMI Edison for Submersible Pump and Motor Inventory for Deep Wells

What is the project's objective and is it necessary and urgent?
This request will be used in purchasing pumps and motors to improve reliability of GWA's water supply system. The project is to provide submersible pumps and motors to GWA Deep Wells to ensure adequate stock is available at all times and bring back online existing down wells. The objective is to maintain adequate pumps and motors in inventory at all times.

Where is the location?
GWA Island-wide Deep-well Production Facilities.

How much will it cost?
Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11)

Actual Total Purchases	Motors	Pumps	Total	Ave / Qtrly	Start Date	End Date
	91	123	214			
3 Year contract	$679,389.14	$403,511.28	$1,082,900.42	$120,322.27	5-Jun-15	4-Jun-18

**2019 Estimated Order	Est Qty Qtrly Order	2019 Revised Order	One Year Order
2019 Motor Spares	13	$103,965.05	$415,860.18
2019 Pump Spares	24	$80,251.59	$321,006.37
TOTAL AMOUNT		**$184,216.64**	**$736,866.55**

**PUC Docket 19-02, Approved Nov. 29, 2018.

***2020 TOTAL	Est Qtrly Order	Est Qtryl Cost	2020 TOTAL Qty	2020 TOTAL COST
2020 Motor Spares	15	$111,742.44	60	$446,969.74
2020 Pump Spares	20	$66,783.09	79	$267,132.37
	35	**$178,525.53**	**139**	**$714,102.11**

***CCU and PUC Approval Request, Nov. 19, 2019.**

When will it be completed?
The indefinite quantity contract was in place for an initial term of 3 years and two (2) years one-year option to renew. Purchases will be ongoing on an as-needed basis over the life of the contract term.

Contract Term	Three (3) years.
Notice to Proceed	Vendor Acceptance of Notice Dated June 4, 2015
Start of 3 Year Contract	June 5, 2015
End of 3 Year Contract	June 4, 2018

1 Year Renewal

Start of 1 Year Renewal	August 10, 2018
End of 1 Year Renewal	August 9, 2019

2nd Year Renewal

Start of 1 Year Renewal	August 23, 2019
End of 1 Year Renewal	August 22, 2020

What is the funding source(s)?
FY2020 Internally Funded CIP.

The RFP / Bid Responses
IFB 2015-03 Submersible Motors, Pumps and Pump and Motor.

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

GWA RESOLUTION NO. 07-FY2020

RELATIVE TO CONTRACT RENEWAL OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS AND MOTORS INVENTORY FOR DEEPWELLS

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA advertised an Invitation for Bid (IFB) 2015-03 soliciting cost quotations from experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors to provide adequate stock replenishment when needed; and

WHEREAS, there was one responsive and responsible bidder who met Submersible Pumps and Motors requirements of IFB 2015-03; and

WHEREAS, the IFB 2015-03 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for Submersible Pumps and Motors made by JMI-Edison is fair and reasonable by the basis of past purchases made (EXHIBIT A); and

WHEREAS, GWA accepted JMI-Edison's bid proposal of indefinite quantity bid of "All or None Bid for Franklin Electric Motors" and "All or None Bid for Franklin Electric and

Grundfos Pump" with an estimated total amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) (EXHIBIT B); and

WHEREAS, CCU approved the three (3) year contract with JMI Edison in the amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) (EXHIBIT C); and

WHEREAS, GWA Management renewed the contract for a one-year term (EXHIBIT D); and

WHEREAS, GWA Management renewed the contract for a second one-year term (EXHIBIT E); and

WHEREAS, PUC approved the purchase of Submersible Pumps and Motors under existing contract with JMI-Edison for FY2018, at a cost not to exceed Six Hundred Twelve Thousand Seven Hundred Seventy-Eight Dollars and Thirteen Cents ($612,778.13) (EXHIBIT F); and

WHEREAS, PUC approved the purchase of Submersible Pumps and Motors under existing contract with JMI-Edison for FY2019, at a cost not to exceed Seven Hundred Thirty-Six Thousand Eight Hundred Sixty-Six Dollars and Fifty-Five Cents ($736,866.55) (EXHIBIT G); and

WHEREAS, GWA Management seeks CCU approval to purchase sixty (60) submersible motors of various sizes in the amount of Four Hundred Forty Six Thousand Nine Hundred Sixty Nine Dollars and Seventy Four Cents ($446,969.74) and seventy-nine (79) submersible pumps of various types or stages in the amount of Two Hundred Sixty Seven Thousand One Hundred Thirty Two Dollars and Thirty Seven Cents ($267,132.37) which totals to Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11) (EXHBIT H) ; and

WHEREAS, the source of funding for the purchase of sixty (60) submersible motors and seventy-nine (79) submersible pumps of various types or stages will be from FY2020 Internally Funded Capital Improvement Projects.

NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes the management of GWA to proceed based on the renewal for a second one-year contract with IFB 2015-03 (EXHIBIT E).
3. The CCU hereby further authorizes the management of GWA to purchase Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11) (EXHBIT H), and authorizes management to seek PUC approval as required by GWA Docket 19-02 (EXHIBIT G).
4. The CCU hereby further approves the funding amount total of Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11).

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

//

//

//

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

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EXHIBIT A

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

MAR 3 1 2015

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

RE: Notice of Award for GWA Bid No. 2015-03
For: Submersible Motors, Pumps, and Pump & Motor

Hafa Adai!

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JIM Edison for the above described reference in response to its Advertisement for Bids dated January 29, 2015.

Therefore, JMI Edison is hereby notified the proposal for the Indefinite Quantity Bid has been accepted by GWA. Please be advised the Bid Bond must remain in full force and effect until all performance periods have ended **(e.g., until warranty period has ended as any warranty is a service provided in conjunction with the delivery of goods).**

You are hereby advised that any obligations incurred by JMI Edison prior to execution of the contract are at your own risk. GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

You are required to return an acknowledged copy of this Notice of Award to the Procurement & Supply Administrator.

Sincerely,

3/30/2015

Mark G. Miller
General Manager, Interim

01 33 03 p m 03-31-2015	3	6716493750

6716493750 GWA Procurement Supply 01:23:15 p.m. 03-31-2015 3 /3

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

Dated this 31ST day of March 2015.

By JEFFREY PAESTE
Title Operations Manager

******* END OF NOTICE OF AWARD *******

EXHIBIT B

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-03
Ref: Submersible Motors, Pumps, and Pump & Motor

Invitation for Bid No: GWA 2015-03 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on January 29, 2015 and open as scheduled on March 04, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Z Enterprises, Inc
2. Frontier Supply
3. Hikhjkj
4. JMI Edison
5. Black Const. Corp
6. Benson Guam Ent
7. HDR, Inc
8. Guam Pacific Ent
9. JJ Global
10. Inland Builders
11. Xiong's Family
12. David Meinung

Of the twelve (12), one (1) submitted their bid package, namely:

- JMI Edison

An evaluation committee was formally assembled and met on March 17, 2015 @ 9:30 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

The committee members reviewed the bid proposal and have determined JMI Edison being the only bidder, respectfully submitted a fair cost and are as followed:

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
"All or None Bid for Franklin Electric Motors"					
1.1A	SUBMERSIBLE MOTOR 10 H.P.	1	EA	$2,218.17	$2,218.17
B	SUBMERSIBLE MOTOR 20 H.P.	2	EA	$2,797.88	$5,595.76
C	SUBMERSIBLE MOTOR 30 H.P.	1	EA	$3,487.42	$3,487.42
D	SUBMERSIBLE MOTOR 40 H.P.	3	EA	$4,023.70	$12,071.10
E	SUBMERSIBLE MOTOR 50 H.P.	3	EA	$5,332.76	$15,998.28
F	SUBMERSIBLE MOTOR 60 H.P	37	EA	$6,110.36	$226,083.32
G	SUBMERSIBLE MOTOR 75 H.P.	3	EA	$11,171.65	$33,514.95
H	SUBMERSIBLE MOTOR 100 H.P.	4	EA	$12,330.12	$49,320.48
I.	SUBMERSIBLE MOTOR 125 H.P.	2	EA	$16,179.37	$32,358.74
J.	SUBMERSIBLE MOTOR 150 H.P.	3	EA	$19,393.95	$58,181.85
				Total Cost:	**$438,830.07**

2

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
"All or None Bid for Franklin Electric & Grundfos Pumps"					
2.1 A.	SUBMERSIBLE PUMP 70SR7, 6" X 8 STAGE	1	EA	$1,020.24	$1,020.24
B.	SUBMERSIBLE PUMP 70SR15, 6" X 15 STAGE	1	EA	$1,395.34	$1,395.34
C.	SUBMERSIBLE PUMP 150SR30, 6" X 14 STAGE	1	EA	$1,484.16	$1,484.16
D.	SUBMERSIBLE PUMP 150SR40, 6" X 19 STAGE	1	EA	$1,885.65	$1,885.65
E.	SUBMERSIBLE PUMP 175SR20, 6" X 8 STAGE	1	EA	$1,843.65	$1,843.64
F.	SUBMERSIBLE PUMP 175SR25, 6" X 10 STAGE	2	EA	$2,147.92	$4,295.84
G.	SUBMERSIBLE PUMP 175SR30, 6" X 12 STAGE	1	EA	$2,459.99	$2,459.99
H.	SUBMERSIBLE PUMP 175SR40, 6" X 14 STAGE	10	EA	$2,714.46	$27,144.60
I.	SUBMERSIBLE PUMP 175SR40, 6" X 16 STAGE	3	EA	$2,981.52	$8,944.56
J.	SUBMERSIBLE PUMP 175SR50, 6" X 18 STAGE	1	EA	$3,253.38	$3,253.38
K.	SUBMERSIBLE PUMP 250SR25, 6" X 9 STAGES	1	EA	$1,578.98	$1,578.98
L.	SUBMERSIBLE PUMP 250SR30, 6" X 10 STAGES	3	EA	$1,674.40	$5,023.20
M.	SUBMERSIBLE PUMP 250SR40, 6" X 12 STAGES	3	EA	$1,937.27	$5,811.81
N.	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	EA	$2,349.56	$9,398.24

3

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

O.	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	EA	$2,327.96	$23,279.60
P.	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	EA	$2,942.51	$5,885.02
Q.	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	EA	$3,223.97	$9,671.91
R.	SUBMERSIBLE PUMP 325SR25, 6" X 7 STAGES	1	EA	$1,541.17	$1,541.17
S.	SUBMERSIBLE PUMP 325SR40, 6" X 9 STAGES	2	EA	$1,842.45	$3,684.90
T.	SUBMERSIBLE PUMP 325SR40, 6" X 11 STAGES	1	EA	$2,236.14	$2,236.14
U.	SUBMERSIBLE PUMP 325SR50, 6" X 13 STAGES	13	EA	$2,552.42	$33,181.46
V.	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	EA	$3,319.40	$6,638.80
W.	SUBMERSIBLE PUMP 325SR75, 6" X 21 STAGES	1	EA	$4,905.58	$4,905.58
X.	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	EA	$3,494.64	$3,494.64
Y.	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	EA	$4,736.93	$9,473.86
Z.	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	EA	$5,418.10	$16,254.30
AA.	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	EA	$5,426.50	$16,279.50
AB.	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	EA	$6,226.49	$12,452.98
AC.	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	EA	$9,468.84	$18,937.68

4

AD.	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	EA	$9,468.84	$18,937.68
AE.	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	EA	$5,462.38	$5,462.38
				Total Cost:	**$267,857.23**

[Grand Total Cost: $706,687.30]

After a thorough evaluation, the committee members clarified and confirmed with JMI Edison on Item No: 1.1a the submitted Total Cost indicated $212,746.75. JMI responded dated on March 26, 2015 and advised the members it was a typographical error and the total cost should state $438,830.07. In closing, the committee members agreed to accept the bid offer from JMI Edison and have determined they submitted and complied with all specifications and requirements set forth in the IFB.

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

Karen Cheryl C. Grape, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

3/30/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

6

GUAM CONSOLIDATED COMMISSION ON UTILITIES

RESOLUTION NO. 22-FY2017

RATIFICATION OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS AND MOTORS FOR GWA DEEP WELLS

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA advertised an Invitation for Bid (IFB) 2015-03 soliciting cost quotations from experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors and provide adequate stock replenishment when needed; and

WHEREAS, there was one responsive and responsible bidder who met the Submersible Pumps and Motors requirements of IFB 2015-03; and

WHEREAS, IFB 2015-03 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for Submersible Pumps and Motors made by JMI-Edison was fair and reasonable by the basis of past purchases made [EXHIBIT A]; and

WHEREAS, GWA accepted JMI-Edison's bid proposal of indefinite quantity bid of "All or None Bid for Franklin Electric Motors" and "All or None Bid for Franklin Electric and Grundfos Pump" with an estimated total amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) [EXHIBIT B]; and

WHEREAS, GWA management seeks CCU ratification of purchases related to IFB 2015-03 in the total amount of Seven Hundred Thirty-Six Thousand One Hundred Sixty-Four Dollars and Forty-Seven Cents ($736,164.47) [EXHIBIT C]; and

WHEREAS, GWA management seeks CCU approval to purchase additional pumps and motors for GWA Deep Wells in the total amount of Two Hundred Twenty-Six Thousand Eight Hundred Fifty-Four Dollars and Fifteen Cents ($226,854.15) [EXHIBIT D]; and

WHEREAS, GWA management seeks CCU approval and ratification of IFB 2015-03 for Submersible Pumps and Motors' indefinite quantity bid in total of Nine Hundred Sixty-Three Thousand Eighteen Dollars and Sixty-Two Cents ($963,018.62), the sum of Encumbered Purchase Orders ($736,164.47) and Purchase of Additional Pumps and Motors ($226,854.15); and

WHEREAS, the source of funding for the Submersible Pumps and Motors are Multiple Bond Fund Programs (PW 09-02 Water Wells, Bond 2013 and PW 09-08 Mechanical and Electrical Equipment Replacement Bond 2013) and Internally Funded Capital Improvement Projects.

NOW THEREFORE BE IT RESOLVED, the Consolidated Commission on Utilities does hereby approve and ratify the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by "JMI-Edison" are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.
4. All of the procurement herein are in the best interest of the territory of Guam and Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under the previously issued purchase orders relative to the Indefinite Quantity Contract with JMI-Edison

in the total amount of Seven Hundred Thirty-Six Thousand One Hundred Sixty-Four Dollars and Forty-Seven Cents ($736,164.47).

6. The CCU hereby further authorizes GWA management to purchase additional pumps and motors for GWA Deep Wells in the total amount of Two Hundred Twenty-Six Thousand Eight Hundred Fifty-Four Dollars and Fifteen Cents ($226,854.15).
7. The CCU hereby further approves the funding total of Nine Hundred Sixty-Three Thousand Eighteen Dollars and Sixty-Two Cents ($963,018.62) for the initial three-year contract term.
8. GWA management is hereby authorized to seek PUC approval in the event the contract value exceeds One Million Dollars ($1,000.000.00) as required by Docket 00-04.

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

DULY AND REGULARLY ADOPTED, this 21st day of February, 2017.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities, as evidenced by my signature above do hereby certify as follows:

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

AYES: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

EXHIBIT A (1 of 6)

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-03
Ref: Submersible Motors, Pumps, and Pump & Motor

Invitation for Bid No: GWA 2015-03 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on January 29, 2015 and open as scheduled on March 04, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

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2. Frontier Supply
3. Hikhjkj
4. JMI Edison
5. Black Const. Corp
6. Benson Guam Ent
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8. Guam Pacific Ent
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11. Xiong's Family
12. David Meinung

Of the twelve (12), one (1) submitted their bid package, namely:

- JMI Edison

An evaluation committee was formally assembled and met on March 17, 2015 @ 9:30 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

1

EXHIBIT A (2 of 6)

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

The committee members reviewed the bid proposal and have determined JMI Edison being the only bidder, respectfully submitted a fair cost and are as followed:

"All or None Bid for Franklin Electric Motors"

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
1.1A	SUBMERSIBLE MOTOR 10 H.P.	1	EA	$2,218.17	$2,218.17
B	SUBMERSIBLE MOTOR 20 H.P.	2	EA	$2,797.88	$5,595.76
C	SUBMERSIBLE MOTOR 30 H.P.	1	EA	$3,487.42	$3,487.42
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G	SUBMERSIBLE MOTOR 75 H.P.	3	EA	$11,171.65	$33,514.95
H	SUBMERSIBLE MOTOR 100 H.P.	4	EA	$12,330.12	$49,320.48
I.	SUBMERSIBLE MOTOR 125 H.P.	2	EA	$16,179.37	$32,358.74
J.	SUBMERSIBLE MOTOR 150 H.P.	3	EA	$19,393.95	$58,181.85
				Total Cost:	**$438,830.07**

2

EXHIBIT A (3 of 6)

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
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D.	SUBMERSIBLE PUMP 150SR40, 6" X 19 STAGE	1	EA	$1,885.65	$1,885.65
E.	SUBMERSIBLE PUMP 175SR20, 6" X 8 STAGE	1	EA	$1,843.65	$1,843.64
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N.	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	EA	$2,349.56	$9,398.24

3

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

EXHIBIT A (4 of 6)

O.	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	EA	$2,327.96	$23,279.60
P.	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	EA	$2,942.51	$5,885.02
Q.	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	EA	$3,223.97	$9,671.91
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V.	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	EA	$3,319.40	$6,638.80
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X.	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	EA	$3,494.64	$3,494.64
Y.	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	EA	$4,736.93	$9,473.86
Z.	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	EA	$5,418.10	$16,254.30
AA.	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	EA	$5,426.50	$16,279.50
AB.	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	EA	$6,226.49	$12,452.98
AC.	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	EA	$9,468.84	$18,937.68

4

AD.	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	EA	$9,468.84	$18,937.68
AE.	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	EA	$5,462.38	$5,462.38
				Total Cost:	**$267,857.23**

[Grand Total Cost: $706,687.30]

After a thorough evaluation, the committee members clarified and confirmed with JMI Edison on Item No: 1.1a the submitted Total Cost indicated $212,746.75. JMI responded dated on March 26, 2015 and advised the members it was a typographical error and the total cost should state $438,830.07. In closing, the committee members agreed to accept the bid offer from JMI Edison and have determined they submitted and complied with all specifications and requirements set forth in the IFB.

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

5

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

Karen Cheryl C. Grajo, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

3/30/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

01 33 03p m 03-31-2015 | 2 | 6716493750

6716493750 GWA Procurement Supply 01:22:59 p.m. 03-31-2015 2 /3

EXHIBIT B

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

MAR 3 1 2015

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

RE: Notice of Award for GWA Bid No. 2015-03
For: Submersible Motors, Pumps, and Pump & Motor

Hafa Adai!

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JIM Edison for the above described reference in response to its Advertisement for Bids dated January 29, 2015.

Therefore, JMI Edison is hereby notified the proposal for the Indefinite Quantity Bid has been accepted by GWA. Please be advised the Bid Bond must remain in full force and effect until all performance periods have ended **(e.g., until warranty period has ended as any warranty is a service provided in conjunction with the delivery of goods).**

You are hereby advised that any obligations incurred by JMI Edison prior to execution of the contract are at your own risk. GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

You are required to return an acknowledged copy of this Notice of Award to the Procurement & Supply Administrator.

Sincerely,

3/30/2015

Mark G. Miller
General Manager, Interim

01:33:03 p.m. 03-31-2015	3	6716493750

6716493750 GWA Procurement Supply 01:23:15 p.m. 03-31-2015 3 /3

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

Dated this 31st day of March 2015.

By JEFFREY PAESTE
Title Operations Manager

******* END OF NOTICE OF AWARD *******

EXHIBIT C

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Encumbered Purchase Orders Relative to IFB 2015-13

PO No	PO Amount	PO Date	Funding Source
297992	$42,772.51	04/16/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298208	$59,887.34	06/05/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298218	$165,918.18	06/05/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298345	$21,462.24	07/14/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298695	$32,426.64	11/18/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298783	$88,111.79	12/16/15	Internally Funded CIP
299504	$160,047.56	05/20/16	PW 09-02 Water Wells, Bond 2013
299589	$141,981.34	06/14/16	PW 09-02 Water Wells, Bond 2013
300204	$23,556.87	11/14/16	Internally Funded CIP
Total Amount	**$736,164.47**		

Copies of all Purchase Orders attached.

EXHIBIT D

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Additional Purchases

Submersible Motors	Qty	Unit Cost	Amount
150 hp. Franklin Motor	2	$19,393.95	$38,787.90
125 hp. Franklin Motor	1	$16,179.37	$16,179.37
100 hp. Franklin Motor	1	$12,330.12	$12,330.12
75 hp. Franklin Motor	2	$11,171.65	$22,343.30
60 hp. Franklin Motor	5	$6,110.36	$30,551.80
50 hp. Franklin Motor	6	$5,332.76	$31,996.56
40 hp. Franklin Motor	4	$4,023.70	$16,094.80
Total Submersible Motors	**21**		**$168,283.85**
Submersible Pumps	**Qty**	**Unit Cost**	**Amount**
175 SR-40F66- 1463 (6"x 14 stage)	8	$2,714.46	$21,715.68
250 SR-50F66-1563 (6"x 15 stage)	4	$2,327.96	$9,311.84
250 SR-40F66- 1263 (6"x 11 stage)	1	$1,937.27	$1,937.27
250SR-50F66-1863	1	$2,942.51	$2,942.51
250SR-40F66-1463	1	$2,349.56	$2,349.56
400 SR-100F86-1384 (8"x 13 stages)	1	$5,418.10	$5,418.10
475 SR-100F86- 1186 (8"x 13 stages)	1	$5,426.50	$5,426.50
NFPA-625S-1500 (Stages 7A)	1	$9,468.84	$9,468.84
Total Submersible Motors	**18**		**$58,570.30**
Total Pumps and Motors	**39**		**$226,854.15**

EXHIBIT D

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

JUN 0 1 2018

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-03
Project Name: Submersible Pumps and Motors
Ref: Contract Renewal

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-03 Submersible Pumps, Motors, Cables and Booster Pump bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

FOR: Romeo Oriondo,
Operations Manager.

Date: 08/10/18

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

EXHIBIT E

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

JUN 0 5 2019

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-03
Project Name: Submersible Pumps and Motors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-03 Submersible Pumps, Motors, Cables and Booster Pump bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

Date: 7/23/19

Romeo Oriondo,
Operations Manager.

Sincerely,

For
Vince Guerrero, CPM
Supply Management Administrator

RECEIVED
JUL 2 8 2017
Public Utilities Commission
GUAM

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN RE: PETITION FOR APPROVAL OF CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS & MOTORS	**GWA DOCKET 17-08** **ORDER** EXHIBIT F

INTRODUCTION

This matter comes before the Guam Public Utilities Commission (the "PUC" or the "Commission") pursuant to the Application to Award an Indefinite Quantity Contract for Submersible Pumps and Motors to JMI-Edison (the "Petition"), filed on July 12, 2017 by the Guam Waterworks Authority ("GWA").

In January of 2015, GWA issued Invitation for Bid Number GWA 2015-03 ("IFB 2015-03") soliciting the purchase of submersible pumps and motors for GWA's drinking wells.[1] In March of 2015, GWA's procurement team evaluated and selected JMI-Edison's indefinite quantity bid.[2] Thereafter, GWA awarded the bid to JMI-Edison and entered into a three-year contract with JMI-Edison, with two (2) yearlong options to renew.

On July 25, 2017, the Administrative Law Judge of the PUC Joephet R. Alcantara (the "ALJ") filed a report regarding the instant Petition, which included his findings and recommendations based on the administrative record before the PUC. The ALJ made the following findings.

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[1] Application to Award an Indefinite Quantity Contract for Submersible Pumps and Motors to JMI-Edison ("Petition"), p. 1 (July 12, 2017).

[2] Petition, p. 1.

DETERMINATIONS

A. Contract Review Protocol

Pursuant to 12 G.C.A. §12105,[3] GWA may not enter into any contractual agreements or obligations which could increase rates and charges without the PUC's express approval. In addition, GWA's Contract Review Protocol requires that "[a]ll professional service procurements in excess of $1,000,000" require "prior PUC approval under 12 G.C.A. §12004, which shall be obtained before the procurement process is begun . . . ."[4] Further, all externally funded loan obligations and other financial obligations, such as lines of credit, bonds, etc., in excess of $1,000,000, and any use of such funds, must be approved by the PUC.[5]

B. GWA's Petition

In its Petition, GWA sought PUC approval of the award of an indefinite quantity contract with JMI-Edison for the purchase of submersible pumps and motors.[6] The contract is based on IFB 2015-03, which sought submersible well pumps and motors, but more specifically, "Grundfos" pumps and "Franklin Electric" motors.[7]

GWA issued IFB 2015-03 back in January, 2015.[8] Thereafter, GWA's procurement team evaluated and selected JMI-Edison's indefinite quantity bid, and later

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[3] Formerly 12 G.C.A. § 12004.

[4] GWA's Contract Review Protocol ("GWA CRP"), Administrative Docket 00-04, p. 1 (Oct. 27, 2005).

[5] *Id.*

[6] Petition, p. 1.

[7] IFB 2015-03, p. 1.

[8] Petition, p. 1.

issued an award to JMI-Edison.[9] GWA then entered into a contract with JMI-Edison, which GWA carefully noted was for an indefinite quantity, meaning that the quantities reflected on the bid were estimates only, and may increase or decrease for the duration of the contract.

GWA sought PUC approval of its 2015 contract with JMI-Edison, in which GWA previously issued purchase orders in the amount of $736,164.47, but requires additional pumps and motors at an additional cost of $226,854.15, for a total cost of $963,018.62.[10] However, GWA submitted that additional purchase orders will be needed, and therefore the contract will exceed $1,000,000.00.[11]

C. IFB 2015-03

According to IFB 2015-03, GWA mostly utilizes "Grundfos" well pumps and "Franklin Electric" motors at 110 of its 120 drinking water wells.[12] GWA intends on converting the ten (10) remaining wells to "Grundfos" pumps and "Franklin Electric" motors, since, based on its experience, these brands have lasted the longest given the conditions on Guam.[13]

GWA further submitted that its well maintenance and repair crews are "very familiar" with the "Grundfos" pumps and "Franklin Electric" motors. GWA believes that such familiarity with these products results in improved service and operational efficiency,

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9 Petition, p. 1.

10 Petition, Exhibit A, p. 3.

11 Petition, Exhibit A, p. 3.

12 IFB 2015-03, p. 2.

13 IFB 2015-03, p. 2.

and therefore, results in a savings of both time and money for the agency.[14] GWA further indicated that the U.S. Air Force also utilizes the "Grundfos" well pumps, which GWA submits has worked well with them in the past during moments of critical well failures and shortages of spare parts.[15] For these reasons, GWA is engaged in a standardization program to utilize only "Grundfos" pumps and "Franklin Electric" motors.[16]

D. JMI-Edison Bid, Contract Term, Total Cost, and Funding

Based on its bid, JMI-Edison agreed to provide submersible motors, ranging from $2,218.17, to $6,110.36, to $19,393.95, depending on the strength and horsepower of the motor. JMI-Edison also agreed to provide submersible pumps, ranging from $1,020.24 to $9,468.84, depending on the size of, and number of stages contained in, the pump.

Based on the contract, the initial term is three (3) years, with two (2) yearlong options to renew. GWA has been authorized by the Consolidated Commission on Utilities (the "CCU") to purchase the pumps and motors at a total cost of $963,018.62.[17] However, GWA informed the ALJ that it will require an estimated additional $337,264.30 for the remainder of 2017, and $597,847.18 for 2018. These purchase orders are funded by the 2013 Bond proceeds, and are also internally funded as components of GWA's CIP.

E. CCU Resolution No. 22-FY2017

The Petition is supported by Resolution No. 22-FY2017 issued by the CCU at its February 21, 2017 meeting. In the Resolution, the CCU found that the terms of the

[14] IFB 2015-03, p. 2.

[15] IFB 2015-03, p. 3.

[16] IFB 2015-03, p. 3.

[17] Petition, Exhibit A, p. 3.

bid submitted by JMI-Edison were fair and reasonable.[18] Accordingly, the CCU ratified the purchases under the previously issued purchase orders in the amount of $736,164.47.[19] The CCU further authorized GWA to purchase additional pumps and motors at an additional cost of $226,854.15, and therefore authorized a total cost of $963,018.62.[20] However, the CCU additionally authorized GWA to seek PUC approval in the event the contract exceeds $1,000,000.00.[21]

As indicated in IFB 2015-03, GWA overwhelmingly utilizes "Grundfos" well pumps with "Franklin Electric" motors.[22] According to GWA, 110 of its 120 drinking water wells utilize "Grundfos" well pumps and "Franklin Electric" motors.[23] GWA has determined, based on its experience, that the "Grundfos" pumps and "Franklin Electric" motors better serve Guam's needs. GWA purchases these pumps and motors on an as needed basis, and to replenish its inventory of spare parts.[24]

Based on the record established in this docket and for the reasons set forth therein, the ALJ recommended that the PUC ratify the underlying procurement and approve the contract between GWA and JMI-Edison for the purchase of submersible pumps and motors, for an estimated cost of $1,300,282.92, which includes GWA's estimated additional $337,264.30 for the remainder of 2017.

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[18] Petition, Exhibit A, p. 2.

[19] Petition, Exhibit A, pp. 2-3.

[20] Petition, Exhibit A, p. 3.

[21] Petition, Exhibit A, p. 3.

[22] IFB 2015-03, p. 2.

[23] IFB 2015-03, p. 2.

[24] Petition, Exhibit A, p. 1.

ORDERING PROVISIONS

Upon careful consideration of the record herein, the July 25, 2017 ALJ Report, and for good cause shown, on motion duly made, seconded and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby ORDERS the following:

1. The PUC hereby RATIFIES the underlying procurement and APPROVES the contract between GWA and JMI-Edison for the purchase of submersible pumps and motors, for an estimated cost of $1,300,282.92 as indicated in its Petition, and which includes GWA's estimated additional $337,264.30 for the remainder of 2017.

2. With respect to the purchase of additional pumps and motors in 2018, GWA shall to return to the PUC with a listing of such additional purchases for 2018. The PUC shall thereafter review the need for such purchases and funding at that time.

3. GWA is ordered to pay the PUC's regulatory fees and expenses, including and without limitation, consulting and counsel fees, and the fees and expenses associated with the instant contract review process. Assessment of the PUC's regulatory fees and expenses is authorized pursuant to 12 G.C.A. §§ 12002(b) and 12024(b), and Rule 40 of the Rules of Practice and Procedure before the PUC.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

SO ORDERED this 27th day of July, 2017.

JEFFREY C. JOHNSON
Chairman

ROWENA E. PEREZ
Commissioner

JOSEPH M. MCDONALD
Commissioner

FILOMENA M. CANTORIA
Commissioner

MICHAEL A. PANGELINAN
Commissioner

PETER MONTINOLA
Commissioner

ANDREW L. NIVEN
Commissioner

P173012.JRA

EXHIBIT G



BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN RE: PETITION FOR APPROVAL OF INCREASED SPENDING UNDER EXISTING CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS & MOTORS	)	**GWA DOCKET 19-02**
	)	**ORDER**

INTRODUCTION

This matter comes before the Guam Public Utilities Commission (the "PUC" or the "Commission") pursuant to the October 29, 2018 Petition for Additional Purchases for Submersible Pumps and Motors to JMI-Edison (the "Petition"), filed by the Guam Waterworks Authority ("GWA"), and the November 30, 2017 Order issued by the Commission in GWA Docket 18-02.

On November 27, 2018, the Administrative Law Judge of the PUC (the "ALJ") assigned to this matter filed an ALJ Report that included his findings and recommendations based on the administrative record before the PUC. The ALJ found the following.

DETERMINATIONS

In 2015, GWA entered into a three-year contract with JMI-Edison for the purchase of submersible pumps and motors for GWA's drinking wells. The contract provided a three-year term, with two (2) yearlong options to renew. Later in 2017, the Commission ratified and approved the contract between JMI-Edison for the purchase of submersible pumps and motors in GWA Docket 17-08.

On October 18, 2017, GWA requested increased spending under the contract with JMI-Edison. On November 30, 2017, in GWA Docket 18-02, the PUC authorized GWA "to

purchase submersible pumps and motors under the existing contract with JMI-Edison for FY2018, at a cost not to exceed $612,778.13."[1] With regard to "purchases after FY2018," Ordering Provision No. 2 of that Order required GWA "to submit . . . documentation of approval of additional purchases under the contract by the Consolidated Commission on Utilities, which GWA estimates at $213,403.57 per quarter."[2]

In its Petition, GWA maintained that based on its operational needs for Fiscal Year 2019 ("FY2019"), it has determined that it will need to purchase "additional pumps and motors to maintain proper inventory levels of critical spares in accordance with established operations and maintenance practices, which averages out to be One Hundred Eighty-Four Thousand Two Hundred Sixteen Dollars and Sixty-Four Cents ($184,216.64) per quarter."

In particular, GWA intended on purchasing fifty-three (53) submersible motors of various sizes, at a cost of $415,860.18; and ninety-six (96) submersible pumps of various types or stages, at a cost of $321,006.37. Therefore, the total cost of these purchases amounts to $736,866.55.[3]

In GWA Resolution No. 48-FY2018, the Consolidated Commission on Utilities (the "CCU") authorized GWA to purchase the additional pumps and motors under the JMI-Edison contract and at a cost of $736,866.55. Further, in support of its request, GWA has provided the PUC with a matrix of its intended purchases of deep well submersible pumps and

[1] Order, GWA Docket 18-02, p.4 (Nov. 30, 2017).

[2] Order, GWA Docket 18-02, p.4 (Nov. 30, 2017).

[3] GWA Resolution No. 48-FY2018, pp. 2-3 (Aug. 28, 2018).

motors for FY2019. GWA has indicated that these purchases for FY2019 will be funded by GWA's revenues.[4]

Under the JMI-Edison contract, the submersible motors range from $2,218.17 to $19,393.95, depending on the strength and horsepower of the motor. The submersible pumps range from $1,020.24 to $9,468.84, depending on the size of, and number of stages contained in, the pump. In FY2018, GWA was authorized to purchase fifty (50) motors and around seventy (70) pumps, for a total cost of $612,778.13.

As noted in the administrative record in GWA Docket 17-08, GWA purchases submersible pumps and motors on an as-needed basis, and periodically replenishes its inventory of spare parts. As stated before, it is clear that these pumps and motors are necessary to operate GWA's one hundred and four (104) deep wells.

Based on the documentation provided by GWA in this docket, the ALJ recommended that the PUC authorize GWA's purchase of submersible pumps and motors for FY2019, at a total estimated cost of $736,866.55. If GWA exercises its final option to renew the JMI-Edison contract, GWA should submit to the PUC documentation supporting purchases for FY2020.

The Commission hereby adopts the findings made in the November 27, 2018 ALJ Report, and therefore, issues the following:

ORDERING PROVISIONS

Upon careful consideration of the record herein, and for good cause shown, on motion duly made, seconded and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby ORDERS the following:

[4] GWA Resolution No. 48-FY2018, p. 3 (Aug. 28, 2018).

1. That the instant Petition is hereby APPROVED and GWA is AUTHORIZED to purchase submersible pumps and motors for FY2019 from JMI-Edison, at a cost of $736,866.55.

2. With regard to purchases after FY2019, GWA shall submit to the PUC documentation supporting purchases of submersible pumps and motors, such as: a CCU Resolution authorizing any additional purchases for FY2020; purchase orders; and a listing of its inventory.

3. GWA is ordered to pay the PUC's regulatory fees and expenses, including and without limitation, consulting and counsel fees, and the fees and expenses associated with this matter. Assessment of the PUC's regulatory fees and expenses is authorized pursuant to 12 G.C.A. §§ 12103(b) and 12125(b), and Rule 40 of the Rules of Practice and Procedure before the PUC.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

SO ORDERED this 29th day of November, 2018.

JEFFREY C. JOHNSON
Chairman

ROWENA E. PEREZ
Commissioner

JOSEPH M. MCDONALD
Commissioner

FILOMENA M. CANTORIA
Commissioner

MICHAEL A. PANGELINAN
Commissioner

PETER MONTINOLA
Commissioner

P183033.JRA

IFB 2015-03 DEEPWELL SUBMERSIBLE PUMP AND MOTOR PURCHASE
JMI EDISON

EXHIBIT H

IFB 2015-03 2020 MOTOR PURCHASE

Line Item	Unit Cost	Submersible Motor	1st QTR Motor Qty	1st QTR Motor Cost	2nd QTR Motor Qty	2nd QTR Motor Cost	3rd QTR Motor Qty	3rd QTR Motor Cost	4rth QTR Motor Qty	4rth QTR Motor Cost	2020 Motor Spare INV	2020 Motor Cost
1.1A	$2,218.17	10HP		$0.00		$0.00		$0.00		$0.00	0	$0.00
1.1B	$2,797.88	20HP		$0.00		$0.00		$0.00		$0.00	0	$0.00
1.1 C	$3,487.42	30 HP	1	$3,487.42		$0.00	1	$3,487.42		$0.00	2	$6,974.84
1.1D	$4,023.70	40 HP	1	$4,023.70		$0.00	1	$4,023.70	1	$4,023.70	3	$12,071.10
1.1 E	$5,332.76	50 HP (critical)	12	$63,993.12	6	$31,996.56	6	$31,996.56	6	$31,996.56	30	$159,982.80
1.1 F	$6,110.36	60 HP	4	$24,441.44	3	$18,331.08	2	$12,220.72	2	$12,220.72	11	$67,213.96
1.1 G	$11,171.65	75 HP	1	$11,171.65	1	$11,171.65	1	$11,171.65	1	$11,171.65	4	$44,686.60
1.1 H	$12,330.12	100 HP (critical)	1	$12,330.12	1	$12,330.12	1	$12,330.12	1	$12,330.12	4	$49,320.48
1.1 I	$16,179.37	125 HP (critical)	1	$16,179.37	1	$16,179.37	1	$16,179.37	0	$0.00	3	$48,538.11
1.1 J	$19,393.95	150 HP (critical)	1	$19,393.95	0	$0.00	1	$19,393.95	1	$19,393.95	3	$58,181.85
		TOTAL	22	$155,020.77	12	$90,008.78	14	$110,803.49	12	$91,136.70	60	$446,969.74

IFB 2015-03 2020 PUMP PURCHASE

Line Item	Unit Cost	Submersible Pumps	1st QTR Pump Qty	1st QTR Pump Cost	2nd QTR Pump Qty	2nd QTR Pump Cost	3rd QTR Pump Qty	3rd QTR Pump Cost	4rth QTR Pump Qty	4rth QTR Pump Cost	2020 Pump Spare INV	2020 Pump Cost
2.1 P	$2,942.51	250SR-50F66-1863	1	$2,942.51	1	$2,942.51	1	$2,942.51	1	$2,942.51	4	$11,770.04
2.1 M	$1,937.27	250SR-40F66-1263	1	$1,937.27	1	$1,937.27	1	$1,937.27	1	$1,937.27	4	$7,749.08
2.1 L	$1,674.40	250SR-30F66-1063	1	$1,674.40	1	$1,674.40	1	$1,674.40	1	$1,674.40	4	$6,697.60
2.1 Y	$4,736.93	400SR-75F86-1084	1	$4,736.93	1	$4,736.93	1	$4,736.93	1	$4,736.93	4	$18,947.72
2.1 Z	$5,418.10	400SR-100F86-1384 (critic	1	$5,418.10	1	$5,418.10	1	$5,418.10	1	$5,418.10	4	$21,672.40
2.1 B	$1,395.34	70SR-15F66-1763	0	$0.00	1	$1,395.34	0	$0.00	1	$1,395.34	2	$2,790.68
2.1 D	$1,885.65	150SR-40F66-1963	0	$0.00	0	$0.00	1	$1,885.65	1	$1,885.65	2	$3,771.30
2.1 G	$2,459.99	175SR-25F66-1063	1	$2,459.99	1	$2,459.99	1	$2,459.99	0	$0.00	3	$7,379.97
2.1 K	$1,578.98	250SR-25F66-0963	1	$1,578.98	0	$0.00	1	$1,578.98	0	$0.00	2	$3,157.96
2.1 Q	$3,223.97	250SR-60F66-2063	1	$3,223.97	0	$0.00	1	$3,223.97	0	$0.00	2	$6,447.94
2.1 T	$2,236.14	325SR-40F66-1164	1	$2,236.14	0	$0.00	1	$2,236.14	0	$0.00	2	$4,472.28
2.1 AB	$6,226.49	475SR-125F86-1486 (critic	1	$6,226.49	0	$0.00	1	$6,226.49	0	$0.00	2	$12,452.98
2.1 AD	$9,468.84	NFPA-625S-1500-7 (critical)	1	$9,468.84	0	$0.00	1	$9,468.84	0	$0.00	2	$18,937.68
2.1 C	$1,484.16	150SR-30F66-1463	1	$1,484.16	0	$0.00	1	$1,484.16	0	$0.00	2	$2,968.32
2.1 E	$1,843.64	175SR-20F66-0863	0	$0.00	1	$1,843.64	0	$0.00	1	$1,843.64	2	$3,687.28
2.1 J	$3,253.38	175SR-50F66-1863	0	$0.00	1	$3,253.38	0	$0.00	1	$3,253.38	2	$6,506.76
2.1 S	$1,842.45	325SR-40F66-0964	0	$0.00	1	$1,842.45	0	$0.00	1	$1,842.45	2	$3,684.90
2.1 W	$4,905.58	325SR-75F66-2184	1	$4,905.58	0	$0.00	1	$4,905.58	0	$0.00	2	$9,811.16
2.1 X	$3,494.64	400SR-50F86-0764	0	$0.00	1	$3,494.64	0	$0.00	1	$3,494.64	2	$6,989.28
2.1AE	$5,462.38	NFPA-800S-1000-4A (critica	0	$0.00	1	$5,462.38	0	$0.00	1	$5,462.38	2	$10,924.76
2.1 H	$2,714.46	175SR-40F66-1463	4	$10,857.84	1	$2,714.46	0	$0.00	1	$2,714.46	6	$16,286.76
2.1 O	$2,327.96	250SR-50F66-1563	2	$4,655.92	1	$2,327.96	1	$2,327.96	1	$2,327.96	5	$11,639.80
2.1 N	$2,349.56	250SR-40F66-1463	1	$2,349.56	1	$2,349.56	1	$2,349.56	2	$4,699.12	5	$11,747.80
2.1 U	$2,552.42	325SR-50F66-1364	0	$0.00	1	$2,552.42	1	$2,552.42	1	$2,552.42	3	$7,657.26
2.1 AA	$5,426.50	475SR-100F86-1186 (critic	1	$5,426.50	0	$0.00	1	$5,426.50	0	$0.00	2	$10,853.00
2.1 AC	$9,468.84	NFPA-625S-1500-7A (critica	2	$18,937.68	0	$0.00	1	$9,468.84	0	$0.00	3	$28,406.52
2.1 V	$3,319.40	325SR-60F66-1864		$0.00	1	$3,319.40	0	$0.00	1	$3,319.40	2	$6,638.80
2.1 R	$1,541.17	325SR-25F66-0763		$0.00	1	$1,541.17		$0.00	1	$1,541.17	2	$3,082.34
		TOTAL	23	$90,520.86	18	$51,266.00	19	$72,304.29	19	$53,041.22	79	$267,132.37

2020 TOTAL	1st QTR Qty	1st QTR Cost	2nd QTR Qty	2nd QTR Cost	3rd QTR Qty	3rd QTR Cost	4rth QTR Qty	4rth QTR Cost	2020 TOTAL Qty	2020 TOTAL COST
2020 Motor Spares	22	$155,020.77	12	$90,008.78	14	$110,803.49	12	$91,136.70	60	$446,969.74
2020 Pump Spares	23	$90,520.86	18	$51,266.00	19	$72,304.29	19	$53,041.22	79	$267,132.37
	45	$245,541.63	30	$141,274.78	33	$183,107.78	31	$144,177.92	139	$714,102.11
									Quarterly Average	$178,525.53

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 08-FY2020
Relative to Approval of Contract for Construction of the Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant, GWA Project No. S18-002-OEA

What is the project's objective and is it necessary and urgent?
The objective of the Upgrade of the Outfall Effluent Diffuser Installation Project for Northern District Wastewater Treatment Plant project is to install the effluent diffuser which is required to meet the NPDES Discharge permit for the plant. The diffuser will connect to the current outfall pipe which has a single discharge point for all the WWTP effluent. The diffuser is 400 feet long with forty (40) 6" outlets that will distribute the effluent over a much larger area to take advantage of the dilution requirements specified in the NPDES Permit.

This project is an essential component of the infrastructure upgrades necessary to provide adequate treatment in compliance with current regulatory requirements for the protection of Guam's water resources and marine environment, as well as to support the new facilities to be constructed as part of the military build-up. The project is urgent as it is required in order to meet the schedule requirements in the Grants and for the opening of the Marine Cantonment from which the plant will receive wastewater flows.

Where is the location?
The work will be completed at the existing outfall location which is near Tanguisson Beach. The majority of the work will be completed offshore with some valve replacements required just north of Tanguisson Beach.

How much will it cost?
GWA Management seeks CCU approval for the total negotiated amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); plus a seven point three percent (7.3%) contingency of Five Hundred Sixteen Thousand Nine Hundred Forty-One Dollars and Twenty Cents ($516,941.20), to bring the total authorized funding amount to Seven Million Five Hundred Ninety-Four Thousand Five Hundred Forty-One Dollars and Twenty Cents ($7,594,541.20);

When will it be completed?
The anticipated completion of the construction activities by the contractor is December 31, 2021.

What is the funding source?
Funding for the NDWWTP Upgrade will be from the U.S. Department of Defense, Office of Economic Adjustment, General Assistance Grant (OCON676-16-02) after reallocation of grant funds by OEA from General Assistance Grants (OCON676-16-01 and OCON-18-05).

The RFP/BID responses:
This project was bid on two separate occasions and on each bid, only one bid was received. The only bidder in each case was Healy Tibbetts Builders Inc. In both cases the bids received exceeded the available budget and were rejected.

Following rejection of the bids and the fact that only one bid was received on each bid, and by the same bidder, the project was deemed a sole source procurement and a final scope and price was negotiated with Healy Tibbetts Builders Inc. for the project.

Healy Tibbetts Builders Inc. is recommended for award of the Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant project.

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

RESOLUTION NO. 08–FY2020

RELATIVE TO APPROVAL OF CONTRACT FOR CONSTRUCTION OF THE OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT, PROJECT NO. S18-002-OEA

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the U.S. Department of Defense, Office of Economic Adjustment awarded to GWA a General Assistance Grant (OCON676-16-01) for funding for the Northern District Wastewater Treatment Plant (NDWWTP) Interceptor Sewer Refurbishment Project of which surplus funding in the amount of $5,399,951.20 is available for use on other components of the NDWWWTP upgrade and will be reallocated by OEA to Grant No. (OCON676-16-02) via an OEA Grant Transfer, and

WHEREAS, the U.S. Department of Defense, Office of Economic Adjustment awarded to GWA a General Assistance Grant (OCON676-18-05) for the NDWWTP Upgrade Project (construction) of which surplus funding in the amount of $2,194,590.00 through deductive Change Order No. 1 to the Contract for Construction of Upgrade of the NDWWTP (Contract No. 820 OS) is available for use on other components of the NDWWTP Upgrade and will be reallocated by OEA to Grant No. (OCON676-16-02) via an OEA Grant Transfer; and

WHEREAS, OEA Grant No. (OCON676-16-02) was authorized for use on the NDWWTP Upgrade and Outfall Diffuser Installation projects of which all funding is currently encumbered, but will

have available funding in the amount of $7,594,541.20 following the two Grant Transfers, that will be available for the Construction of the Outfall Effluent Diffuser Installation Project for Upgrade of the NDWWTP; and

WHEREAS, the General Assistance Grants are to be used for water and wastewater improvements in support of the relocation of U.S. Marines and their dependents to Guam; and

WHEREAS, the report "Final Guam Water and Wastewater Assessment Report in Support of the Economic Adjustment Committee Implementation Plan," (NAVFAC, Department of the Navy, February 2015) has recommended the design and construction of NDWWTP treatment upgrades to comply with the current National Pollutant Discharge Elimination System ("NPDES") permit and mitigate impacts to wastewater utilities, nearshore waters, and marine biological resources, which includes the installation of a diffuser pipe on the ocean outfall; and

WHEREAS, the installation of a diffuser on the ocean outfall is necessary to comply with the NPDES permit and to ensure long term compliance with the Guam Water Quality Standards; and

WHEREAS, in January 2017, GWA procured the services of a consulting engineering team (Brown and Caldwell) to provide Project Management / Construction Management (PM/CM) Services for the Office of Economic Adjustment "Guam Water and Wastewater Infrastructure Improvements" via Resolution 15-FY2017 of which design of the Outfall Diffuser is a component; and

WHEREAS, a diffuser pipe was purchased under the contract Construction Contract for Hagåtña and Northern District Sewage Treatment Plant Outfall, Project No. S87-002-LOC, but was not installed and has been stored at the NDWWTP for future use; and

WHEREAS, the Consulting Engineer inspected the diffuser piping in 2017 and determined that the piping purchased under Project No. S87-002-LOC was suitable for use for installation under this Contract; and

WHEREAS, GWA advertised an Invitation for Bid IFB-08-ENG-2018 – Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant to Secondary Treatment on January 16, 2018 soliciting proposals from experienced and responsive bidders for construct of the project; and

WHEREAS, Bids were due on February 23, 2018, however, only one bid was received from Healy Tibbitts Builders, Inc.; and

WHEREAS, the Healy Tibbitts Builders, Inc. bid far exceeded the funds available and was rejected on March 8, 2018 pursuant to 2 GAR §3115(d)(2)(iv) (See Exhibit A – Rejection Letter 1); and

WHEREAS, the Consulting Engineer reviewed the diffuser design, updated the Contract Documents and added bid alternates in an attempt to reduce the project cost to meet the available budget; and

WHEREAS, GWA advertised a second Invitation for Bid IFB-08-ENG-2018 – Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant to Secondary Treatment (Re-bid) on July 27, 2018 soliciting proposals from experienced and responsive bidders for construction of the project; and

WHEREAS, Bids were due again on September 13, 2018 with only one bid received from Healy Tibbitts Builders, Inc. in the amount of $9,396,000.00; and

WHEREAS, the Healy Tibbitts Builders, Inc. bid still far exceeded the funds available and was rejected on June 17, 2019 pursuant to 2 GAR §3115(d)(2)(iv) (See Exhibit B – Rejection Letter 2); and

WHEREAS, an assessment and determination was made in accordance with 5 GCA § 5214 and 2 GAR § 3112 that only one contractor is available to perform the specialized work necessary to complete the Outfall Effluent Diffuser Installation Project in a timely and

professional manner and it is therefore determined to proceed with a Sole Source Procurement (See EXHIBIT C – Sole Source Determination); and

WHEREAS, GWA Management proceeded to work with Healy Tibbetts on Value Engineering/cost saving measures to arrive at an acceptable scope and budget for the project and finds the Healy Tibbitts Builders, Inc. final negotiated price of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00) to be acceptable (See EXHIBIT D – Price Proposal); and

WHEREAS, GWA Management is seeking approval to enter into contract with Healy Tibbitts Builders, Inc. for Bid IFB-08-ENG-2018 in the amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); and

WHEREAS, GWA further seeks CCU approval of the total negotiated amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); plus a seven point three percent (7.3%) contingency of Five Hundred Sixteen Thousand Nine Hundred Forty-One Dollars and Twenty Cents ($516,941.20), to bring the total authorized funding amount to Seven Million Five Hundred Ninety-Four Thousand Five Hundred Forty-One Dollars and Twenty Cents ($7,594,541.20); and

WHEREAS, the funding source for the construction project will be from the General Assistance Grant (OCON676-16-02); and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by Healy Tibbitts Builders, Inc. are fair and reasonable.
3. The CCU hereby authorizes the management of GWA to accept the bid from Healy Tibbitts Builders, Inc. attached hereto as EXHIBIT D, and which is also incorporated into this Resolution in its entirety.

4. The CCU hereby authorizes the management of GWA to execute an Agreement with Healy Tibbitts Builders, Inc in the amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00).
5. The CCU hereby authorizes the funding source for this project to be as described above. CCU approval is contingent on OEA approval of proposed transfer of funds.
6. The CCU hereby authorizes the funding total of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); plus a seven point three percent (7.3%) contingency of Five Hundred Sixteen Thousand Nine Hundred Forty-One Dollars and Twenty Cents ($516,941.20), to bring the total authorized funding amount to Seven Million Five Hundred Ninety-Four Thousand Five Hundred Forty-One Dollars and Twenty Cents ($7,594,541.20).

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

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Exhibit A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6036

March 8, 2018

Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

Attention: Mr. Richard Heltzel
President

Project: IFB-01-ENG-2018
Outfall Effluent Diffuser Installation Project for Upgrade of the northern District Wastewater Treatment Plant (NDWWTP) to Secondary Treatment
GWA Project No. S18-002-OEA

Subject: Notice of Bid Rejection

Hafa Adai Mr. Heltzel:

Thank you for submitting your bid of February 23, 2018. The Guam Waterworks Authority (GWA) regrets to inform you that we must reject your bid proposal pursuant to 2 GAR §3115(d)(2)(iv) because the total bid amount exceeded the funds available and it would not be appropriate to adjust the bid to come within available funds. GWA further finds that this rejection is in the best interest of the territory. Therefore, we are returning herewith your bid security (Bid Bond).

Please keep in mind that GWA intends to re-bid this project in the near future with a revised, possibly segmented and scaled down scope of work. The agency appreciates your interest and encourages your company to continue to participate in GWA procurement processes.

Should you have any questions, please do not hesitate to call Gloria Bensan at 300-6042 or email at gpbensan@guamwaterworks.org.

Sincerely,

MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure

MCB;gb

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:
Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

SURETY *(Name, and Address of Principal Place of Business)*:
Federal Insurance Company
202B Hall's Mill Road
Whitehouse Station, NJ 08889

OWNER *(Name and Address)*:
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

BID
Bid Due Date: February 23, 2018
Description:

OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT (NDWWTP) TO SECONDARY TREATMENT

GWA Project No. S18-002-OEA
OEA Grant OCO N676-16-02

BOND
Bond Number: N/A
Date: January 31, 2018
Penal sum ***Fifteen Percent (15%) of Bid Amount*** $ ----------
(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER	**SURETY**
Healy Tibbitts Builders, Inc. (Seal)	Federal Insurance Company (Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: Richard A. Heltzel	By:
Signature	Signature (Attach Power of Attorney)
Richard A. Heltzel	Pamela A. Cruz
Print Name	Print Name
President	Attorney-In-Fact
Title	Title
Attest:	Attest:

Countersigned by:
Takagi & Associates, Inc
Resident General Agent

Signature	Signature
Guam Area Manager	Customer Service Representative
Title	Title

Note: Addresses are to be used for giving any required notice.
Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or

3.2 All Bids are rejected by Owner, or

3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Chubb Surety | **POWER OF ATTORNEY** | **Federal Insurance Company**
Vigilant Insurance Company
Pacific Indemnity Company

Attn: Surety Department
15 Mountain View Road
Warren, NJ 07059

Know All by These Presents, That **FEDERAL INSURANCE COMPANY,** an Indiana corporation, **VIGILANT INSURANCE COMPANY,** a New York corporation, and **PACIFIC INDEMNITY COMPANY,** a Wisconsin corporation, do each hereby constitute and appoint **Joseph C. Barcinas, Pamela A. Cruz, Hidenobu Takagi and Jo Takagi of Tumon, Guam----------**

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY,** and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this **1st** day of **October, 2014.**

Dawn M. Chloros, Assistant Secretary

David B. Norris, Jr., Vice President

STATE OF NEW JERSEY
ss.
County of Somerset

On this **1st** day of **October, 2014** before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies, and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal

KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316685
Commission Expires July 16, 2019

Notary Public

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(i) the foregoing extract of the By- Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 31st, January 2018

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com

Form 15-10- 0225B- U GEN CONSENT (rev. 02-14)

GOVERNMENT OF GUAM
DEPARTMENT OF REVENUE AND TAXATION
OFFICE OF THE BANKING AND INSURANCE COMMISSIONER

CERTIFICATE OF AUTHORITY

RENEWAL 135

Know All Men By These Presents That:

Name FEDERAL INSURANCE COMPANY

Address 202B HALL'S MILL ROAD
WHITEHOUSE STATION NJ 08889

Classes of Insurance Authorized

ACCIDENT & HEALTH
FIDELITY & SURETY
FIRE
MARINE
MISCELLANEOUS
MOTOR VEHICLE
PROP. DAMAGE & LIABILITY
WORKMENS COMP

Having complied with the Insurance Law of Guam, is hereby authorized to transact as an insurer, the above named Classes of Insurance in Guam from the 01 ***day of*** July , ***20*** 17 , ***to the*** 01 ***day of*** July , ***20*** 18 , ***unless authority is revoked for failure to comply with the law.***

General Agent(s):

TAKAGI & ASSOCIATES INC
CASSIDY'S ASSOCIATED INSURERS INC

In Witness Whereof, I have hereunto subscribed my name officially and have hereon impressed my Seal of Office at the City of Hagatña, Guam on this 05 ***day of*** June ***A.D. 20*** 17.

Artemio B Ilagan

ARTEMIO B. ILAGAN
Banking and Insurance Commissioner

CCU Regular Meeting November 26, 2019 - GWA

Exhibit B

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6035

June 17, 2019

Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

Attention: Mr. Richard Heltzel
President

Project: IFB-08-ENG-2018
Outfall Effluent Diffuser Installation Project for Upgrade of the Northern district Wastewater Treatment Plant (NDWWTP) to Secondary Treatment (Re-Bid)
GWA Project No. S18-002-OEA

Subject: Notice of Bid Rejection

Hafa Adai Mr. Heltzel:

Thank you for submitting your bid of September 13, 2018. The Guam Waterworks Authority (GWA) regrets to inform you that we must reject all bid proposals pursuant to 2 GAR §3115(d)(2)(iv) because the total bid amount exceeded the funds available and it would not be appropriate to adjust the bid to come within available funds. GWA further finds that this rejection is in the best interest of the territory. Therefore, we are returning herewith your original bid security in the form of Bid Bond.

The agency appreciates your interest and encourages your company to continue to participate in GWA procurement processes.

Should you have any questions, please do not hesitate to call Gloria Bensan at 300-6042 or email at gpbensan@guamwaterworks.org.

Sincerely,

MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure

MCB;gb

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:
Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

SURETY *(Name, and Address of Principal Place of Business)*:
Federal Insurance Company
202B Hall's Mill Road
Whitehouse Station, NJ 08889

OWNER *(Name and Address)*:
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

BID
Bid Due Date: 9/13/18
Description:

OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT (NDWWTP) TO SECONDARY TREATMENT

GWA Project No. S18-002-OEA
OEA Grant OCO N676-16-02

BOND
Bond Number: N/A
Date: August 28, 2018
Penal sum ***Fifteen Percent (15%) of Bid Amount*** (Words) $---------- (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER	SURETY
Healy Tibbitts Builders, Inc. (Seal)	Federal Insurance Company (Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: Richard A. Heltzel	By: Pamela A. Cruz
Signature	Signature (Attach Power of Attorney)
Richard A. Heltzel	Pamela A. Cruz
Print Name	Print Name
President	Attorney-In-Fact
Title	Title
Attest:	Attest:

Section 00430
Bid Bond

Countersigned by: Tikagi & Associates, Inc. Resident General Agent

Signature	Signature
District Manager	CSR
Title	Title

Note: Addresses are to be used for giving any required notice.
Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

   3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or

   3.2 All Bids are rejected by Owner, or

   3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Chubb Surety	POWER OF ATTORNEY	Federal Insurance Company Vigilant Insurance Company Pacific Indemnity Company	Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **Joseph C. Barcinas, Pamela A. Cruz, Hidenobu Takagi and Jo Takagi of Tumon, Guam**----------

each as their true and lawful Attorney- In- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 1st day of **October, 2014.**

Dawn M. Chloros, Assistant Secretary

David B. Norris, Jr., Vice President

STATE OF NEW JERSEY

ss.

County of Somerset

On this 1st day of **October, 2014** before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority, and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal

KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316685
Commission Expires July 16, 2019

Notary Public

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

> "All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(i) the foregoing extract of the By- Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 28th, August 2018

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail surety@chubb.com

Form 15-10- 0225B- U GEN CONSENT (rev. 02-14)

GOVERNMENT OF GUAM
DEPARTMENT OF REVENUE AND TAXATION
OFFICE OF THE BANKING AND INSURANCE COMMISSIONER

CERTIFICATE OF AUTHORITY

RENEWAL 135

Know All Men By These Presents That:

Name FEDERAL INSURANCE COMPANY

Address 202 N. ILLINOIS STREET
INDIANAPOLIS IN 46282

Classes of Insurance Authorized

ACCIDENT & HEALTH
FIDELITY & SURETY
FIRE
LIFE
MISCELLANEOUS
MOTOR VEHICLE
PROP. DAMAGE & LIABILITY
WORKMENS COMP

Having complied with the Insurance Law of Guam, is hereby authorized to transact as an insurer, the above named Classes of Insurance in Guam from the 01 *day of* July *, 20* 18 *, to the* 01 *day of* July *, 20* 19 *, unless authority is revoked for failure to comply with the law.*

General Agent(s):

TAKAGI & ASSOCIATES INC
CASSIDY'S ASSOCIATED INSURERS INC

In Witness Whereof, I have hereunto subscribed my name officially and have hereon impressed my Seal of Office at the City of Hagatña, Guam on this 29 *day of* June *A.D. 20* 18.

JOHN P. CAMACHO
Acting Banking and Insurance Commissioner

CCU Regular Meeting November 26, 2019 - GWA

Exhibit C

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

Sole Source Determination

IFB-08-ENG-2018 Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant

Submitted by: Miguel C. Bordallo P.E., General Manager

This memo shall provide the independent assessment and determination to meet the requirements set forth in 5 GCA § 5214 and 2 GAR § 3112 that only one contractor is available to perform the specialized work necessary to complete the above-mentioned project in a timely and professional manner.

The procurement for this project was first let on February 23rd, 2018 and there was only one bidder at that time. That bid was over 4 times the engineer's estimate. The project scope, methods and approved materials were modified by the engineering team in hopes of lowering the project cost and broaden the bidder field. The project was let for a second time on September 13th, 2018. Although several more potential bidders picked up procurement packets and expressed interest, only one bidder submitted a packet. It was the same bidder on both procurements, Healy-Tibbets Builders, Inc.

This project has very critical timing aspects to it - both environmental and regulatory. As a result, GWA cannot afford to put this project out to bid a third time. There are no other bidders suitable or acceptable to meet the needs of the Authority. GWA will negotiate in good faith with the sole bidder to ensure the project is built at the best possible price and in the best interest of the ratepayers.

A record of this procurement will be memorialized and provided to the Speaker of the Guam Legislature.

Miguel C. Bordallo P.E.
General Manager

11·18·19
Date

Exhibit D

HEALY TIBBITTS BUILDERS, INC.
General Contractors – Hawaii License No. AC-15669
99-994 Iwaena Street • Suite A • Aiea, Hawaii 96701
Telephone (808) 487-3664 • Facsimile (808) 487-3660

April 30, 2019

SENT VIA EMAIL: jjohnson2@brwncald.com

BROWN AND CALDWELL
414 West Soledad Ave., Suite 602
Hagatna, Guam 96910

Attention: Jerry Johnson, Managing Engineer – Construction Lead

Reference: **Guam Waterworks Authority (GWA) Project No. S18-002-OEA**
Outfall Effluent Diffuser Installation Project

Subject: **Updated Bid Form and Assumptions**

Dear Jerry,

Healy Tibbitts Builders, Inc. (HTBI) proposes to furnish labor, material, and equipment necessary complete the installation of the outfall effluent diffuser for the GWA Northern District Wastewater Treatment Plant. The updated total price is Seven Million, Seventy-Seven Thousand, Six Hundred Dollars.

$7,077,600.00

SCOPE OF WORK

The scope of work is in compliance with the original contract bid documents with the following changes:

1. End Clamp
   a. HTBI will reuse the existing end clamp, eliminating the need for removal and fabrication of a new clamp.
   b. HTBI will clean and prepare the existing end clamp for connection to the HDPE miter section.
   c. HTBI will install three anodes on the existing end clamp.

2. Permanent Materials
   a. HTBI will use the existing 4 each by 100-FT HDPE diffuser pipe sections.
   b. HTBI will furnish and install Articulated Concrete Block (ACB) Mattresses as diffuser section ballast. These ACB mats will be constructed using 3-braid poly line in lieu of "Blue Steel" rope.
   c. HTBI will use the existing backer rings for the HDPE diffuser pipe sections but will furnish and install new Hot-Dipped-Galvanized (HDG) backer rings for the HDPE miter sections and diffuser connections.
   d. HTBI will furnish and install two anodes per each pipeline flange backer ring.
   e. HTBI will furnish and install 304 Stainless Steel Hardware for backer ring connections in lieu of AL6XN

3. Standby
   a. The standby allowance was adjusted from 15 days to 5 days.
   b. The 5 days were broken down between Operational Standby, Weekday Standby, and Weekend Standby.

PRICING.

1. Mobilization/Demobilization		
a. Marine services and equipment, including barges, tugs, vessels, cranes – all inclusive, lump sum price		$3,020,000.00
b. Commercial diving equipment and associated insurance		$500,000.00
c. Bonds, other insurance, travel, permit fees, Business Privilege Tax at 5% (effective 10/1/19), lump sum price		$410,000.00
2. Materials and Transport – Articulated Concrete Block Mats, Owner-Supplied HDPE Pipe, Supplemental Pipe Fittings, Backer Rings, and Anodes		
a. Articulated Concrete Block Mats, lump sum price		$180,000.00
b. Anodes for flange backer rings, diffuser port backer rings, and end clamp, lump sum price		$5,000.00
c. Hardware for existing backer rings, lump sum price		$35,000.00
d. Additional diffuser port backer rings and hardware, lump sum price		$20,000.00
e. Transportation of existing HDPE pipe to project site, lump sum price		$65,000.00
f. Supplemental HDPE elbows, pipe fittings, galvanized steel backer rings, anodes, and accessories, lump sum price		$55,000.00
3. Installation, Inclusive of Diving Labor		
a. Installation for HDPE pipe; cleaning and installation of flange backer rings and anodes; cleaning and installation of diffuser port backer rings, valves, and anodes; and installation of articulated concrete block mats, lump sum price		$2,000,000.00
b. Installation for supplemental HDPE elbows, pipe fittings, backer rings and anodes – all inclusive, lump sum price		$370,000.00
c. Cleaning of existing flange end clamp and installation of anodes, lump sum price		$50,000.00
4. Effluent Flow Bypass Materials and Execution		
a. Materials: Knife gate valves and couplings, lump sum price		$95,000.00
b. Installation and operation of knife gate valves and couplings, lump sum price		$50,000.00
5. **Operational Standby Time Allowance** – (If an unplanned shutdown is required, this allowance covers securing the watercraft and preparing the jobsite for shutdown, and then returning to the	2 days x $48,000/day	$96,000.00

jobsite to recover and reinitiate work). This is an Owner controlled allowance.		
6. **Weekday Standby Time Allowance** – (Following an unplanned Operational Shutdown, this allowance covers the Contractor's expenses during the regular work week). This is an Owner controlled allowance.	1 day x $46,600/day	$46,600.00
7. **Weekend Standby Time Allowance** – (Following an unplanned Operational Shutdown, this allowance covers the Contractor's expenses that occur during a weekend (non - regular working hours)). This is an Owner controlled allowance.	2 days x $40,000/day	$80,000.00
Total Price including Lump Sum and Standby Allowance (Extended Unit Price)		**$7,077,600**

SEVEN MILLION, SEVENTY-SEVEN THOUSAND, SIX HUNDRED DOLLARS

** Any additional value engineering or cost savings items is encouraged. Those identified beyond the total price noted above either by Healy Tibbitts or proposed by the Owner and found acceptable by Healy Tibbitts will be shared by both parties equally.

Pricing Notes:

a. Pricing includes bond.
b. Pricing includes 5% Guam Business Privilege Tax

Thank you for this opportunity to submit a proposal. Please contact the undersigned at raheltzel@healytibbitts.com/(808) 487-3664 (office)/(808) 479-2941 (cell) if you have any questions or require any additional information.

Very truly yours,
Healy Tibbitts Builders, Inc.

Richard A. Heltzel (Rick)
President

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Issues for Decision

Resolution No. 09-FY2020
Relative to the Adoption of General Provisions to Guam Waterworks Authority Operating Budgets

What is the project's objective and is it necessary and urgent?
General provisions to the budget will allow the General Manager to transfer up to ten percent (10%) of the total budget between and among budget categories to address changing priorities throughout the fiscal period. The provisions request to increase the General Manager's contractual authority from $750,000 up to $1,000,000 without first obtaining CCU approval. This request allows GWA to expeditiously finalize contracts following lengthy procurement processes.

Where is the location?
Agency-wide

How much will it cost?
N/A

When will it be completed?
FY2020 Budget implementation started on October 1, 2019. Expenses at this time are based on FY2019 Budget revenues. Until superseded by the CCU, the provisions included in this resolution will apply to matters going forward.

What is the funding source?
O&M

The RFP/BID responses (if applicable):
N/A

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

GWA RESOLUTION NO. 09-FY2020

RELATIVE TO THE ADOPTION OF GENERAL PROVISIONS TO GUAM WATERWORKS AUTHORITY OPERATING BUDGETS

WHEREAS, Section 8104 (c), Chapter 8 and Section 14104 (c) Chapter 14 of Title 12 of the Guam Code Annotated authorizes the Guam Waterworks Authority to establish its internal organization and management and adopt regulations for the administration of its operations; and

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the CCU approved GWA's Five-Year Financial Plan for filing with the Public Utilities Commission on June 5, 2019 and GWA submitted the approved plan to the Public Utilities Commission (PUC) on July 6, 2019; and

WHEREAS, the Financial Plan addresses the five-year period of FY2020-FY2024: (1) estimated annual budgets for operations, maintenance and repair of GWA's water and wastewater system, including capital improvement projects; and (2) a descriptive plan for raising sufficient revenue to meet the projected costs set forth in the budgets; and

WHEREAS, the first fiscal period of the Financial Plan started on October 1, 2019 and to avoid interruptions in operational activities pending PUC approval, GWA management maintains authorized spending levels from FY2019; and

WHEREAS, Management seeks CCU approval to implement general provisions for GWA's operating budgets; and

NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities does hereby approve the following:

1. Authorized level of positions for FY2020 shall be 400 full-time employees.
2. The General Manager is authorized to transfer up to ten percent (10%) between and among O&M budget expenses, excluding salaries and benefits; transfers will be reported to the CCU. Any transfers exceeding ten percent (10%) requires CCU approval.
3. The General Manager's delegated contract approval is authorized at $1,000,000.00. The General Manager shall seek CCU approval for expenditures in excess of $1,000,000.00.
4. This resolution will remain in place unless superseded by the CCU.

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

_____
JOSEPH T. DUENAS
Chairperson

Attested by:

_____
MICHAEL T. LIMTIACO
Secretary

//

//

//

SECRETARY'S CERTIFICATE

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

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

AYES: _____

NAYS: _____

ABSTENTIONS: _____

ABSENT: _____

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

Special Board Meeting
Guam Waterworks Authority
CCU Conference Room, Gloria B. Nelson Public Service Building
5:30 p.m., August 9 2019

MINUTES

1. CALL TO ORDER

The Chairman called the CCU / GWA Special Meeting of the Consolidated Commission on Utilities for August 9, 2019 to order at 5:32 p.m. He said four (4) Commissioners were present and that Comm. Sanchez was excused. He said this meeting is for GWA issue only and follows the matter relative to the 5-year Master & Financial Plan.

The GM said this meeting was initially meant to review and approve the bond issuance & borrowing that GWA will need to complete the Court Order requirements however the necessary documents were placed on hold due to the uncertainty of the timing of when PUC will act on the rate case. Rather than presenting a resolution, management will update the Commission on the status of the 5-year Master Plan and the Bond Issuance to date.

Others in attendance include:

Commissioners:

Joseph T. Duenas	CCU Chairman
Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer

Executive Mgmt.:

Miguel Bordallo	GM / GWA
Chris Budasi	AGMA / GWA
Kelly Clark	Legal Counsel / GWA

Management & Staff:

Paul Kemp	Asst. GM Compliance & Safety / GWA
Vangie Lujan	Compliance / GWA
Lou Sablan	Board Secretary / CCU

Guests:

Mark Miller	Commissioner / PUC

2. COMMUNICATIONS

2.1 Public Comments – None

3. NEW BUSINESS

3.1 Discussion on Upcoming Bond Issuance

- Bonds were originally planned for 2018 under 2nd legislative authorization of $450M
- In FY2018, decision was made to delay bond issuance and rate relief request to support borrowing
- Bonds are required for 2011 Court Order projects, NDWWTP and upcoming Consent Decree

GWA Historic Bond Activity			
Year	Authorizations	Issuances	Balance
Legislative Authorizations			
2005	$ 220,000,000		
2009/2010	$ 450,000,000		
	$ 670,000,000		$ 670,000,000
Completed Bonds			
2005		$ 101,175,000	$ 568,825,000
2010		$ 118,825,000	$ 450,000,000
2013		$ 172,630,000	$ 277,370,000
2016		$ 143,310,000	$ 134,060,000
		$ 434,765,000	
Proposed Bonds			
2019		$ 134,060,000	$ -

Breakdown of Proposed 2019 Bond				$ 134,060,000
1 Consent Decree Projects				
PW 09 11	Water System Reservoir Improvements	$ 26,188,000		
PW 11 02	Ugum WTP Reservoir	$ 7,500,000		
PW 12 06	Tank Replacement Piti & Hyundai	$ 6,500,000		
MP PW Tank 22	Existing Tank Inspections/Assessment	$ 150,000		
		$ 40,338,000	$	40,338,000
2 NDWWTP Completion / OEA Projects				
MP WW WWTP 08	Northern District WWTP Completion	$ 14,500,000	$	14,500,000
3 Future Consent Decree Projects				
MP WW Pipe 17	Mamajanao Capacity Replacement	$ 1,700,000		
MP WW FM 01	Force Main Replacement / Rehab	$ 100,000		
MP WW FM 02	Yigo FM Replacement	$ 200,000		
MP WW FM 03	Route 1 Asan Force Main Replacement	$ 2,124,000		
MP WW FM 04	Hagatna WWTP Force Main Rehab	$ 6,689,000		
MP WW Pump 01	Lift Station Yrehab Program	$ 8,620,000		
MP WW Pump 02	Fujita Lift Station	$ 10,923,000		
		$ 30,356,000	$	30,356,000
4 Other Water / Wastewater Improvements per 2018 WRMP			$	48,866,000
Production wells: new and rehabilitation				
Water distribution system - pipe and valve replacements				
Pressure Zone Realignment projects				
Valve, tank inspection, repair and maintenance projects				
Sewer line and manhole repair, rehabilitation projects				
Sewer line replacement projects				
SCADA projects				
General Plant improvement projects				
Security and resiliency projects				
Planning and Master Plan Updates				

4. OLD BUSINESS

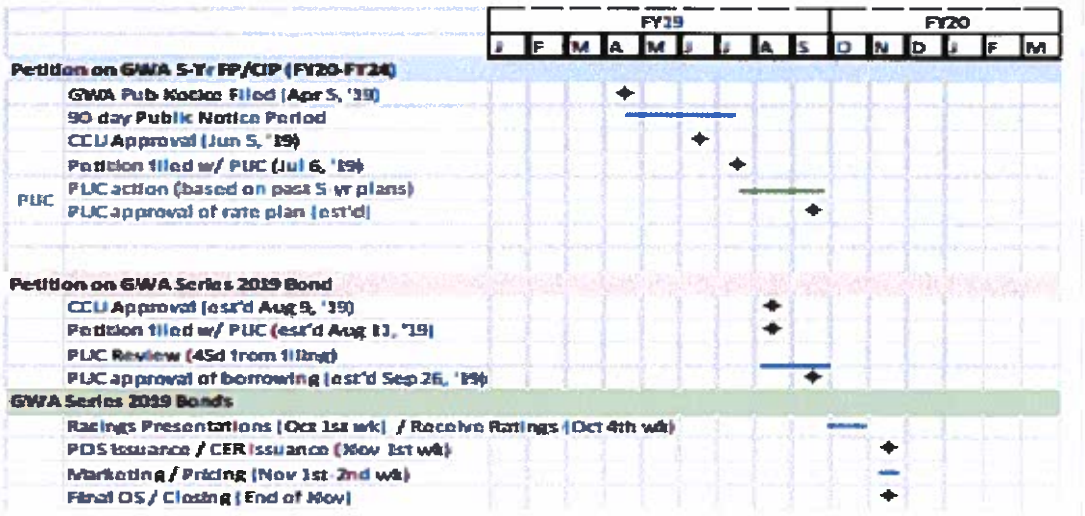
4.1 Discussion on GWA's Five-Year Fininancial Plan and CIP

- GWA filed public notice of financial plan and proposed rate increases on April 5, 2019 (90-day) and June 6, 2019 (30-day)
- 90-day public notice period required by Ratepayer Bill of Rights commenced April 5, 2019 to July 6, 2019

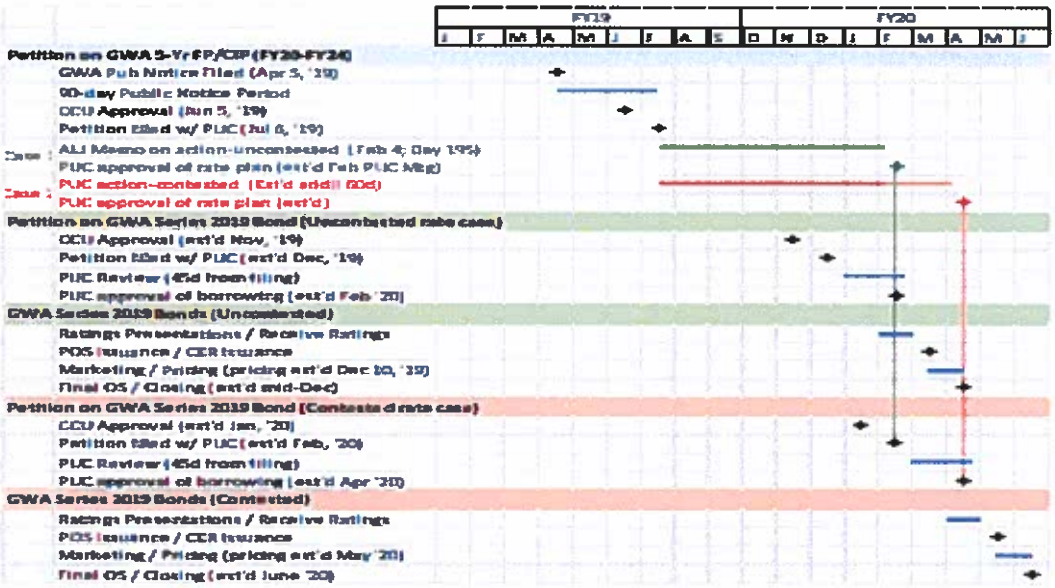
- GWA held three (3) village meetings and conducted
  - Yigo, Agat/Santa Rita, Mangilao village meetings: May 2019
  - Governor/Lt. Gov., Speaker Barnes / Sen. Perez, Mayor's Council: May-June 2019
  - Guam Chamber of Commerce, Rotary Club of Guam, Guam Society of Professional Engineers: May-July 2019
- GWA filed rate case petition with PUC on July 6, 2019
- Based on past PUC action, anticipated decision w/in 60-90 days by FY2020

RATE PLAN AND FINANCING SCHEDULE IMPACTS

GWA Planned Schedule



PUC Planned Schedule



Current Status

- PUC ALJ and consultant have indicated full 120-day action period is likely (formal PUC approval February 2020), and even longer if Navy intervenes.
- Upon PUC ALJ request, GWA notified Navy and asked if they intended to intervene in rate case petition
- GWA was notified August 2nd that Navy Counsel has decided to intervene in rate case
- With a contested rate case, 5-yr rate plan is not likely to be approved until April 2020
- Bond Counsel has advised that GWA cannot go to the market without approved rate relief to support the borrowing and meet the indenture requirements, therefore, if PUC does not approve a rate plan until February of 2020
  - GWA will not be able to complete Court Order Projects on time
  - GWA may not be able to complete NDWWTP upgrades required by OEA

GWA Actions

- Consulting Engineers report on-going; POS development is on-hold
- Counsel is verifying
  - PUC public notice requirements
  - PUC statutory action requirements
- Acting CFO, GM and Counsel are evaluating options
  - Filing for approval of year 1 rate to facilitate reduced borrowing to cover Court Order and NDWWTP/OEA project needs
  - File motion with PUC with scheduling modifications to move up PUC public notice period and shorten overall approval
  - File notice with the District Court advising of delay to completion of Court Order projects due

The GM advised that bond counsel said GWA has to be able to show that it can meet the coverages in the indenture either historically or prospectively – historically using the current rates or prospective using approved forward looking rates. The GM said they do not have the perspective piece at this time.

He added that he asked what if GWA only asked for year 1 rate increase but in order to do this sand to meet the requirement it would mean a $75M borrowing and the increase would be 17%. The GM said if this request was made, he is concerned that the PUC would restart the clock and he is not sure of the value of asking this question at this point.

Comm Santos asked what the Navy intervention mean? Counsel Kelly said that it is not clear or hard to guess. The Navy never intervened before. The GM said that he made it clear to the Navy that they have no special rates with GWA

Comm. Santos what would happen if GWA does not complete the Court Order on time. If GWA was in contempt, it would be USEPA's call.

The GM said he made it clear in the last scheduling conference that the reason he would like to expedite their approval was specifically for the Court Order and to get the best interest rates to benefit the ratepayers.

The GM clarified that the 17% increase in year 1 would be followed by no rate increases for the next following 2 years.

Management also added that they had a pre-filing conference with PUC and their consultants in April to see if they get ahead of the process.

Comm. Limtiaco asked besides the potential for Navy intervention what is different this time and management said the last 2 rate cases were handled by a different ALJ and a different consultant.

The Chairman said we just need to keep communications with the ALJ and to respond immediately to request for information [RFI].

Comm. Limtiaco said it is also important to let USEPA know that GWA has met all their timelines and we have no control over PUC.

5. ANNOUNCEMENTS

5.1 Next CCU Meetings:

The Chairman reminded the Commissioners of the August meeting dates – GPA Work Session on August 20; GPA Work Session on August 22, a CCU/GWA Meeting on August 27 and a CCU/GPA meeting on August 29.

There was discussion on the scheduling for CCU meetings relative to timelines for GPA and GWA key matters.

Comm. Limtiaco said it is important that there is no delay and is wondering if we need to move faster. We should decide to draft a resolution and recess this meeting and present the draft resolution when we meet again.

Comm. Guthertz motioned to recess this meeting until Friday, August 16, 2019 at 4 p.m., second by Comm. Santos. There was no further discussion or objection and the motion passed.

CONTINUATION of Special Board Meeting
Of Guam Waterworks Authority on August 9, 2019
CCU Conference Room, Gloria B. Nelson Public Service Building
RECONVENED at 5:30 p.m., August 16, 2019

CCU Vice Chairman called the meeting to order at 4:11 p.m. He said this is a continuation of a Special Meeting held on August 9, 2019.

Those present include:

Commissioners:

Francis E. Santos	CCU Vice Chairman
Michael T. Limtiaco	CCU Secretary
Judith P. Guthertz	CCU Treasurer
Simon A. Sanchez	Commissioner

Executive Mgmt.:

Miguel Bordallo	GM / GWA
Kelly Clark	Legal Counsel / GWA

Management & Staff:

Zina Pangelinan	Personnel Admin / GWA HR
Lou Sablan	Board Secretary / CCU

Comm. Guthertz moved to excuse Chairman Duenas who is off-island; second by Comm. Santos. There was no objection.

GM Bordallo said at the last meeting management received instruction from the CCU to examine whether notification needed to be provided to the court with respect to the potential delay of the rate plan and subsequent borrowing which would cause delay in the completion of court ordered project. Counsel found a provision in the Court Order which allows for dispute resolution. He said management has been in discussion with USEPA about this delay and other potential delays and they have not disputed that additional time is required so management is not sure whether or not to use this clause to handle any dispute resolution. Management feels that at this point it would be premature to make an official notice to the court. As the deadline gets closer and with better handle of deadlines with court ordered projects it would be best to postpone any filings.

Comm. Limtiaco said the CCU at the last meeting raised concerns if the Commission had a duty to notify the court and what was outlined was the sense of urgency. Given managements input today perhaps there's a different course of action other than notifying the courts. Comm. Limtiaco made it clear the he thinks management should notify all parties as soon as possible. GM Bordallo confirmed that EPA and DOJ are aware of the current situation. DOJ has expressed in a recent email that they are concerned and not happy about the proposed rate case schedule for approval. The GM said he would

be happy to provide details at an executive session at a future meeting. There was discussion to possibly amend the agenda to include an executive session for further discussion.

Comm. Guthertz asked why the PUC delayed the rate case approval. The GM set up the schedule for this rate schedule based on past rate case but PUC is being very conservative in their scheduling and more formal than in the previous rate cases. One example is they asked about Navy and possibility of their intervention which they did not do in the past. ALJ has been very conservative with scheduling.

Comm. Sanchez said PUC knows that GWA needs this borrowing to finish the court order. He recommended that management write ALJ letter to share concern that we stay on track and on time to complete the court order with copy to EPA, the PUC Commissioners. He also commented that he was surprised that PUC is asking for Navy's opinion and encouraged management to continue collaborative efforts Our goals are the same - to finish the court order. He is comfortable to authorize the Chairman to capture in writing CCU's sentiment / concern and copy EPA, PUC Commissioners and the CCU.

The GM said he will be presenting to Navy on Tuesday next week at their offices in Nimitz Hill. Management will give the same presentation that was given to the Governor.

Management will update CCU at the GWA WS on August 20th.

6. ADJOURNMENT

There being no other business to bring before the Commission, the meeting adjourned at 4:35 p.m.

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Attested

JOSEPH T. DUENAS, Chairman

MICHAEL T. LIMTIACO Secretary

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

GWA RESOLUTION NO. 07-FY2020

RELATIVE TO CONTRACT RENEWAL OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS AND MOTORS INVENTORY FOR DEEPWELLS

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA advertised an Invitation for Bid (IFB) 2015-03 soliciting cost quotations from experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors to provide adequate stock replenishment when needed; and

WHEREAS, there was one responsive and responsible bidder who met Submersible Pumps and Motors requirements of IFB 2015-03; and

WHEREAS, the IFB 2015-03 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for Submersible Pumps and Motors made by JMI-Edison is fair and reasonable by the basis of past purchases made (EXHIBIT A); and

WHEREAS, GWA accepted JMI-Edison's bid proposal of indefinite quantity bid of "All or None Bid for Franklin Electric Motors" and "All or None Bid for Franklin Electric and

Grundfos Pump" with an estimated total amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) (EXHIBIT B); and

WHEREAS, CCU approved the three (3) year contract with JMI Edison in the amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) (EXHIBIT C); and

WHEREAS, GWA Management renewed the contract for a one-year term (EXHIBIT D); and

WHEREAS, GWA Management renewed the contract for a second one-year term (EXHIBIT E); and

WHEREAS, PUC approved the purchase of Submersible Pumps and Motors under existing contract with JMI-Edison for FY2018, at a cost not to exceed Six Hundred Twelve Thousand Seven Hundred Seventy-Eight Dollars and Thirteen Cents ($612,778.13) (EXHIBIT F); and

WHEREAS, PUC approved the purchase of Submersible Pumps and Motors under existing contract with JMI-Edison for FY2019, at a cost not to exceed Seven Hundred Thirty-Six Thousand Eight Hundred Sixty-Six Dollars and Fifty-Five Cents ($736,866.55) (EXHIBIT G); and

WHEREAS, GWA Management seeks CCU approval to purchase sixty (60) submersible motors of various sizes in the amount of Four Hundred Forty Six Thousand Nine Hundred Sixty Nine Dollars and Seventy Four Cents ($446,969.74) and seventy-nine (79) submersible pumps of various types or stages in the amount of Two Hundred Sixty Seven Thousand One Hundred Thirty Two Dollars and Thirty Seven Cents ($267,132.37) which totals to Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11) (EXHBIT H) ; and

WHEREAS, the source of funding for the purchase of sixty (60) submersible motors and seventy-nine (79) submersible pumps of various types or stages will be from FY2020 Internally Funded Capital Improvement Projects.

NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU hereby authorizes the management of GWA to proceed based on the renewal for a second one-year contract with IFB 2015-03 (EXHIBIT E).
3. The CCU hereby further authorizes the management of GWA to purchase Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11) (EXHBIT H), and authorizes management to seek PUC approval as required by GWA Docket 19-02 (EXHIBIT G).
4. The CCU hereby further approves the funding amount total of Seven Hundred Fourteen Thousand One Hundred Two Dollars and Eleven Cents ($714,102.11).

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

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

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

AYES: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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EXHIBIT A

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

MAR 3 1 2015

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

RE: Notice of Award for GWA Bid No. 2015-03
For: Submersible Motors, Pumps, and Pump & Motor

Hafa Adai!

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JIM Edison for the above described reference in response to its Advertisement for Bids dated January 29, 2015.

Therefore, JMI Edison is hereby notified the proposal for the Indefinite Quantity Bid has been accepted by GWA. Please be advised the Bid Bond must remain in full force and effect until all performance periods have ended **(e.g., until warranty period has ended as any warranty is a service provided in conjunction with the delivery of goods).**

You are hereby advised that any obligations incurred by JMI Edison prior to execution of the contract are at your own risk. GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

You are required to return an acknowledged copy of this Notice of Award to the Procurement & Supply Administrator.

Sincerely,

3/30/2015

Mark G. Miller
General Manager, Interim

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

Dated this 31ST day of March 2015.

By JEFFREY PAESTE
Title Operations Manager

******* END OF NOTICE OF AWARD *******

EXHIBIT B

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-03
Ref: Submersible Motors, Pumps, and Pump & Motor

Invitation for Bid No: GWA 2015-03 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on January 29, 2015 and open as scheduled on March 04, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Z Enterprises, Inc
2. Frontier Supply
3. Hikhjkj
4. JMI Edison
5. Black Const. Corp
6. Benson Guam Ent
7. HDR, Inc
8. Guam Pacific Ent
9. JJ Global
10. Inland Builders
11. Xiong's Family
12. David Meinung

Of the twelve (12), one (1) submitted their bid package, namely:

- JMI Edison

An evaluation committee was formally assembled and met on March 17, 2015 @ 9:30 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

The committee members reviewed the bid proposal and have determined JMI Edison being the only bidder, respectfully submitted a fair cost and are as followed:

"All or None Bid for Franklin Electric Motors"

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
1.1A	SUBMERSIBLE MOTOR 10 H.P.	1	EA	$2,218.17	$2,218.17
B	SUBMERSIBLE MOTOR 20 H.P.	2	EA	$2,797.88	$5,595.76
C	SUBMERSIBLE MOTOR 30 H.P.	1	EA	$3,487.42	$3,487.42
D	SUBMERSIBLE MOTOR 40 H.P.	3	EA	$4,023.70	$12,071.10
E	SUBMERSIBLE MOTOR 50 H.P.	3	EA	$5,332.76	$15,998.28
F	SUBMERSIBLE MOTOR 60 H.P	37	EA	$6,110.36	$226,083.32
G	SUBMERSIBLE MOTOR 75 H.P.	3	EA	$11,171.65	$33,514.95
H	SUBMERSIBLE MOTOR 100 H.P.	4	EA	$12,330.12	$49,320.48
I.	SUBMERSIBLE MOTOR 125 H.P.	2	EA	$16,179.37	$32,358.74
J.	SUBMERSIBLE MOTOR 150 H.P.	3	EA	$19,393.95	$58,181.85
				Total Cost:	**$438,830.07**

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
"All or None Bid for Franklin Electric & Grundfos Pumps"					
2.1 A.	SUBMERSIBLE PUMP 70SR7, 6" X 8 STAGE	1	EA	$1,020.24	$1,020.24
B.	SUBMERSIBLE PUMP 70SR15, 6" X 15 STAGE	1	EA	$1,395.34	$1,395.34
~~C.~~	~~SUBMERSIBLE PUMP 150SR30, 6" X 14 STAGE~~	~~1~~	~~EA~~	~~$1,484.16~~	~~$1,484.16~~
D.	SUBMERSIBLE PUMP 150SR40, 6" X 19 STAGE	1	EA	$1,885.65	$1,885.65
E.	SUBMERSIBLE PUMP 175SR20, 6" X 8 STAGE	1	EA	$1,843.65	$1,843.64
F.	SUBMERSIBLE PUMP 175SR25, 6" X 10 STAGE	2	EA	$2,147.92	$4,295.84
G.	SUBMERSIBLE PUMP 175SR30, 6" X 12 STAGE	1	EA	$2,459.99	$2,459.99
H.	SUBMERSIBLE PUMP 175SR40, 6" X 14 STAGE	10	EA	$2,714.46	$27,144.60
I.	SUBMERSIBLE PUMP 175SR40, 6" X 16 STAGE	3	EA	$2,981.52	$8,944.56
J.	SUBMERSIBLE PUMP 175SR50, 6" X 18 STAGE	1	EA	$3,253.38	$3,253.38
K.	SUBMERSIBLE PUMP 250SR25, 6" X 9 STAGES	1	EA	$1,578.98	$1,578.98
L.	SUBMERSIBLE PUMP 250SR30, 6" X 10 STAGES	3	EA	$1,674.40	$5,023.20
M.	SUBMERSIBLE PUMP 250SR40, 6" X 12 STAGES	3	EA	$1,937.27	$5,811.81
N.	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	EA	$2,349.56	$9,398.24

O.	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	EA	$2,327.96	$23,279.60
P.	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	EA	$2,942.51	$5,885.02
Q.	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	EA	$3,223.97	$9,671.91
R.	SUBMERSIBLE PUMP 325SR25, 6" X 7 STAGES	1	EA	$1,541.17	$1,541.17
S.	SUBMERSIBLE PUMP 325SR40, 6" X 9 STAGES	2	EA	$1,842.45	$3,684.90
T.	SUBMERSIBLE PUMP 325SR40, 6" X 11 STAGES	1	EA	$2,236.14	$2,236.14
U.	SUBMERSIBLE PUMP 325SR50, 6" X 13 STAGES	13	EA	$2,552.42	$33,181.46
V.	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	EA	$3,319.40	$6,638.80
W.	SUBMERSIBLE PUMP 325SR75, 6" X 21 STAGES	1	EA	$4,905.58	$4,905.58
X.	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	EA	$3,494.64	$3,494.64
Y.	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	EA	$4,736.93	$9,473.86
Z.	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	EA	$5,418.10	$16,254.30
AA.	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	EA	$5,426.50	$16,279.50
AB.	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	EA	$6,226.49	$12,452.98
AC.	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	EA	$9,468.84	$18,937.68

AD.	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	EA	$9,468.84	$18,937.68
AE.	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	EA	$5,462.38	$5,462.38
				Total Cost:	**$267,857.23**

[Grand Total Cost: $706,687.30]

After a thorough evaluation, the committee members clarified and confirmed with JMI Edison on Item No: 1.1a the submitted Total Cost indicated $212,746.75. JMI responded dated on March 26, 2015 and advised the members it was a typographical error and the total cost should state $438,830.07. In closing, the committee members agreed to accept the bid offer from JMI Edison and have determined they submitted and complied with all specifications and requirements set forth in the IFB.

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

Karen Cheryl C. Grajo, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED **[ ] UNCONCURRED**

VINCENT ED. GUERRERO, SMA

[✓] APPROVED **[ ] DISAPPROVED**

3/30/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

EXHIBIT C 1/14

GUAM CONSOLIDATED COMMISSION ON UTILITIES

RESOLUTION NO. 22-FY2017

RATIFICATION OF PURCHASES UNDER INDEFINITE QUANTITY CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS AND MOTORS FOR GWA DEEP WELLS

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA advertised an Invitation for Bid (IFB) 2015-03 soliciting cost quotations from experienced and responsive bidders to provide Deep Well Submersible Pumps and Motors and provide adequate stock replenishment when needed; and

WHEREAS, there was one responsive and responsible bidder who met the Submersible Pumps and Motors requirements of IFB 2015-03; and

WHEREAS, IFB 2015-03 offers were evaluated by GWA's review committee; and

WHEREAS, GWA's review committee determined that the offer for Submersible Pumps and Motors made by JMI-Edison was fair and reasonable by the basis of past purchases made [EXHIBIT A]; and

WHEREAS, GWA accepted JMI-Edison's bid proposal of indefinite quantity bid of "All or None Bid for Franklin Electric Motors" and "All or None Bid for Franklin Electric and Grundfos Pump" with an estimated total amount of Seven Hundred Six Thousand Six Hundred Eighty-Seven Dollars and Thirty Cents ($706,687.30) [EXHIBIT B]; and

EXHIBIT C 2/14

WHEREAS, GWA management seeks CCU ratification of purchases related to IFB 2015-03 in the total amount of Seven Hundred Thirty-Six Thousand One Hundred Sixty-Four Dollars and Forty-Seven Cents ($736,164.47) [EXHIBIT C]; and

WHEREAS, GWA management seeks CCU approval to purchase additional pumps and motors for GWA Deep Wells in the total amount of Two Hundred Twenty-Six Thousand Eight Hundred Fifty-Four Dollars and Fifteen Cents ($226,854.15) [EXHIBIT D]; and

WHEREAS, GWA management seeks CCU approval and ratification of IFB 2015-03 for Submersible Pumps and Motors' indefinite quantity bid in total of Nine Hundred Sixty-Three Thousand Eighteen Dollars and Sixty-Two Cents ($963,018.62), the sum of Encumbered Purchase Orders ($736,164.47) and Purchase of Additional Pumps and Motors ($226,854.15); and

WHEREAS, the source of funding for the Submersible Pumps and Motors are Multiple Bond Fund Programs (PW 09-02 Water Wells, Bond 2013 and PW 09-08 Mechanical and Electrical Equipment Replacement Bond 2013) and Internally Funded Capital Improvement Projects.

NOW THEREFORE BE IT RESOLVED, the Consolidated Commission on Utilities does hereby approve and ratify the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by "JMI-Edison" are fair and reasonable.
3. There was no indication of bad faith or fraud in any of the procurements contained therein.
4. All of the procurement herein are in the best interest of the territory of Guam and Guam Waterworks Authority.
5. The CCU ratifies the encumbered purchases under the previously issued purchase orders relative to the Indefinite Quantity Contract with JMI-Edison

EXHIBIT C/3/14

in the total amount of Seven Hundred Thirty-Six Thousand One Hundred Sixty-Four Dollars and Forty-Seven Cents ($736,164.47).

6. The CCU hereby further authorizes GWA management to purchase additional pumps and motors for GWA Deep Wells in the total amount of Two Hundred Twenty-Six Thousand Eight Hundred Fifty-Four Dollars and Fifteen Cents ($226,854.15).
7. The CCU hereby further approves the funding total of Nine Hundred Sixty-Three Thousand Eighteen Dollars and Sixty-Two Cents ($963,018.62) for the initial three-year contract term.
8. GWA management is hereby authorized to seek PUC approval in the event the contract value exceeds One Million Dollars ($1,000.000.00) as required by Docket 00-04.

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

DULY AND REGULARLY ADOPTED, this 21st day of February, 2017.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

J. GEORGE BAMBA
Secretary

EXHIBIT C 4/14

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities, as evidenced by my signature above do hereby certify as follows:

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

AYES: 5

NAYS: 0

ABSTENTIONS: 0

ABSENT: 0

EXHIBIT C 5/14

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

MEMORANDUM

TO: General Manager

VIA: Supply Management Administrator

FROM: Evaluation Committee Members

SUBJECT: Invitation to Bid No. GWA 2015-03
Ref: Submersible Motors, Pumps, and Pump & Motor

Invitation for Bid No: GWA 2015-03 was officially announced and advertised in the Pacific Daily News, Marianas Variety and Guam Waterworks Authority Website on January 29, 2015 and open as scheduled on March 04, 2015 @ 10:00 am. Twelve (12) prospective bidders expressed their interests by acknowledging receipt of the bid package thru GWA's website.

Bidders Register:

1. Z Enterprises, Inc
2. Frontier Supply
3. Hikhjkj
4. JMI Edison
5. Black Const. Corp
6. Benson Guam Ent
7. HDR, Inc
8. Guam Pacific Ent
9. JJ Global
10. Inland Builders
11. Xiong's Family
12. David Meinung

Of the twelve (12), one (1) submitted their bid package, namely:

- JMI Edison

An evaluation committee was formally assembled and met on March 17, 2015 @ 9:30 am in Procurement's office to review/discuss and evaluate the bid.

Committee members consist of:

- Ron Topasna
- Karen Grape
- Peter Salas

EXHIBIT C 6/14

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

The committee members reviewed the bid proposal and have determined JMI Edison being the only bidder, respectfully submitted a fair cost and are as followed:

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
"All or None Bid for Franklin Electric Motors"					
1.1A	SUBMERSIBLE MOTOR 10 H.P.	1	EA	$2,218.17	$2,218.17
B	SUBMERSIBLE MOTOR 20 H.P.	2	EA	$2,797.88	$5,595.76
C	SUBMERSIBLE MOTOR 30 H.P.	1	EA	$3,487.42	$3,487.42
D	SUBMERSIBLE MOTOR 40 H.P.	3	EA	$4,023.70	$12,071.10
E	SUBMERSIBLE MOTOR 50 H.P.	3	EA	$5,332.76	$15,998.28
F	SUBMERSIBLE MOTOR 60 H.P	37	EA	$6,110.36	$226,083.32
G	SUBMERSIBLE MOTOR 75 H.P.	3	EA	$11,171.65	$33,514.95
H	SUBMERSIBLE MOTOR 100 H.P.	4	EA	$12,330.12	$49,320.48
I.	SUBMERSIBLE MOTOR 125 H.P.	2	EA	$16,179.37	$32,358.74
J.	SUBMERSIBLE MOTOR 150 H.P.	3	EA	$19,393.95	$58,181.85
				Total Cost:	**$438,830.07**

EXHIBIT C 7/14

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ITEM NO.	DESCRIPTION	ESTIMATED QTY		UNIT COST	EXTENSION
"All or None Bid for Franklin Electric & Grundfos Pumps"					
2.1 A.	SUBMERSIBLE PUMP 70SR7, 6" X 8 STAGE	1	EA	$1,020.24	$1,020.24
B.	SUBMERSIBLE PUMP 70SR15, 6" X 15 STAGE	1	EA	$1,395.34	$1,395.34
~~C.~~	~~SUBMERSIBLE PUMP 150SR30, 6" X 14 STAGE~~	~~1~~	~~EA~~	~~$1,484.16~~	~~$1,484.16~~
D.	SUBMERSIBLE PUMP 150SR40, 6" X 19 STAGE	1	EA	$1,885.65	$1,885.65
E.	SUBMERSIBLE PUMP 175SR20, 6" X 8 STAGE	1	EA	$1,843.65	$1,843.64
F.	SUBMERSIBLE PUMP 175SR25, 6" X 10 STAGE	2	EA	$2,147.92	$4,295.84
G.	SUBMERSIBLE PUMP 175SR30, 6" X 12 STAGE	1	EA	$2,459.99	$2,459.99
H.	SUBMERSIBLE PUMP 175SR40, 6" X 14 STAGE	10	EA	$2,714.46	$27,144.60
I.	SUBMERSIBLE PUMP 175SR40, 6" X 16 STAGE	3	EA	$2,981.52	$8,944.56
J.	SUBMERSIBLE PUMP 175SR50, 6" X 18 STAGE	1	EA	$3,253.38	$3,253.38
K.	SUBMERSIBLE PUMP 250SR25, 6" X 9 STAGES	1	EA	$1,578.98	$1,578.98
L.	SUBMERSIBLE PUMP 250SR30, 6" X 10 STAGES	3	EA	$1,674.40	$5,023.20
M.	SUBMERSIBLE PUMP 250SR40, 6" X 12 STAGES	3	EA	$1,937.27	$5,811.81
N.	SUBMERSIBLE PUMP 250SR40, 6" X 14 STAGES	4	EA	$2,349.56	$9,398.24

EXHIBIT C 8/14

O.	SUBMERSIBLE PUMP 250SR50, 6" X 15 STAGES	10	EA	$2,327.96	$23,279.60
P.	SUBMERSIBLE PUMP 250SR50, 6" X 18 STAGES	2	EA	$2,942.51	$5,885.02
Q.	SUBMERSIBLE PUMP 250SR60, 6" X 20 STAGES	3	EA	$3,223.97	$9,671.91
R.	SUBMERSIBLE PUMP 325SR25, 6" X 7 STAGES	1	EA	$1,541.17	$1,541.17
S.	SUBMERSIBLE PUMP 325SR40, 6" X 9 STAGES	2	EA	$1,842.45	$3,684.90
T.	SUBMERSIBLE PUMP 325SR40, 6" X 11 STAGES	1	EA	$2,236.14	$2,236.14
U.	SUBMERSIBLE PUMP 325SR50, 6" X 13 STAGES	13	EA	$2,552.42	$33,181.46
V.	SUBMERSIBLE PUMP 325SR60, 6" X 18 STAGES	2	EA	$3,319.40	$6,638.80
W.	SUBMERSIBLE PUMP 325SR75, 6" X 21 STAGES	1	EA	$4,905.58	$4,905.58
X.	SUBMERSIBLE PUMP 400SR50, 8" X 7 STAGES	1	EA	$3,494.64	$3,494.64
Y.	SUBMERSIBLE PUMP 400SR75, 8" X 10 STAGES	2	EA	$4,736.93	$9,473.86
Z.	SUBMERSIBLE PUMP 400SR100, 8" X 13 STAGES	3	EA	$5,418.10	$16,254.30
AA.	SUBMERSIBLE PUMP 475SR100, 8" X 11 STAGES	3	EA	$5,426.50	$16,279.50
AB.	SUBMERSIBLE PUMP 475SR125, 8" X 14 STAGES	2	EA	$6,226.49	$12,452.98
AC.	SUBMERSIBLE PUMP 625S-1500, 8" x 7A STAGES	2	EA	$9,468.84	$18,937.68

EXHIBIT C 9/14

AD.	SUBMERSIBLE PUMP 625S-1500, 8" x 7 STAGES	2	EA	$9,468.84	$18,937.68
AE.	SUBMERSIBLE PUMP 800S-1000, 8" x 4A STAGES	1	EA	$5,462.38	$5,462.38
				Total Cost:	**$267,857.23**

[Grand Total Cost: $706,687.30]

After a thorough evaluation, the committee members clarified and confirmed with JMI Edison on Item No: 1.1a the submitted Total Cost indicated $212,746.75. JMI responded dated on March 26, 2015 and advised the members it was a typographical error and the total cost should state $438,830.07. In closing, the committee members agreed to accept the bid offer from JMI Edison and have determined they submitted and complied with all specifications and requirements set forth in the IFB.

Summary:

This is an "Indefinite Quantity Bid" pursuant to the Guam Procurement Regulations. The quantities reflected are only estimated and not guarantee of amounts to be purchased. Quantities may increase or decrease thru the duration of the contract and continued purchase is subject to the availability of funds. No guarantee or other commitment is made to vendors in terms of purchasing quantity and the amounts set forth in this bid are only estimates of needs for the near term.

Please note: This is an Indefinite Quantity Bid so the grand total cost stated above does not mean it's a guaranteed cost that GWA will be issuing.

Contract Term:

GWA and the lowest responsible bidder may enter into a contract (which may be in the form of a Purchase Order) on terms acceptable to GWA which shall commence upon vendor's acknowledged receipt of a Notice to Proceed from GWA. The initial term of the contract is three (3) years with two (2) one year options to renew, subject to availability of funds and agreement between the parties.

Concurred and accepted by the committee members:

Ron Topasna, Water Plant Superintendent

EXHIBIT C 10/14

Karen Cheryl C. Grajo, Management Analyst III, Operations

Peter Salas, Buyer II, Procurement

Your approval is greatly appreciated.

Antonio Camacho

In consideration of the foregoing, please indicate your approval of this recommendation by your signature below.

[✓] CONCURRED [ ] UNCONCURRED

VINCENT ED. GUERRERO, SMA

[✓] APPROVED [ ] DISAPPROVED

3/30/2015

MARK G. MILLER, GENERAL MANGER, INTERIM

EXHIBIT C 11/14

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6026/27 Fax: (671) 649-3750

MAR 3 1 2015

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

RE: Notice of Award for GWA Bid No. 2015-03
For: Submersible Motors, Pumps, and Pump & Motor

Hafa Adai!

The Guam Waterworks Authority ("GWA") has considered the bid submitted by JIM Edison for the above described reference in response to its Advertisement for Bids dated January 29, 2015.

Therefore, JMI Edison is hereby notified the proposal for the Indefinite Quantity Bid has been accepted by GWA. Please be advised the Bid Bond must remain in full force and effect until all performance periods have ended (e.g., until warranty period has ended as any warranty is a service provided in conjunction with the delivery of goods).

You are hereby advised that any obligations incurred by JMI Edison prior to execution of the contract are at your own risk. GWA shall have no obligation to reimburse costs incurred prior to execution of the contract.

You are required to return an acknowledged copy of this Notice of Award to the Procurement & Supply Administrator.

Sincerely,

3/30/2015
Mark G. Miller
General Manager, Interim

EXHIBIT C 12/14

Ref: IFB 2015-03 Submersible Motors, Pumps, and Pump & Motor

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

Dated this 31st day of March 2015.

By JEFFREY PRESTE
Title Operations Manager

******* END OF NOTICE OF AWARD *******

EXHIBIT C 13/14

GUAM WATERWORKS AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Encumbered Purchase Orders Relative to IFB 2015-13

PO No	PO Amount	PO Date	Funding Source
297992	$42,772.51	04/16/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298208	$59,887.34	06/05/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298218	$165,918.18	06/05/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298345	$21,462.24	07/14/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298695	$32,426.64	11/18/15	PW 09-08 Mechanical and Electrical Equipment Replacement, Bond 2013
298783	$88,111.79	12/16/15	Internally Funded CIP
299504	$160,047.56	05/20/16	PW 09-02 Water Wells, Bond 2013
299589	$141,981.34	06/14/16	PW 09-02 Water Wells, Bond 2013
300204	$23,556.87	11/14/16	Internally Funded CIP
Total Amount	**$736,164.47**		

Copies of all Purchase Orders attached.

EXHIBIT C 14/14

GUAM **WATERWORKS** AUTHORITY
"Better Water, Better Lives."
Gloria B. Nelson Public Service Building| 688 Route 15 | Mangilao, Guam 96913
Tel: (671) 300-6846

Additional Purchases

Submersible Motors	**Qty**	**Unit Cost**	**Amount**
150 hp. Franklin Motor	2	$19,393.95	$38,787.90
125 hp. Franklin Motor	1	$16,179.37	$16,179.37
100 hp. Franklin Motor	1	$12,330.12	$12,330.12
75 hp. Franklin Motor	2	$11,171.65	$22,343.30
60 hp. Franklin Motor	5	$6,110.36	$30,551.80
50 hp. Franklin Motor	6	$5,332.76	$31,996.56
40 hp. Franklin Motor	4	$4,023.70	$16,094.80
Total Submersible Motors	**21**		**$168,283.85**
Submersible Pumps	**Qty**	**Unit Cost**	**Amount**
175 SR-40F66- 1463 (6"x 14 stage)	8	$2,714.46	$21,715.68
250 SR-50F66-1563 (6"x 15 stage)	4	$2,327.96	$9,311.84
250 SR-40F66- 1263 (6"x 11 stage)	1	$1,937.27	$1,937.27
250SR-50F66-1863	1	$2,942.51	$2,942.51
250SR-40F66-1463	1	$2,349.56	$2,349.56
400 SR-100F86-1384 (8"x 13 stages)	1	$5,418.10	$5,418.10
475 SR-100F86- 1186 (8"x 13 stages)	1	$5,426.50	$5,426.50
NFPA-625S-1500 (Stages 7A)	1	$9,468.84	$9,468.84
Total Submersible Motors	**18**		**$58,570.30**
Total Pumps and Motors	**39**		**$226,854.15**

EXHIBIT D

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

JUN 0 1 2018

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-03
Project Name: Submersible Pumps and Motors
Ref: Contract Renewal

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-03 Submersible Pumps, Motors, Cables and Booster Pump bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

FOR: Romeo Oriondo,
Operations Manager.

Date: 08/10/18

Your response on this matter will be greatly appreciated

Sincerely,

FOR

Vince Guerrero, CPM
Supply Management Administrator

EXHIBIT E

GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."
Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913
Tel: (671) 300-6027 Fax: (671) 649-3750

JUN 0 5 2019

JMI Edison
125 North Marine Drive
P.O. Box 6577
Tamuning, Guam 96931
Ph: 646-6400 Fax: 649-4835

Project No: GWA IFB 2015-03
Project Name: Submersible Pumps and Motors
Ref: Contract Renewal FY 2019

Hafa Adai Mr. Oriondo,

We would like to inform you IFB 2015-03 Submersible Pumps, Motors, Cables and Booster Pump bid contract is up for renewal. As stated on the bid under Contract Term: The initial term of the contract is three (3) years with two (2) one-year options to renew, subject to availability of funds and agreement between the parties.

If JMI Edison agrees to renew this contract, please acknowledge by signing below;

Date: 7/23/19

Romeo Oriondo,
Operations Manager.

Sincerely,

for
Vince Guerrero, CPM
Supply Management Administrator

RECEIVED
JUL 28 2017
Public Utilities Commission
GUAM

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN RE: PETITION FOR APPROVAL OF CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS & MOTORS	**GWA DOCKET 17-08** **ORDER** EXHIBIT F

INTRODUCTION

This matter comes before the Guam Public Utilities Commission (the "PUC" or the "Commission") pursuant to the Application to Award an Indefinite Quantity Contract for Submersible Pumps and Motors to JMI-Edison (the "Petition"), filed on July 12, 2017 by the Guam Waterworks Authority ("GWA").

In January of 2015, GWA issued Invitation for Bid Number GWA 2015-03 ("IFB 2015-03") soliciting the purchase of submersible pumps and motors for GWA's drinking wells.[1] In March of 2015, GWA's procurement team evaluated and selected JMI-Edison's indefinite quantity bid.[2] Thereafter, GWA awarded the bid to JMI-Edison and entered into a three-year contract with JMI-Edison, with two (2) yearlong options to renew.

On July 25, 2017, the Administrative Law Judge of the PUC Joephet R. Alcantara (the "ALJ") filed a report regarding the instant Petition, which included his findings and recommendations based on the administrative record before the PUC. The ALJ made the following findings.

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[1] Application to Award an Indefinite Quantity Contract for Submersible Pumps and Motors to JMI-Edison ("Petition"), p. 1 (July 12, 2017).

[2] Petition, p. 1.

DETERMINATIONS

A. Contract Review Protocol

Pursuant to 12 G.C.A. §12105,[3] GWA may not enter into any contractual agreements or obligations which could increase rates and charges without the PUC's express approval. In addition, GWA's Contract Review Protocol requires that "[a]ll professional service procurements in excess of $1,000,000" require "prior PUC approval under 12 G.C.A. §12004, which shall be obtained before the procurement process is begun . . . ."[4] Further, all externally funded loan obligations and other financial obligations, such as lines of credit, bonds, etc., in excess of $1,000,000, and any use of such funds, must be approved by the PUC.[5]

B. GWA's Petition

In its Petition, GWA sought PUC approval of the award of an indefinite quantity contract with JMI-Edison for the purchase of submersible pumps and motors.[6] The contract is based on IFB 2015-03, which sought submersible well pumps and motors, but more specifically, "Grundfos" pumps and "Franklin Electric" motors.[7]

GWA issued IFB 2015-03 back in January, 2015.[8] Thereafter, GWA's procurement team evaluated and selected JMI-Edison's indefinite quantity bid, and later

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[3] Formerly 12 G.C.A. § 12004.

[4] GWA's Contract Review Protocol ("GWA CRP"), Administrative Docket 00-04, p. 1 (Oct. 27, 2005).

[5] *Id.*

[6] Petition, p. 1.

[7] IFB 2015-03, p. 1.

[8] Petition, p. 1.

issued an award to JMI-Edison.[9] GWA then entered into a contract with JMI-Edison, which GWA carefully noted was for an indefinite quantity, meaning that the quantities reflected on the bid were estimates only, and may increase or decrease for the duration of the contract.

GWA sought PUC approval of its 2015 contract with JMI-Edison, in which GWA previously issued purchase orders in the amount of $736,164.47, but requires additional pumps and motors at an additional cost of $226,854.15, for a total cost of $963,018.62.[10] However, GWA submitted that additional purchase orders will be needed, and therefore the contract will exceed $1,000,000.00.[11]

C. **IFB 2015-03**

According to IFB 2015-03, GWA mostly utilizes "Grundfos" well pumps and "Franklin Electric" motors at 110 of its 120 drinking water wells.[12] GWA intends on converting the ten (10) remaining wells to "Grundfos" pumps and "Franklin Electric" motors, since, based on its experience, these brands have lasted the longest given the conditions on Guam.[13]

GWA further submitted that its well maintenance and repair crews are "very familiar" with the "Grundfos" pumps and "Franklin Electric" motors. GWA believes that such familiarity with these products results in improved service and operational efficiency,

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9 Petition, p. 1.

10 Petition, Exhibit A, p. 3.

11 Petition, Exhibit A, p. 3.

12 IFB 2015-03, p. 2.

13 IFB 2015-03, p. 2.

and therefore, results in a savings of both time and money for the agency.[14] GWA further indicated that the U.S. Air Force also utilizes the "Grundfos" well pumps, which GWA submits has worked well with them in the past during moments of critical well failures and shortages of spare parts.[15] For these reasons, GWA is engaged in a standardization program to utilize only "Grundfos" pumps and "Franklin Electric" motors.[16]

D. JMI-Edison Bid, Contract Term, Total Cost, and Funding

Based on its bid, JMI-Edison agreed to provide submersible motors, ranging from $2,218.17, to $6,110.36, to $19,393.95, depending on the strength and horsepower of the motor. JMI-Edison also agreed to provide submersible pumps, ranging from $1,020.24 to $9,468.84, depending on the size of, and number of stages contained in, the pump.

Based on the contract, the initial term is three (3) years, with two (2) yearlong options to renew. GWA has been authorized by the Consolidated Commission on Utilities (the "CCU") to purchase the pumps and motors at a total cost of $963,018.62.[17] However, GWA informed the ALJ that it will require an estimated additional $337,264.30 for the remainder of 2017, and $597,847.18 for 2018. These purchase orders are funded by the 2013 Bond proceeds, and are also internally funded as components of GWA's CIP.

E. CCU Resolution No. 22-FY2017

The Petition is supported by Resolution No. 22-FY2017 issued by the CCU at its February 21, 2017 meeting. In the Resolution, the CCU found that the terms of the

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[14] IFB 2015-03, p. 2.

[15] IFB 2015-03, p. 3.

[16] IFB 2015-03, p. 3.

[17] Petition, Exhibit A, p. 3.

bid submitted by JMI-Edison were fair and reasonable.[18] Accordingly, the CCU ratified the purchases under the previously issued purchase orders in the amount of $736,164.47.[19] The CCU further authorized GWA to purchase additional pumps and motors at an additional cost of $226,854.15, and therefore authorized a total cost of $963,018.62.[20] However, the CCU additionally authorized GWA to seek PUC approval in the event the contract exceeds $1,000,000.00.[21]

As indicated in IFB 2015-03, GWA overwhelmingly utilizes "Grundfos" well pumps with "Franklin Electric" motors.[22] According to GWA, 110 of its 120 drinking water wells utilize "Grundfos" well pumps and "Franklin Electric" motors.[23] GWA has determined, based on its experience, that the "Grundfos" pumps and "Franklin Electric" motors better serve Guam's needs. GWA purchases these pumps and motors on an as needed basis, and to replenish its inventory of spare parts.[24]

Based on the record established in this docket and for the reasons set forth therein, the ALJ recommended that the PUC ratify the underlying procurement and approve the contract between GWA and JMI-Edison for the purchase of submersible pumps and motors, for an estimated cost of $1,300,282.92, which includes GWA's estimated additional $337,264.30 for the remainder of 2017.

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[18] Petition, Exhibit A, p. 2.

[19] Petition, Exhibit A, pp. 2-3.

[20] Petition, Exhibit A, p. 3.

[21] Petition, Exhibit A, p. 3.

[22] IFB 2015-03, p. 2.

[23] IFB 2015-03, p. 2.

[24] Petition, Exhibit A, p. 1.

ORDERING PROVISIONS

Upon careful consideration of the record herein, the July 25, 2017 ALJ Report, and for good cause shown, on motion duly made, seconded and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby ORDERS the following:

1. The PUC hereby RATIFIES the underlying procurement and APPROVES the contract between GWA and JMI-Edison for the purchase of submersible pumps and motors, for an estimated cost of $1,300,282.92 as indicated in its Petition, and which includes GWA's estimated additional $337,264.30 for the remainder of 2017.

2. With respect to the purchase of additional pumps and motors in 2018, GWA shall to return to the PUC with a listing of such additional purchases for 2018. The PUC shall thereafter review the need for such purchases and funding at that time.

3. GWA is ordered to pay the PUC's regulatory fees and expenses, including and without limitation, consulting and counsel fees, and the fees and expenses associated with the instant contract review process. Assessment of the PUC's regulatory fees and expenses is authorized pursuant to 12 G.C.A. §§ 12002(b) and 12024(b), and Rule 40 of the Rules of Practice and Procedure before the PUC.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

SO ORDERED this 27th day of July, 2017.

JEFFREY C. JOHNSON
Chairman

ROWENA E. PEREZ
Commissioner

JOSEPH M. MCDONALD
Commissioner

FILOMENA M. CANTORIA
Commissioner

MICHAEL A. PANGELINAN
Commissioner

PETER MONTINOLA
Commissioner

ANDREW L. NIVEN
Commissioner

P173012.JRA

EXHIBIT G



BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN RE: PETITION FOR APPROVAL OF INCREASED SPENDING UNDER EXISTING CONTRACT WITH JMI-EDISON FOR SUBMERSIBLE PUMPS & MOTORS	)	**GWA DOCKET 19-02**
	)	**ORDER**

INTRODUCTION

This matter comes before the Guam Public Utilities Commission (the "PUC" or the "Commission") pursuant to the October 29, 2018 Petition for Additional Purchases for Submersible Pumps and Motors to JMI-Edison (the "Petition"), filed by the Guam Waterworks Authority ("GWA"), and the November 30, 2017 Order issued by the Commission in GWA Docket 18-02.

On November 27, 2018, the Administrative Law Judge of the PUC (the "ALJ") assigned to this matter filed an ALJ Report that included his findings and recommendations based on the administrative record before the PUC. The ALJ found the following.

DETERMINATIONS

In 2015, GWA entered into a three-year contract with JMI-Edison for the purchase of submersible pumps and motors for GWA's drinking wells. The contract provided a three-year term, with two (2) yearlong options to renew. Later in 2017, the Commission ratified and approved the contract between JMI-Edison for the purchase of submersible pumps and motors in GWA Docket 17-08.

On October 18, 2017, GWA requested increased spending under the contract with JMI-Edison. On November 30, 2017, in GWA Docket 18-02, the PUC authorized GWA "to

purchase submersible pumps and motors under the existing contract with JMI-Edison for FY2018, at a cost not to exceed $612,778.13."[1] With regard to "purchases after FY2018," Ordering Provision No. 2 of that Order required GWA "to submit . . . documentation of approval of additional purchases under the contract by the Consolidated Commission on Utilities, which GWA estimates at $213,403.57 per quarter."[2]

In its Petition, GWA maintained that based on its operational needs for Fiscal Year 2019 ("FY2019"), it has determined that it will need to purchase "additional pumps and motors to maintain proper inventory levels of critical spares in accordance with established operations and maintenance practices, which averages out to be One Hundred Eighty-Four Thousand Two Hundred Sixteen Dollars and Sixty-Four Cents ($184,216.64) per quarter."

In particular, GWA intended on purchasing fifty-three (53) submersible motors of various sizes, at a cost of $415,860.18; and ninety-six (96) submersible pumps of various types or stages, at a cost of $321,006.37. Therefore, the total cost of these purchases amounts to $736,866.55.[3]

In GWA Resolution No. 48-FY2018, the Consolidated Commission on Utilities (the "CCU") authorized GWA to purchase the additional pumps and motors under the JMI-Edison contract and at a cost of $736,866.55. Further, in support of its request, GWA has provided the PUC with a matrix of its intended purchases of deep well submersible pumps and

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1 Order, GWA Docket 18-02, p.4 (Nov. 30, 2017).

2 Order, GWA Docket 18-02, p.4 (Nov. 30, 2017).

3 GWA Resolution No. 48-FY2018, pp. 2-3 (Aug. 28, 2018).

motors for FY2019. GWA has indicated that these purchases for FY2019 will be funded by GWA's revenues.[4]

Under the JMI-Edison contract, the submersible motors range from $2,218.17 to $19,393.95, depending on the strength and horsepower of the motor. The submersible pumps range from $1,020.24 to $9,468.84, depending on the size of, and number of stages contained in, the pump. In FY2018, GWA was authorized to purchase fifty (50) motors and around seventy (70) pumps, for a total cost of $612,778.13.

As noted in the administrative record in GWA Docket 17-08, GWA purchases submersible pumps and motors on an as-needed basis, and periodically replenishes its inventory of spare parts. As stated before, it is clear that these pumps and motors are necessary to operate GWA's one hundred and four (104) deep wells.

Based on the documentation provided by GWA in this docket, the ALJ recommended that the PUC authorize GWA's purchase of submersible pumps and motors for FY2019, at a total estimated cost of $736,866.55. If GWA exercises its final option to renew the JMI-Edison contract, GWA should submit to the PUC documentation supporting purchases for FY2020.

The Commission hereby adopts the findings made in the November 27, 2018 ALJ Report, and therefore, issues the following:

ORDERING PROVISIONS

Upon careful consideration of the record herein, and for good cause shown, on motion duly made, seconded and carried by the affirmative vote of the undersigned Commissioners, the Commission hereby ORDERS the following:

[4] GWA Resolution No. 48-FY2018, p. 3 (Aug. 28, 2018).

1. That the instant Petition is hereby APPROVED and GWA is AUTHORIZED to purchase submersible pumps and motors for FY2019 from JMI-Edison, at a cost of $736,866.55.

2. With regard to purchases after FY2019, GWA shall submit to the PUC documentation supporting purchases of submersible pumps and motors, such as: a CCU Resolution authorizing any additional purchases for FY2020; purchase orders; and a listing of its inventory.

3. GWA is ordered to pay the PUC's regulatory fees and expenses, including and without limitation, consulting and counsel fees, and the fees and expenses associated with this matter. Assessment of the PUC's regulatory fees and expenses is authorized pursuant to 12 G.C.A. §§ 12103(b) and 12125(b), and Rule 40 of the Rules of Practice and Procedure before the PUC.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

SO ORDERED this 29th day of November, 2018.

JEFFREY C. JOHNSON
Chairman

ROWENA E. PEREZ
Commissioner

JOSEPH M. MCDONALD
Commissioner

FILOMENA M. CANTORIA
Commissioner

MICHAEL A. PANGELINAN
Commissioner

PETER MONTINOLA
Commissioner

P183033.JRA

EXHIBIT H

IFB 2015-03 2020 MOTOR PURCHASE

Line Item	Unit Cost	Submersible Motor	1st QTR Motor Qty	1st QTR Motor Cost	2nd QTR Motor Qty	2nd QTR Motor Cost	3rd QTR Motor Qty	3rd QTR Motor Cost	4rth QTR Motor Qty	4rth QTR Motor Cost	2020 Motor Spare INV	2020 Motor Cost
1.1A	$2,218.17	10HP		$0.00		$0.00		$0.00		$0.00	0	$0.00
1.1B	$2,797.88	20HP		$0.00		$0.00		$0.00		$0.00	0	$0.00
1.1C	$3,487.42	30 HP	1	$3,487.42		$0.00	1	$3,487.42		$0.00	2	$6,974.84
1.1D	$4,023.70	40 HP	1	$4,023.70		$0.00	1	$4,023.70	1	$4,023.70	3	$12,071.10
1.1E	$5,342.76	50 HP (critical)	12	$63,993.12	6	$31,996.56	6	$31,996.56	6	$31,996.56	30	$159,982.80
1.1F	$6,110.36	60 HP	4	$24,441.44	3	$18,331.08	2	$12,220.72	2	$12,220.72	11	$67,213.96
1.1G	$3,171.65	75 HP	1	$3,171.65	1	$3,171.65	1	$3,171.65	1	$3,171.65	4	$12,686.60
1.1H	$12,330.12	100 HP (critical)	1	$12,330.12	1	$12,330.12	1	$12,330.12	1	$12,330.12	4	$49,320.48
1.1I	$16,179.37	125 HP (critical)	1	$16,179.37	1	$16,179.37	1	$16,179.37	0	$0.00	3	$48,538.11
1.1J	$19,393.95	150 HP (critical)	1	$19,393.95	0	$0.00	1	$19,393.95	1	$19,393.95	3	$58,181.85
		TOTAL	22	$155,020.77	12	$90,008.78	14	$110,803.49	12	$91,136.70	60	$444,969.74

IFB 2015-03 2020 PUMP PURCHASE

Line Item	Unit Cost	Submersible Pumps	1st QTR Pump Qty	1st QTR Pump Cost	2nd QTR Pump Qty	2nd QTR Pump Cost	3rd QTR Pump Qty	3rd QTR Pump Cost	4rth QTR Pump Qty	4rth QTR Pump Cost	2020 Pump Spare INV	2020 Pump Cost
2.1P	$2,942.51	250SR-50F66-1863	1	$2,942.51	1	$2,942.51	1	$2,942.51	1	$2,942.51	4	$11,770.04
2.1M	$1,937.27	250SR-40F66-1263	1	$1,937.27	1	$1,937.27	1	$1,937.27	1	$1,937.27	4	$7,749.08
2.1L	$1,674.40	250SR-30F66-1063	1	$1,674.40	1	$1,674.40	1	$1,674.40	1	$1,674.40	4	$6,697.60
2.1Y	$4,736.93	400SR-75F86-1084	1	$4,736.93	1	$4,736.93	1	$4,736.93	1	$4,736.93	4	$18,947.72
2.1Z	$5,418.10	400SR-100F86-1384 (critic	1	$5,418.10	1	$5,418.10	1	$5,418.10	1	$5,418.10	4	$21,672.40
2.1B	$1,395.34	70SR-15F66-1763	0	$0.00	1	$1,395.34	0	$0.00	1	$1,395.34	2	$2,790.68
2.1D	$1,885.65	150SR-40F66-1963	0	$0.00	0	$0.00	1	$1,885.65	1	$1,885.65	2	$3,771.30
2.1G	$2,459.99	175SR-25F66-1063	1	$2,459.99	1	$2,459.99	1	$2,459.99	0	$0.00	3	$7,379.97
2.1K	$1,578.98	250SR-25F66-0963	1	$1,578.98	0	$0.00	1	$1,578.98	0	$0.00	2	$3,157.96
2.1Q	$3,223.97	250SR-60F66-2063	1	$3,223.97	0	$0.00	1	$3,223.97	0	$0.00	2	$6,447.94
2.1T	$2,236.14	325SR-40F66-1164	1	$2,236.14	0	$0.00	1	$2,236.14	0	$0.00	2	$4,472.28
2.1AB	$6,226.49	475SR-125F86-1486 (critic	1	$6,226.49	0	$0.00	1	$6,226.49	0	$0.00	2	$12,452.98
2.1AD	$9,468.84	NFPA-625S-1500-7A (critical	1	$9,468.84	0	$0.00	1	$9,468.84	0	$0.00	2	$18,937.68
2.1C	$1,484.16	150SR-30F66-1463	1	$1,484.16	0	$0.00	1	$1,484.16	0	$0.00	2	$2,968.32
2.1E	$1,843.64	175SR-20F66-0863	0	$0.00	1	$1,843.64	0	$0.00	1	$1,843.64	2	$3,687.28
2.1J	$3,253.38	175SR-50F66-1863	0	$0.00	1	$3,253.38	0	$0.00	1	$3,253.38	2	$6,506.76
2.1S	$1,842.45	325SR-40F66-0964	0	$0.00	1	$1,842.45	0	$0.00	1	$1,842.45	2	$3,684.90
2.1W	$4,905.58	325SR-75F66-2184	1	$4,905.58	0	$0.00	1	$4,905.58	0	$0.00	2	$9,811.16
2.1X	$3,494.64	400SR-50F86-0764	0	$0.00	1	$3,494.64	0	$0.00	1	$3,494.64	2	$6,989.28
2.1AE	$5,462.38	NFPA-800S-1000-4A (critica	0	$0.00	1	$5,462.38	0	$0.00	1	$5,462.38	2	$10,924.76
2.1H	$2,744.46	175SR-40F66-1463	4	$10,857.84	1	$2,744.46	0	$0.00	1	$2,744.46	6	$16,286.76
2.1O	$2,327.96	250SR-50F66-1563	2	$4,655.92	1	$2,327.96	1	$2,327.96	1	$2,327.96	5	$11,639.80
2.1N	$2,349.56	250SR-40F66-1463	1	$2,349.56	1	$2,349.56	1	$2,349.56	2	$4,699.12	5	$11,747.80
2.1U	$2,552.42	325SR-50F66-1364	0	$0.00	1	$2,552.42	1	$2,552.42	1	$2,552.42	3	$7,657.26
2.1AA	$5,426.50	475SR-100F86-1184 (critic	1	$5,426.50	0	$0.00	1	$5,426.50	0	$0.00	2	$10,853.00
2.1AC	$9,468.84	NFPA-625S-1500-7A (critica	2	$18,937.68	0	$0.00	1	$9,468.84	0	$0.00	3	$28,406.52
2.1V	$3,319.40	325SR-60F66-1862		$0.00	1	$3,319.40	0	$0.00	1	$3,319.40	2	$6,638.80
2.1R	$1,541.17	325SR-25F66-0763		$0.00	1	$1,541.17		$0.00	1	$1,541.17	2	$3,082.34
		TOTAL	23	$90,520.86	18	$51,266.00	19	$72,304.29	19	$53,041.22	79	$267,132.37

2020 TOTAL	1st QTR Qty	1st QTR Cost	2nd QTR Qty	2nd QTR Cost	3rd QTR Qty	3rd QTR Cost	4rth QTR Qty	4rth QTR Cost	2020 TOTAL Qty	2020 TOTAL COST
2020 Motor Spares	22	$155,020.77	12	$90,008.78	14	$110,803.49	12	$91,136.70	60	$446,969.74
2020 Pump Spares	23	$90,520.86	18	$51,266.00	19	$72,304.29	19	$53,041.22	79	$267,132.37
	45	$245,541.63	30	$141,274.78	33	$183,107.78	31	$144,177.92	139	$714,102.11

Quarterly Average $178,525.53

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

RESOLUTION NO. 08–FY2020

RELATIVE TO APPROVAL OF CONTRACT FOR CONSTRUCTION OF THE OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT, PROJECT NO. S18-002-OEA

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the U.S. Department of Defense, Office of Economic Adjustment awarded to GWA a General Assistance Grant (OCON676-16-01) for funding for the Northern District Wastewater Treatment Plant (NDWWTP) Interceptor Sewer Refurbishment Project of which surplus funding in the amount of $5,399,951.20 is available for use on other components of the NDWWWTP upgrade and will be reallocated by OEA to Grant No. (OCON676-16-02) via an OEA Grant Transfer, and

WHEREAS, the U.S. Department of Defense, Office of Economic Adjustment awarded to GWA a General Assistance Grant (OCON676-18-05) for the NDWWTP Upgrade Project (construction) of which surplus funding in the amount of $2,194,590.00 through deductive Change Order No. 1 to the Contract for Construction of Upgrade of the NDWWTP (Contract No. 820 OS) is available for use on other components of the NDWWTP Upgrade and will be reallocated by OEA to Grant No. (OCON676-16-02) via an OEA Grant Transfer; and

WHEREAS, OEA Grant No. (OCON676-16-02) was authorized for use on the NDWWTP Upgrade and Outfall Diffuser Installation projects of which all funding is currently encumbered, but will

have available funding in the amount of $7,594,541.20 following the two Grant Transfers, that will be available for the Construction of the Outfall Effluent Diffuser Installation Project for Upgrade of the NDWWTP; and

WHEREAS, the General Assistance Grants are to be used for water and wastewater improvements in support of the relocation of U.S. Marines and their dependents to Guam; and

WHEREAS, the report "Final Guam Water and Wastewater Assessment Report in Support of the Economic Adjustment Committee Implementation Plan," (NAVFAC, Department of the Navy, February 2015) has recommended the design and construction of NDWWTP treatment upgrades to comply with the current National Pollutant Discharge Elimination System ("NPDES") permit and mitigate impacts to wastewater utilities, nearshore waters, and marine biological resources, which includes the installation of a diffuser pipe on the ocean outfall; and

WHEREAS, the installation of a diffuser on the ocean outfall is necessary to comply with the NPDES permit and to ensure long term compliance with the Guam Water Quality Standards; and

WHEREAS, in January 2017, GWA procured the services of a consulting engineering team (Brown and Caldwell) to provide Project Management / Construction Management (PM/CM) Services for the Office of Economic Adjustment "Guam Water and Wastewater Infrastructure Improvements" via Resolution 15-FY2017 of which design of the Outfall Diffuser is a component; and

WHEREAS, a diffuser pipe was purchased under the contract Construction Contract for Hagåtña and Northern District Sewage Treatment Plant Outfall, Project No. S87-002-LOC, but was not installed and has been stored at the NDWWTP for future use; and

WHEREAS, the Consulting Engineer inspected the diffuser piping in 2017 and determined that the piping purchased under Project No. S87-002-LOC was suitable for use for installation under this Contract; and

WHEREAS, GWA advertised an Invitation for Bid IFB-08-ENG-2018 – Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant to Secondary Treatment on January 16, 2018 soliciting proposals from experienced and responsive bidders for construct of the project; and

WHEREAS, Bids were due on February 23, 2018, however, only one bid was received from Healy Tibbitts Builders, Inc.; and

WHEREAS, the Healy Tibbitts Builders, Inc. bid far exceeded the funds available and was rejected on March 8, 2018 pursuant to 2 GAR §3115(d)(2)(iv) (See Exhibit A – Rejection Letter 1); and

WHEREAS, the Consulting Engineer reviewed the diffuser design, updated the Contract Documents and added bid alternates in an attempt to reduce the project cost to meet the available budget; and

WHEREAS, GWA advertised a second Invitation for Bid IFB-08-ENG-2018 – Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant to Secondary Treatment (Re-bid) on July 27, 2018 soliciting proposals from experienced and responsive bidders for construction of the project; and

WHEREAS, Bids were due again on September 13, 2018 with only one bid received from Healy Tibbitts Builders, Inc. in the amount of $9,396,000.00; and

WHEREAS, the Healy Tibbitts Builders, Inc. bid still far exceeded the funds available and was rejected on June 17, 2019 pursuant to 2 GAR §3115(d)(2)(iv) (See Exhibit B – Rejection Letter 2); and

WHEREAS, an assessment and determination was made in accordance with 5 GCA § 5214 and 2 GAR § 3112 that only one contractor is available to perform the specialized work necessary to complete the Outfall Effluent Diffuser Installation Project in a timely and

professional manner and it is therefore determined to proceed with a Sole Source Procurement (See EXHIBIT C – Sole Source Determination); and

WHEREAS, GWA Management proceeded to work with Healy Tibbetts on Value Engineering/cost saving measures to arrive at an acceptable scope and budget for the project and finds the Healy Tibbitts Builders, Inc. final negotiated price of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00) to be acceptable (See EXHIBIT D – Price Proposal); and

WHEREAS, GWA Management is seeking approval to enter into contract with Healy Tibbitts Builders, Inc. for Bid IFB-08-ENG-2018 in the amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); and

WHEREAS, GWA further seeks CCU approval of the total negotiated amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); plus a seven point three percent (7.3%) contingency of Five Hundred Sixteen Thousand Nine Hundred Forty-One Dollars and Twenty Cents ($516,941.20), to bring the total authorized funding amount to Seven Million Five Hundred Ninety-Four Thousand Five Hundred Forty-One Dollars and Twenty Cents ($7,594,541.20); and

WHEREAS, the funding source for the construction project will be from the General Assistance Grant (OCON676-16-02); and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

1. The recitals set forth above hereby constitute the findings of the CCU.
2. The CCU finds that the terms of the bid proposal submitted by Healy Tibbitts Builders, Inc. are fair and reasonable.
3. The CCU hereby authorizes the management of GWA to accept the bid from Healy Tibbitts Builders, Inc. attached hereto as EXHIBIT D, and which is also incorporated into this Resolution in its entirety.

4. The CCU hereby authorizes the management of GWA to execute an Agreement with Healy Tibbitts Builders, Inc in the amount of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00).
5. The CCU hereby authorizes the funding source for this project to be as described above. CCU approval is contingent on OEA approval of proposed transfer of funds.
6. The CCU hereby authorizes the funding total of Seven Million Seventy-Seven Thousand Six Hundred Dollars ($7,077,600.00); plus a seven point three percent (7.3%) contingency of Five Hundred Sixteen Thousand Nine Hundred Forty-One Dollars and Twenty Cents ($516,941.20), to bring the total authorized funding amount to Seven Million Five Hundred Ninety-Four Thousand Five Hundred Forty-One Dollars and Twenty Cents ($7,594,541.20).

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

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SECRETARY'S CERTIFICATE

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

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

AYES: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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Exhibit A

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6036

March 8, 2018

Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

Attention: Mr. Richard Heltzel
President

Project: IFB-01-ENG-2018
Outfall Effluent Diffuser Installation Project for Upgrade of the northern District Wastewater Treatment Plant (NDWWTP) to Secondary Treatment
GWA Project No. S18-002-OEA

Subject: Notice of Bid Rejection

Hafa Adai Mr. Heltzel:

Thank you for submitting your bid of February 23, 2018. The Guam Waterworks Authority (GWA) regrets to inform you that we must reject your bid proposal pursuant to 2 GAR §3115(d)(2)(iv) because the total bid amount exceeded the funds available and it would not be appropriate to adjust the bid to come within available funds. GWA further finds that this rejection is in the best interest of the territory. Therefore, we are returning herewith your bid security (Bid Bond).

Please keep in mind that GWA intends to re-bid this project in the near future with a revised, possibly segmented and scaled down scope of work. The agency appreciates your interest and encourages your company to continue to participate in GWA procurement processes.

Should you have any questions, please do not hesitate to call Gloria Bensan at 300-6042 or email at **gpbensan@guamwaterworks.org**.

Sincerely,

MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure

MCB:gb

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:
Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

SURETY *(Name, and Address of Principal Place of Business)*:
Federal Insurance Company
202B Hall's Mill Road
Whitehouse Station, NJ 08889

OWNER *(Name and Address)*:
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

BID

Bid Due Date: February 23, 2018
Description:

OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT (NDWWTP) TO SECONDARY TREATMENT

GWA Project No. S18-002-OEA
OEA Grant OCO N676-16-02

BOND

Bond Number: N/A
Date: January 31, 2018
Penal sum ***Fifteen Percent (15%) of Bid Amount*** $----------
(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER	SURETY
Healy Tibbitts Builders, Inc. (Seal)	Federal Insurance Company (Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: Richard A. Heltzel	By: Pamela A. Cruz
Signature	Signature (Attach Power of Attorney)
Richard A. Heltzel	Pamela A. Cruz
Print Name	Print Name
President	Attorney-In-Fact
Title	Title
Attest:	Attest:

Countersigned by: Takagi & Associates, Inc. Resident General Agent

Signature	Signature
Guam Area Manager	Customer Service Representative
Title	Title

Note: Addresses are to be used for giving any required notice.
Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

   3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or

   3.2 All Bids are rejected by Owner, or

   3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Chubb Surety

POWER OF ATTORNEY

Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company

Attn: Surety Department
15 Mountain View Road
Warren, NJ 07059

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **Joseph C. Barcinas, Pamela A. Cruz, Hidenobu Takagi and Jo Takagi of Tumon, Guam**----------

each as their true and lawful Attorney- In- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 1st day of **October, 2014.**

Dawn M. Chloros, Assistant Secretary

David B. Norris, Jr., Vice President

STATE OF NEW JERSEY
ss.
County of Somerset

On this 1st day of **October, 2014** before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies, and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence

Notarial Seal

KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316685
Commission Expires July 16, 2019

Notary Public

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(i) the foregoing extract of the By- Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island, and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 31st, January 2018

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com

Form 15-10- 0225B- U GEN CONSENT (rev 02-14)

GOVERNMENT OF GUAM
DEPARTMENT OF REVENUE AND TAXATION
OFFICE OF THE BANKING AND INSURANCE COMMISSIONER

CERTIFICATE OF AUTHORITY

RENEWAL 135

Know All Men By These Presents That:

Name FEDERAL INSURANCE COMPANY

Address 202B HALL'S MILL ROAD
WHITEHOUSE STATION NJ 08889

Classes of Insurance Authorized

ACCIDENT & HEALTH
FIDELITY & SURETY
FIRE
MARINE
MISCELLANEOUS
MOTOR VEHICLE
PROP, DAMAGE & LIABILITY
WORKMENS COMP

Having complied with the Insurance Law of Guam, is hereby authorized to transact as an insurer, the above named Classes of Insurance in Guam from the 01 ***day of*** July , ***20*** 17 , ***to the*** 01 ***day of*** July , ***20*** 18 , ***unless authority is revoked for failure to comply with the law.***

General Agent(s):

TAKAGI & ASSOCIATES INC
CASSIDY'S ASSOCIATED INSURERS INC

In Witness Whereof, I have hereunto subscribed my name officially and have hereon impressed my Seal of Office at the City of Hagatña, Guam on this 05 ***day of*** June ***A.D. 20*** 17 .

Artemio B Ilagan

ARTEMIO B. ILAGAN
Banking and Insurance Commissioner

Doc. No. 35GL-19-1284.*

Exhibit B

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O Box 3010, Hagatna, Guam 96932
Tel No. (671) 300-6035

June 17, 2019

Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

Attention: Mr. Richard Heltzel
President

Project: IFB-08-ENG-2018
Outfall Effluent Diffuser Installation Project for Upgrade of the Northern district Wastewater Treatment Plant (NDWWTP) to Secondary Treatment (Re-Bid)
GWA Project No. S18-002-OEA

Subject: Notice of Bid Rejection

Hafa Adai Mr. Heltzel:

Thank you for submitting your bid of September 13, 2018. The Guam Waterworks Authority (GWA) regrets to inform you that we must reject all bid proposals pursuant to 2 GAR §3115(d)(2)(iv) because the total bid amount exceeded the funds available and it would not be appropriate to adjust the bid to come within available funds. GWA further finds that this rejection is in the best interest of the territory. Therefore, we are returning herewith your original bid security in the form of Bid Bond.

The agency appreciates your interest and encourages your company to continue to participate in GWA procurement processes.

Should you have any questions, please do not hesitate to call Gloria Bensan at 300-6042 or email at gpbensan@guamwaterworks.org.

Sincerely,

MIGUEL C. BORDALLO, P.E.
General Manager

Enclosure

MCB:gb

BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:
Healy Tibbitts Builders, Inc.
414 West Soledad, #501-B
Hagatna, Guam 96910

SURETY *(Name, and Address of Principal Place of Business)*:
Federal Insurance Company
2028 Hall's Mill Road
Whitehouse Station, NJ 08889

OWNER *(Name and Address)*:
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

BID
Bid Due Date: 9/13/18
Description:

OUTFALL EFFLUENT DIFFUSER INSTALLATION PROJECT FOR UPGRADE OF THE NORTHERN DISTRICT WASTEWATER TREATMENT PLANT (NDWWTP) TO SECONDARY TREATMENT

GWA Project No. S18-002-OEA
OEA Grant OCO N676-16-02

BOND
Bond Number: N/A
Date: August 28, 2018
Penal sum ***Fifteen Percent (15%) of Bid Amount*** $ ----------
(Words) (Figures)

Surety and Bidder, Intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER	**SURETY**
Healy Tibbitts Builders, Inc. (Seal)	**Federal Insurance Company** (Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: Richard A. Heltzel	By:
Signature	Signature (Attach Power of Attorney)
Richard A. Heltzel	Pamela A. Cruz
Print Name	Print Name
President	Attorney-In-Fact
Title	Title
Attest:	Attest:

Countersigned by:
Tibbitts & Associates, Inc.
Resident General Agent

Signature	Signature
District Manager	CSR
Title	Title

Note: Addresses are to be used for giving any required notice.
Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.

3. This obligation shall be null and void if:

   3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or

   3.2 All Bids are rejected by Owner, or

   3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Chubb Surety

POWER OF ATTORNEY

Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company

Attn: Surety Department
15 Mountain View Road
Warren, NJ 07059

Know All by These Presents, That **FEDERAL INSURANCE COMPANY,** an Indiana corporation, **VIGILANT INSURANCE COMPANY,** a New York corporation, and **PACIFIC INDEMNITY COMPANY,** a Wisconsin corporation, do each hereby constitute and appoint **Joseph C. Barcinas, Pamela A. Cruz, Hidenobu Takagi and Jo Takagi of Tumon, Guam----------**

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY,** and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this **1st** day of **October, 2014.**

Dawn M. Chloros, Assistant Secretary

David B. Norris, Jr., Vice President

STATE OF NEW JERSEY
ss.
County of Somerset

On this **1st** day of **October, 2014** before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal

KATHERINE J. ADELAAR
NOTARY PUBLIC OF NEW JERSEY
No. 2316885
Commission Expires July 16, 2019

Notary Public

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(i) the foregoing extract of the By- Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in American Samoa, Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 28th, August 2018

Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903- 3493 Fax (908) 903- 3656 e-mail: surety@chubb.com

Form 15-10- 02258- U GEN CONSENT (rev. 02-14)

GOVERNMENT OF GUAM
DEPARTMENT OF REVENUE AND TAXATION
OFFICE OF THE BANKING AND INSURANCE COMMISSIONER

CERTIFICATE OF AUTHORITY

RENEWAL 135

Know All Men By These Presents That:

Name FEDERAL INSURANCE COMPANY

Address 202 N. ILLINOIS STREET
INDIANAPOLIS IN 46282

Classes of Insurance Authorized

ACCIDENT & HEALTH	MISCELLANEOUS
FIDELITY & SURETY	MOTOR VEHICLE
FIRE	PROP. DAMAGE & LIABILITY
LIFE	WORKMENS COMP

Having complied with the Insurance Law of Guam, is hereby authorized to transact as an insurer, the above named Classes of Insurance in Guam from the 01 *day of* July *,* 20 18 *, to the* 01 *day of* July *,* 20 19 *, unless authority is revoked for failure to comply with the law.*

General Agent(s):

TAKAGI & ASSOCIATES INC
CASSIDY'S ASSOCIATED INSURERS INC

In Witness Whereof, I have hereunto subscribed my name officially and have hereon impressed my Seal of Office at the City of Hagatña, Guam on this 29 *day of* June *A.D. 20* 18.

JOHN P. CAMACHO
Acting Banking and Insurance Commissioner

Exhibit C

GUAM WATERWORKS AUTHORITY
"Better Water. Better Lives."
Gloria B. Nelson Public Service Building | 688 Route 15, Mangilao, Guam 96913
P.O. Box 3010, Hagatna, Guam 96932
Tel. No. (671) 300-6846/48 Fax No. (671) 648-3290

Sole Source Determination

IFB-08-ENG-2018 Outfall Effluent Diffuser Installation Project for Upgrade of the Northern District Wastewater Treatment Plant

Submitted by: Miguel C. Bordallo P.E., General Manager

This memo shall provide the independent assessment and determination to meet the requirements set forth in 5 GCA § 5214 and 2 GAR § 3112 that only one contractor is available to perform the specialized work necessary to complete the above-mentioned project in a timely and professional manner.

The procurement for this project was first let on February 23rd, 2018 and there was only one bidder at that time. That bid was over 4 times the engineer's estimate. The project scope, methods and approved materials were modified by the engineering team in hopes of lowering the project cost and broaden the bidder field. The project was let for a second time on September 13th, 2018. Although several more potential bidders picked up procurement packets and expressed interest, only one bidder submitted a packet. It was the same bidder on both procurements, Healy-Tibbets Builders, Inc.

This project has very critical timing aspects to it - both environmental and regulatory. As a result, GWA cannot afford to put this project out to bid a third time. There are no other bidders suitable or acceptable to meet the needs of the Authority. GWA will negotiate in good faith with the sole bidder to ensure the project is built at the best possible price and in the best interest of the ratepayers.

A record of this procurement will be memorialized and provided to the Speaker of the Guam Legislature.

Miguel C. Bordallo P.E.
General Manager

11·18·19
Date

Exhibit D

HEALY TIBBITTS BUILDERS, INC.
General Contractors – Hawaii License No. AC-13659
99-890 Iwaena Street • Suite A • Aiea, Hawaii 96701
Telephone (808) 487-3664 • Facsimile (808) 487-3660

April 30, 2019

SENT VIA EMAIL: jjohnson2@brwncald.com

BROWN AND CALDWELL
414 West Soledad Ave., Suite 602
Hagatna, Guam 96910

Attention: Jerry Johnson, Managing Engineer – Construction Lead

Reference: **Guam Waterworks Authority (GWA) Project No. S18-002-OEA**
Outfall Effluent Diffuser Installation Project

Subject: **Updated Bid Form and Assumptions**

Dear Jerry,

Healy Tibbitts Builders, Inc. (HTBI) proposes to furnish labor, material, and equipment necessary complete the installation of the outfall effluent diffuser for the GWA Northern District Wastewater Treatment Plant. The updated total price is Seven Million, Seventy-Seven Thousand, Six Hundred Dollars.

$7,077,600.00

SCOPE OF WORK

The scope of work is in compliance with the original contract bid documents with the following changes:

1. End Clamp
   a. HTBI will reuse the existing end clamp, eliminating the need for removal and fabrication of a new clamp.
   b. HTBI will clean and prepare the existing end clamp for connection to the HDPE miter section.
   c. HTBI will install three anodes on the existing end clamp.

2. Permanent Materials
   a. HTBI will use the existing 4 each by 100-FT HDPE diffuser pipe sections.
   b. HTBI will furnish and install Articulated Concrete Block (ACB) Mattresses as diffuser section ballast. These ACB mats will be constructed using 3-braid poly line in lieu of "Blue Steel" rope.
   c. HTBI will use the existing backer rings for the HDPE diffuser pipe sections but will furnish and install new Hot-Dipped-Galvanized (HDG) backer rings for the HDPE miter sections and diffuser connections.
   d. HTBI will furnish and install two anodes per each pipeline flange backer ring.
   e. HTBI will furnish and install 304 Stainless Steel Hardware for backer ring connections in lieu of AL6XN

3. Standby
   a. The standby allowance was adjusted from 15 days to 5 days.
   b. The 5 days were broken down between Operational Standby, Weekday Standby, and Weekend Standby.

PRICING.

1. Mobilization/Demobilization		
a. Marine services and equipment, including barges, tugs, vessels, cranes – all inclusive, lump sum price		$3,020,000.00
b. Commercial diving equipment and associated insurance		$500,000.00
c. Bonds, other insurance, travel, permit fees, Business Privilege Tax at 5% (effective 10/1/19), lump sum price		$410,000.00
2. Materials and Transport – Articulated Concrete Block Mats, Owner-Supplied HDPE Pipe, Supplemental Pipe Fittings, Backer Rings, and Anodes		
a. Articulated Concrete Block Mats, lump sum price		$180,000.00
b. Anodes for flange backer rings, diffuser port backer rings, and end clamp, lump sum price		$5,000.00
c. Hardware for existing backer rings, lump sum price		$35,000.00
d. Additional diffuser port backer rings and hardware, lump sum price		$20,000.00
e. Transportation of existing HDPE pipe to project site, lump sum price		$65,000.00
f. Supplemental HDPE elbows, pipe fittings, galvanized steel backer rings, anodes, and accessories, lump sum price		$55,000.00
3. Installation, Inclusive of Diving Labor		
a. Installation for HDPE pipe; cleaning and installation of flange backer rings and anodes; cleaning and installation of diffuser port backer rings, valves, and anodes; and installation of articulated concrete block mats, lump sum price		$2,000,000.00
b. Installation for supplemental HDPE elbows, pipe fittings, backer rings and anodes – all inclusive, lump sum price		$370,000.00
c. Cleaning of existing flange end clamp and installation of anodes, lump sum price		$50,000.00
4. Effluent Flow Bypass Materials and Execution		
a. Materials: Knife gate valves and couplings, lump sum price		$95,000.00
b. Installation and operation of knife gate valves and couplings, lump sum price		$50,000.00
5. **Operational Standby Time Allowance** – (If an unplanned shutdown is required, this allowance covers securing the watercraft and preparing the jobsite for shutdown, and then returning to the	2 days x $48,000/day	$96,000.00

jobsite to recover and reinitiate work). This is an Owner controlled allowance.		
6. **Weekday Standby Time Allowance** – (Following an unplanned Operational Shutdown, this allowance covers the Contractor's expenses during the regular work week). This is an Owner controlled allowance.	1 day x $46,600/day	$46,600.00
7. **Weekend Standby Time Allowance** – (Following an unplanned Operational Shutdown, this allowance covers the Contractor's expenses that occur during a weekend (non - regular working hours)). This is an Owner controlled allowance.	2 days x $40,000/day	$80,000.00
Total Price including Lump Sum and Standby Allowance (Extended Unit Price)		**$7,077,600**

SEVEN MILLION, SEVENTY-SEVEN THOUSAND, SIX HUNDRED DOLLARS

** Any additional value engineering or cost savings items is encouraged. Those identified beyond the total price noted above either by Healy Tibbitts or proposed by the Owner and found acceptable by Healy Tibbitts will be shared by both parties equally.

Pricing Notes:

a. Pricing includes bond.
b. Pricing includes 5% Guam Business Privilege Tax

Thank you for this opportunity to submit a proposal. Please contact the undersigned at raheltzel@healytibbitts.com/(808) 487-3664 (office)/(808) 479-2941 (cell) if you have any questions or require any additional information.

Very truly yours,
Healy Tibbitts Builders, Inc.

Richard A. Heltzel (Rick)
President

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

GWA RESOLUTION NO. 09-FY2020

RELATIVE TO THE ADOPTION OF GENERAL PROVISIONS TO GUAM WATERWORKS AUTHORITY OPERATING BUDGETS

WHEREAS, Section 8104 (c), Chapter 8 and Section 14104 (c) Chapter 14 of Title 12 of the Guam Code Annotated authorizes the Guam Waterworks Authority to establish its internal organization and management and adopt regulations for the administration of its operations; and

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

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the CCU approved GWA's Five-Year Financial Plan for filing with the Public Utilities Commission on June 5, 2019 and GWA submitted the approved plan to the Public Utilities Commission (PUC) on July 6, 2019; and

WHEREAS, the Financial Plan addresses the five-year period of FY2020-FY2024: (1) estimated annual budgets for operations, maintenance and repair of GWA's water and wastewater system, including capital improvement projects; and (2) a descriptive plan for raising sufficient revenue to meet the projected costs set forth in the budgets; and

WHEREAS, the first fiscal period of the Financial Plan started on October 1, 2019 and to avoid interruptions in operational activities pending PUC approval, GWA management maintains authorized spending levels from FY2019; and

WHEREAS, Management seeks CCU approval to implement general provisions for GWA's operating budgets; and

NOW BE IT THEREFORE RESOLVED; the Consolidated Commission on Utilities does hereby approve the following:

1. Authorized level of positions for FY2020 shall be 400 full-time employees.
2. The General Manager is authorized to transfer up to ten percent (10%) between and among O&M budget expenses, excluding salaries and benefits; transfers will be reported to the CCU. Any transfers exceeding ten percent (10%) requires CCU approval.
3. The General Manager's delegated contract approval is authorized at $1,000,000.00. The General Manager shall seek CCU approval for expenditures in excess of $1,000,000.00.
4. This resolution will remain in place unless superseded by the CCU.

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

DULY AND REGULARLY ADOPTED, this 26th day of November, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson

Attested by:

MICHAEL T. LIMTIACO
Secretary

//

//

//

SECRETARY'S CERTIFICATE

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

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

AYES: 4

NAYS: 0

ABSTENTIONS: 0

ABSENT: 1

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

RESOLUTION NO. 2019-15

RELATIVE TO APPROVING OF THE CREATION OF THE SCADA POSITION SERIES

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

WHEREAS, the Guam Power Authority ("GPA") is a Public Corporation established and existing under the laws of Guam; and

WHEREAS, GPA upgraded its power system control center to a Supervisory Control and Data Acquisition ("SCADA") system that connects decentralized power generation assets, allowing remote management and monitoring functions; and

WHEREAS, GPA reviewed the standards of the current employee positions operating its SCADA system and determined it is necessary to create a series of SCADA positions to support the utility; and

WHEREAS, the GPA General Manager requests the CCU to approve the creation of the SCADA Technician I, II, Leader and Supervisor positions (Exhibit A); and

WHEREAS, the GPA General Manager requests the CCU to approve the classification standard of the SCADA Technician I, II, Leader and Supervisor positions in the classified status; and

WHEREAS, Public Law 28-112 and 4 G.C.A. §6303(d) authorizes the creation in Autonomous Agencies and Public Corporations; and

WHEREAS, GPA Personnel Rules & Regulations as amended by Public Law 28-159 authorizes the CCU to amend, modify or add a position to the list of certified, technical and professional positions; and

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

1. The recitals set forth above hereby constitute the findings of the CCU.

2. The creation and the job classification standard for the SCADA Technician I, II, Leader and Supervisor positions in the classified status is hereby approved and attached herein as Exhibit A.

3. The SCADA Technician I, II, Leader and Supervisor positions are hereby added to the Certified, Technical and Professional list of positions at GPA and GWA.

4. The authorization of the SCADA Technician I, II, Leader and Supervisor positions shall become effective December 30, 2019.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 26th DAY OF NOVEMBER 2019.

Certified by:

JOSEPH T. DUENAS
Chairman
Consolidated Commission on Utilities

Attested by:

MICHAEL LIMTIACO
Secretary
Consolidated Commission on Utilities

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

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

Ayes:	4
Nays:	0
Absent:	1
Abstain:	0



SCADA TECHNICIAN I

NATURE OF WORK IN THIS CLASS:

Performs semi-skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Assists in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Assists in the installation, testing and maintenance of Remote Terminal Units (RTU), which includes all necessary cabling.

Assists in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Assists in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, calibration and maintenance of various communication networks and its components, which includes but is not limited to fiber optics, category 5, serial data, etc.

Respond to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems) to maintain SCADA/EMS operations.

Assists with repair tasks requiring a high degree of skill in the SCADA related field.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, RTU and other devices.

Knowledge of computer hardware & software.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively with the public and employees.

Ability to understand and follow oral and written instructions.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. One (1) year experience in the installation, operation, maintenance, repair and upgrade of SCADA/EMS related computer servers and remote terminal units;

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

Established: November 26, 2019

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

SCADA TECHNICIAN II

NATURE OF WORK IN THIS CLASS:

Performs skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Perform skilled work in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Perform skilled work in the installation, testing and maintenance of Remote Terminal Units (RTU) which includes all necessary cabling.

Performs skilled work in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Performs skilled work in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, calibration and maintenance of various communication networks and its components, which includes but is not limited to fiber optics, category 5, serial data, etc.

Respond to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters and other system problems) to maintain SCADA/EMS operations.

Maintains databases for proper maintenance of SCADA/EMS, RTU and transducer equipment.

Perform repair tasks requiring a high degree of skill in the SCADA related field.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, RTU and other devices.

Knowledge of computer hardware & software.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. Four (4) years of experience in the installation, maintenance, repair and upgrade of SCADA/EMS related computer servers and remote terminal units; or

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

Established: November 26, 2019

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

SCADA TECHNICIAN LEADER

NATURE OF WORK IN THIS CLASS:

Leads and performs skilled work in the installation, operation, maintenance and upgrade of a real-time Supervisory Control and Data Acquisition (SCADA) system to accurately and continuously monitor and control the electric utility system or water/wastewater system.

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

Leads and performs skilled work in the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Leads and performs skilled work in the installation, testing and maintenance of Remote Terminal Units (RTU) which include all necessary cabling.

Leads and performs skilled work in the installation, testing and maintenance of the substation Digital Automation Platform (DAP) servers.

Leads and performs skilled work in the installation, testing, calibration and maintenance of telemetry transducers.

Participate in the installation, testing, and maintenance of various communication networks and its components, which include but are not limited to fiber optics, category 5, serial data, etc.

Responds to emergency calls to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters, and other system problems).

Work during adverse system conditions (island wide power outages, tropical storm/typhoon conditions and natural disasters, and other system problems) to maintain SCADA/EMS operations.

Assist supervisor with the preparation of budget plans for SCADA/EMS system requirements.

Perform repair tasks requiring a high degree of skill in the SCADA related trade.

Maintain databases for proper maintenance of SCADA/EMS, RTU, transducer and other SCADA related equipment.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, workstations, networks, uninterrupted power supplies, RTU and other devices.

Knowledge of computer hardware & software.

Ability to lead the work of others.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

Skill in computer equipment repair work.

MINIMUM EXPERIENCE AND TRAINING:

A. Five (5) years of experience in the installation, operation, programming, maintenance, repair and upgrade of SCADA/EMS related computer servers and RTU and one (1) year at the skilled level; or

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

Established: November 26, 2019

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

SCADA TECHNICIAN SUPERVISOR

NATURE OF WORK IN THIS CLASS:

Supervises and participates in the installation, operation, maintenance and upgrade of a real-time supervisory control and data acquisition (SCADA) system to accurately and consistently monitor and control the electric utility system or water/wastewater system.

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

Supervises the installation, testing, maintenance and upgrade of a SCADA/Energy Management System (SCADA/EMS) system and its components.

Supervises the installation, testing and maintenance of the substation Digital Automations Platform (DAP) servers.

Supervises the installation, testing, calibration and maintenance of telemetry transducers.

Participates in the installations, testing and maintenance of various communication networks and its components, which include but is not limited to, fiber optics, category 5, serial data, etc.

Responds to emergency calls pertaining to SCADA/EMS system failures and/or outages during system disturbances (island wide power outages, tropical storm/typhoon conditions and natural disasters, other system problems).

Works during adverse system conditions and natural disasters, other system problems) to maintain SCADA/EMS operations.

Prepares budget plans for SCADA/EMS system requirements.

Prepares work plans for short-term (daily, weekly, monthly) and long-term duration (annual).

Develops and maintains databases for proper maintenance of SCADA/EMS, RTU and transducer equipment.

Performs repair tasks requiring a high degree of skill in the SCADA related trade, as needed.

Performs other related work as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the standard principles, practices, methods, techniques, tools and test equipment used in the installation, maintenance and repair of SCADA/EMS related computer servers, workstations, networks, Uninterrupted Power Supply (UPS), RTU and other devices.
Knowledge of computer hardware & software.

Ability to supervise the work of others.

Ability to apply safe work practices on the job.

Ability to read, interpret and work from blueprints, sketches and diagrams.

Ability to work effectively, orally or in writing.

Ability to maintain records and prepare reports.

MINIMUM EXPERIENCE AND TRAINING:

A. Six (6) years of experience in the installation, operation, programming, maintenance, repair and upgrade of SCADA/EMS related computer servers, workstations, networks, UPS and RTU and two (2) years at the skilled level; or

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

Established: November 26, 2019

JOSEPH T. DUENAS, Chairman
Consolidated Commission on Utilities

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

RESOLUTION NO. 2019 - 16

AUTHORIZING THE MANAGEMENT OF THE GUAM POWER AUTHORITY TO PETITION THE GUAM PUBLIC UTILITIES COMMISSION FOR 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 December 15, 2019; and

WHEREAS, for the LEAC period covered from August 1, 2019 through January 31, 2020, GPA requested to maintain the LEAC rate of $0.154242/kWh that was approved for meters read on or after May 1, 2018 in anticipation of projected declining prices of black oil in the fuel market and to recover about 30% of the under-recovery at the end of the period; and

WHEREAS, the average market price of residual fuel oil and diesel to be used in the initial filing for the current period was approved at $78.61/bbl for the (6) six-month period ending January 31, 2020, the current projection for the same period is $77.06/bbl. The projected average price of residual fuel oil and diesel for the period ending February 1, 2020 to July 31, 2020 is $65.71/bbl; and

WHEREAS, the most recent Morgan Stanley market projections indicate falling fuel prices over the next year. However, according to S&P Global Platts, "OPEC and its allies are leaning towards their 1.2 billion b/d supply cut agreement through the end of 2020" in the hopes

of boosting the global economy. Based on this information, GPA anticipates an increase in fuel price by 15% from the current market; and

WHEREAS, under this proposal, GPA will fully recover the current under- recovery of about $9.3 million based on the Morgan Stanley Asia Morning Call forward pricing for the period of February 1, 2020 to July 31, 2020 adjusted with anticipated 15% increase in price due to continued supply cut agreement by OPEC. Under this approach, the projected LEAC rate for Secondary voltage customers is $0.138542/kWh or a 10.18% decrease from the current LEAC rate; and

WHEREAS, an estimated $1.5 million is included for costs associated with the Demand Side Management rebate program which has an estimated impact of $0.002/kWh for the anticipated LEAC period. DSM under LEAC represents a 1.48% of the anticipated fuel cost for the 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:

1. 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 $0.131145/kWh [inclusive of DSM charge of .0021/kWh] effective for the period from February 1, 2020 to July 31, 2020. (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 REGULARY ADOPTED this 26 th day of November 2019.

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:	0
Abstentions:	0
Absent:	1

GPA
Proposed LEAC Rate ($000)

		Full Recovery At Current MS Forward Pricing + 7.5 % Movement up with DSM Eff 2/01/2020	Full Recovery At Current MS Forward Pricing + 7.5 % Movement up without DSM Eff 2/01/2020
2	Average Price per Bbl-RFO	$ 51.05	$ 51.05
2	Average Price per Bbl-Diesel	$ 89.77	$ 89.77
4	Number 6 (HSFO/LSFO)	$ 49,828	$ 49,828
5	Number 2 (Diesel)	34,758	34,758
6	Renewable (Solar)	5,575	5,575
7	TOTAL COST	$ 90,162	$ 90,162
8	Handling Costs	5,906	5,906
9	Total Current Fuel Expense	$ 96,068	$ 96,068
10	Civilian Allocation	81.62%	81.62%
11	LEAC Current Fuel Expense	$ 78,410	$ 78,410
12	Estimated DSM for this period	$ 1,500	$ -
13	Deferred Fuel Expense at the beginning of the period	4,222	4,222
14	Total LEAC Expense	$ 84,132	$ 82,632
15	Less: Trans. Level Costs	(4,967)	(4,878)
16	Distribution Level Costs	$ 79,165	$ 77,754
17	Under recovery at the end of the period	$ -	$ -
18	Adjusted Distribution Level Costs	$ 79,165	$ 77,754
19	Distribution Level Sales (mWh)	603,646	603,646
20	LEAC Factor Distribution	0.131145	0.128807
21	Current LEAC Factor Distribution	0.154242	0.154242
22	Increase/(Decrease)	(0.02310)	(0.02543)
23	Monthly Increase/(Decrease) - 1000 kWh	$ (23.10)	$ (25.43)
24	% Increase/(Decrease) in LEAC	-14.97%	-16.49%
25	% Increase/(Decrease) in Total Bill	-9.28%	-10.22%
26	Discount (3%) - Primary 13.8 KV	0.127197	0.124929
27	Discount (4%) - 34.5 KV	0.126831	0.124569
28	Discount (5%) - 115 KV	0.125289	0.123036

Notes: This LEAC filing reflects the actual under recovery through September 30, 2019 and the average forward pricing from November 7-13, 2019.

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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GPA RESOLUTION NO. 2019-17

RELATIVE TO AUTHORIZING THE SOLICITATION OF A PERFORMANCE MANAGEMENT CONTRACT FOR GPA'S CABRAS UNITS #1 AND #2 STEAM TURBINE POWER PLANT

WHEREAS, the Guam Power Authority (GPA) had a five-year Performance Management Contract (PMC) for the Management, Operation and Maintenance of the Cabras 1&2 Steam Turbine Power Plant awarded to TEMES, that commenced in October 2010; and

WHEREAS, the PMC awarded to TEMES expired on Sept. 30, 2015 through Resolution 2015-35 and was approved for extension up to December 31, 2015; and

WHEREAS, the PMC was subsequently approved for another extension through December 30, 2016 through Resolution 2015-62A; and

WHEREAS, through CCU Resolution 2016-62, the Authority was approved to extend the Cabras 1&2 PMC Contract for another three years and nine months, up to September 30, 2020; including an optional extension year up to 2021; and

WHEREAS, through PUC Docket 17-09, the Authority was approved to extend the Cabras 1&2 PMC Contract for only another three years and nine months, up to September 30, 2020; and

WHEREAS, GPA's Phase II Renewable Resource Acquisition contracts are expected to start commercial operation by 3rd quarter of 2022; and

WHEREAS, GPA's new power plant was awarded in November 2019, and is expected to be placed in commercial operation in the 4th Quarter of 2022; and

WHEREAS, in order to ensure adequate installed capacity to meet the Megawatt demands of the island, the Cabras 1&2 Steam Turbine Power Plant must continue to be operated and maintained; and

WHEREAS, GPA plans to solicit for a new Performance Management Contract for the continued Management, Operation and Maintenance of the Cabras 1&2 Steam Turbine Power Plant, and also to plan for and conduct activities related to the power plant's de-activation and/or decommissioning.

WHEREAS, the term of the new contract will start in October 2020, for a base period of three years with the last year of the base contract in 2023 designated as the commencement of de-activation and/or decommissioning planning and activities. There is an option to extend for two (2) additional 1-year extensions if deemed necessary.

NOW, THEREFORE, BE IT RESOLVED, by the Consolidated Commission on Utilities, subject to the review and approval of the Public Utilities Commission, as follows:

1. The General Manager is authorized to request to solicit for a Performance Management Contract for GPA's Cabras Units #1 and #2 Steam Turbine Power Plant, as described herein.

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

DULY AND REGULARLY ADOPTED AND APPROVED THIS 26TH DAY OF NOVEMBER, 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

MICHAEL T. LIMTIACO
Secretary
Consolidated Commission on Utilities

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

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

Ayes:	4
Nays:	0
Absent:	1
Abstain:	0

CONSOLIDATED COMMISSION ON UTILITIES
Guam Power Authority | Guam Waterworks Authority
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RESOLUTION NO. 2019-18

AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE RECOMMENDATIONS FOR PLACING THE DEMAND-SIDE MANAGEMENT (DSM) PROGRAM EXPENSES UNDER LEAC

WHEREAS, the Guam Public Utilities Commission (PUC) established GPA Docket 13-14 in August 2013 to develop the GPA Demand-Side Management (DSM) program; and

WHEREAS, on February 26, 2015, the PUC approved GPA's plan to implement certain DSM programs, including Central AC, Ductless AC, Washer, and Dryer; and

WHEREAS, in its Order dated October 27, 2015, the PUC authorized GPA to utilize the sum of $1,806,014 from the Working Capital Fund (WCF) to pay for GPA's Demand Side Management (DSM) Program rebates and other related expenses; and

WHEREAS, furthermore the Guam Public Utilities Commission (PUC) ordered (May 25, 2017): "GPA and the ALJ are instructed to continue to discuss proposals for the long-term funding of DSM Programs and to develop a plan for such funding."; and

WHEREAS, GPA and the ALJ had determined that it was perhaps too ambitious to adopt all 18 DSM proposals at the time, particularly as a long-term funding source has not yet been identified; and

WHEREAS, however, both GPA and the ALJ have agreed upon ten new DSM initiatives to be implemented; and

WHEREAS, under GPA Docket 18-11, the PUC approved GPA's request balance of the Bond Refinancing Savings through 2021 to fund the GPA Demand Side Management (DSM) rebate program in the amount of $1,139,189; and

WHEREAS, Exhibit A Figures A-1 and A-2 illustrate the exponential growth year over year in the amount DSM Program rebate payments since FY 2016; and

WHEREAS, for $2.28M in rebates paid there is an estimated $21.3M fuel savings over the estimated equipment life; and

WHEREAS, DSM Program forecasted growth places pressure on GPA base rate funding and could impact GPA Debt Service Coverage requirements; and

WHEREAS, the current available funding will eventually run out for the current budget approved amount for FY2020, with a requested budget of $3 million for FY2020 GPA plans to allocate $1.7 million for projected residential rebate applications. The remaining $1.3 million will allow GPA to expand the DSM program new DSM initiatives; and

WHEREAS, similar to renewable energy, the DSM Program is predicated on the avoidance of fuel costs, and it also defers the need for capacity additions; and

WHEREAS, the PUC has allowed GPA to recover its Utility Scale Renewable Energy Program costs through LEAC and all savings achieved credited to LEAC; and

WHEREAS, to date, annual energy fuel savings from the program is approximately 4,012,000 kWh; and

WHEREAS, to date, demand reduction achieved from the program is approximately 3,108 kW; and

WHEREAS, GPA has paid nearly $3.6 million to its customers for over 11,824 rebate applications, yielding an average customer rebate amount per application of $300; and

WHEREAS, in addition to the rebate savings, customers directly save $65 - $140 a year for a 4 SEER improvement on appliance equipment for 9000 BTU and 12000 BTU sized split air conditioners; and

NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES subject to the review and approval of the Public Utilities Commission as follows:

1. The General Manager is authorized to petition for the DSM Program Funding to be placed under LEAC.

2. The initial rate for the DSM funding shall be $.0021 kwH.

3. The General Manager is authorized to conduct an information campaign supporting these recommendations

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

DULY and REGULARY ADOPTED this 26 th day of November 2019.

Certified by:

JOSEPH T. DUENAS
CHAIRMAN

Attested by:

MICHAEL T. LIMTIACO
SECRETARY

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, Secretary for the Consolidated Commission on Utilities (CCU), as evidenced by my signature above do certify as follows: The foregoing is a full, true, and accurate copy of the resolution duly adopted at a regular meeting of the members of Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

Ayes: 4

Nays: 0

Absent: 1

Abstain: 0



EXHIBIT A

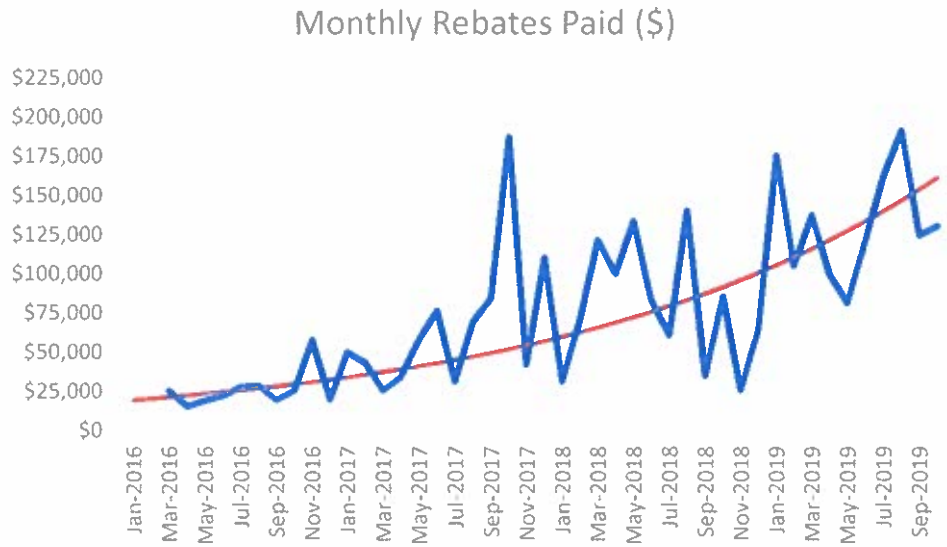
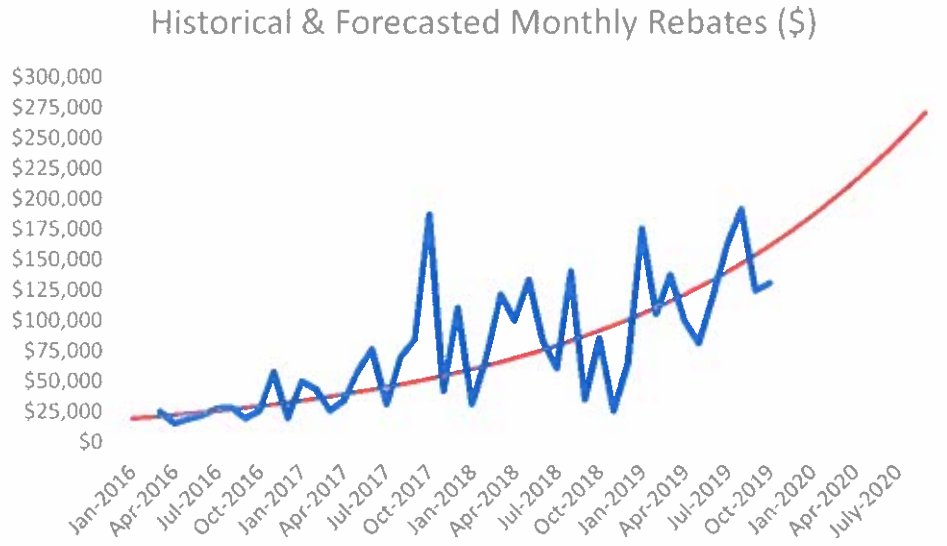


Figure A-1. Historical and Forecast Monthly DSM Rebate Expenses



- DSM Expenses is growing exponentially
- Growth Rate will make it very difficult to fund out of base rates
- GPA may have to cap program

Figure A-2. Historical and Forecasted Annual DSM Rebate Expenses

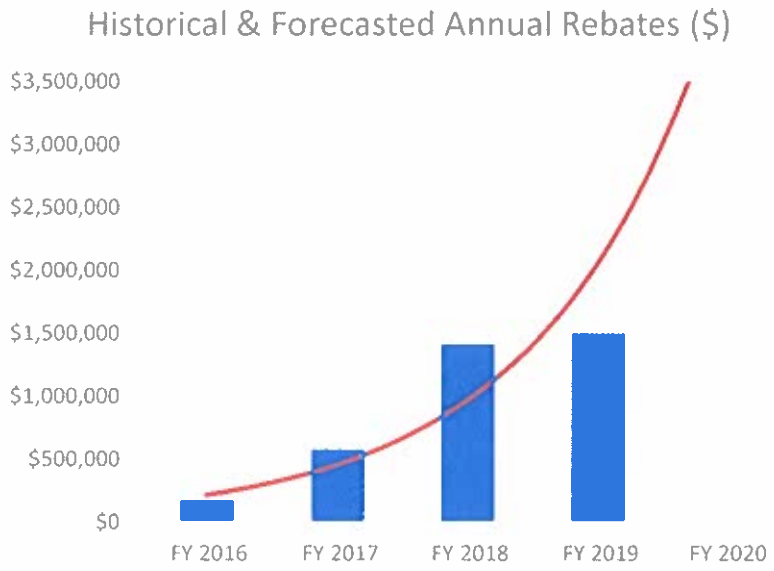


Table A-1. Annual Rebate Summary

Description	Year Paid	Total Rebate Amount	Count of Applications	Avg. Rebate per Application
Rebates-Split A/Cs	2016	$ 253,500	693	$ 366
	2017	$ 798,426	2519	$ 317
	2018	$ 1,073,575	3385	$ 317
	2019	$ 1,275,975	4484	$ 285
Rebates-Split A/Cs Total		**$ 3,401,477**	**11081**	**$ 307**
Rebates- Washer/Dryers	2016	$ 4,700	36	$ 131
	2017	$ 7,325	29	$ 253
	2018	$ 57,400	212	$ 271
	2019	$ 103,800	434	$ 239
Rebates- Washer/Dryers Total		**$ 173,225**	**711**	**$ 244**
Rebates-Central A/Cs	2016	$ 7,200	8	$ 900
	2017	$ 5,800	8	$ 725
	2018	$ 3,600	6	$ 600
	2019	$ 6,500	10	$ 650
Rebates-Central A/Cs Total		**$ 23,100**	**32**	**$ 722**
Grand Total		**$ 3,597,802**	**11824**	**$ 304.28**

CONSOLIDATED COMMISSION ON UTILITIES
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RESOLUTION NO. 2019-20

AUTHORIZING MANAGEMENT OF THE GUAM POWER AUTHORITY (GPA) TO FILE A REVISON TO INTERIM NET METERING RIDER ADDRESSING THE GUAM PUBLIC UTILITIES COMMISSION (PUC)ORDER DOCKET NO. 08-10

WHEREAS, Guam Public Law 27-132 (2004) created Net Metering for Guam and assigned the Guam Public Utilities Commission (PUC) the responsibility for setting the Net Metering Rate for excess renewable energy fed into GPA's Distribution System; and

WHEREAS, the Guam Public Utilities Commission (PUC) ordered GPA to execute the Interim Net Metering (NM) Rider under Docket No. 08-10 (December 29, 2008); and

WHEREAS, under Docket 08-10, Exhibit A (paragraph 1), the PUC states: "The NM Rider may be amended or modified in the future by GPA, with the approval of the Guam Public Utilities Commission (PUC)"; and

WHEREAS, under Docket 08-10, Exhibit A (paragraph 3), the PUC orders: "The NM Rider is available to all customers without limitation as to the aggregate capacity of Customer-Generator installations on the GPA System. However, at the time the number of Customer-Generators exceeds one-thousand (1000) customers this issue will be reviewed by the PUC and a determination made as to the continued offering of the NM Rider for new 'net metering' customers."; and

WHEREAS, GPA achieved the milestone of 1000 net metering (NEM) customers in June 2016; and

WHEREAS, NEM customers receive services from the grid subsidized by non-NEM customers including but not limited to: 1) Use of the grid to sell power (get credit at full retail rate for excess production); 2) Use of the grid to energize their homes at night; 3) Frequency regulation absorbed by grid for intermittencies; 4) Reactive power supply; 5) Voltage regulation; and 6) Stand-by power on overcast days when the sun does not shine.

WHEREAS, GPA has 2,040 net metering customers (October 31, 2019) resulting in an approximate $3,527,745 annual subsidy going forward; and

WHEREAS, expiration of customer credit was revised in docket 08-10 on December 10, 2015 which gave customer an option to elect to have GPA carry the credits forward, or have GPA purchase from the customer all kWh credits remaining on their account; and

WHEREAS, GPA refunded $86,283 and carried forward $241,217 in calendar year 2018; and

WHEREAS, GPA is requesting to **revert** to the original language contained in the Net Metering Rider, under "MONTHLY BILLING," which states:

> "In no event shall the excess credit from a single month be carried forward beyond twelve (12) months as a credit against the current monthly billing. At the end of each calendar year, or in the event of termination of service under this Rider, any excess kWh credits; if any will be granted by the customer to the GPA without compensation to the customer"; and

WHEREAS, the payment or carry over of excess credits tend to encourage net metering customers to install larger capacity which results in receiving payments for excess energy thereby resulting in increased cost to non-NEM customers; and

WHEREAS, typically in other jurisdictions NEM excess credits are zeroed out annually as was done by GPA prior to the change in December 2015.

NOW, THEREFORE, BE IT RESOLVED, by the CONSOLIDATED COMMISSION ON UTILITIES subject to the review and approval of the Public Utilities Commission as follows:

1. The General Manager is authorized to file a petition of its revision to the Interim Net Metering Rider, such that all NEM excess credits are zeroed out annually.
2. The revision shall state "In no event shall the excess credit from a single month be carried forward beyond twelve (12) months as a credit against the current monthly billing. At the end of each calendar year, or in the event of termination of service under this Rider, any excess kWh credits; if any will be granted by the customer to the GPA without compensation to the customer".
3. The General Manager is authorized to conduct an information campaign supporting these recommendations.

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

DULY and REGULARY ADOPTED this 26th day of November 2019.

Certified by:

JOSEPH T. DUENAS
Chairperson
Consolidated Commission on Utilities

Attested by:

MICHAEL LIMTIACO
Secretary
Consolidated Commission on Utilities

I, Michael Limtiaco, Secretary for the Consolidated Commission on Utilities do hereby certify that the foregoing is a full, true, and correct copy of the resolution duly adopted at a regular meeting of the members of Guam's Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

Ayes: 4

Nays: 0

Absent: 1

Abstain: 0