GPWA MEETING

Presentation To:
Consolidated Commission on Utilities
February 21, 2023

ISSUES FOR DECISION

GPA Resolution No. FY2023-09

IPP Contract Extension For Piti 8&9 Units

GPA RESOLUTION NO. FY2023-09
IPP Contract Extension for Piti 8&9 Units

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

The Marianas Energy Corporation Performance Management Contract for Piti 8&9 expires January 2024. Piti 8&9 are the most reliable and efficient units in the GPA System and must be operated and maintained by experienced management, operations and maintenance personnel most especially during the next few years as the new Ukudu Power Plant and Phase IV renewables are commissioned. The Piti Plant has been managed, operated and maintained by the Independent power Producer MEC since the commissioning of the units in 1999 and contract extended by CCU and PUC in 2018 mainly for the reasons an additional extension is being requested today. This resolution is for an additional extension of five(5) years in order to continue providing reliable low cost energy for our ratepayers as GPA transitions to the New Ukudu power Plant and the addition of new renewables by 2026.

Where is the location?

Piti Units 8&9 are located on Cabras Island, Piti.

How much will it cost?

The Annual O&M cost is approximately $11M

When will it be completed?

The contract extension is for the period January 2024 thru January 2029.

What is its funding source?

Revenue funds

Capacity (MW) Projections

Date:	CY 2023	CY 2024	CY 2025	CY 2026	CY 2027	CY 2028	CY 2029	CY 2030
Current Operable Capacity								
Ukudu Power Plant Commissioned (CY 2025)			198	198	198	198	198	198
Cabras Steam (Retired CY 2025)	100	100	0	0	0	0	0	0
Piti 8&9 (MEC)	88	88	88	88	88	88	88	88
BASELOAD TOTAL	188	188	286	286	286	286	286	286
NON-BASELOAD TOTAL	161	161	161	161	161	161	161	161
TOTAL CONVENTIONAL CAPACITY	349	349	447	447	447	447	447	447
Full Shifting Renewables (Firm Capacity):								
Phase IV CY 2023 Bid-COD CY 2026 (50% Firm)				90	90	90	90	90
Phase V CY 2025 Bid-COD 2028 (50% Firm)						90	90	90
Firm ESS Capacity				**90**	**90**	**180**	**180**	**180**
Total Firm Capacity:	**349**	**349**	**447**	**537**	**537**	**627**	**627**	**627**
Peak Demand (2% Growth)	265	270	276	281	287	293	298	304
Minimum Reserve (55%of Peak Demand)	146	149	152	155	158	161	164	167
Capacity Balance	**-62**	**-70**	**20**	**101**	**92**	**173**	**164**	**155**

Reliability period of concern (Red)

Cautionary Period during ESS Mobilization (Yellow)

Piti 8&9 Annual Cost

Fiscal Year	Fuel Handling	Other Contractual	Total O&M	Monthly Average	Capital Projects Completed
FY2019 Feb-Sept	$ 1,654,846	$ 5,902,587	$ 7,557,433	$ 944,679	$ 1,444,179
FY2020	$ 1,938,304	$ 9,135,527	$ 11,073,831	$ 922,819	$ 3,865,510
FY2021	$ 1,789,002	$ 9,365,143	$ 11,154,146	$ 929,512	$ 2,519,393
FY2022	$ 2,545,125	$ 9,355,771	$ 11,900,896	$ 991,741	$ 1,199,014
FY2023 - Dec	$ 410,830	$ 2,526,023	$ 2,936,854	$ 978,951	$ -
	$ 8,338,108	**$ 36,285,052**	**$ 44,623,160**		**$ 9,028,097**

A Reliable and Efficient Piti Equates to Lower LEAC

Date:	**Dec-22**
Piti ULSD $/bbl	**$ 120.65**
Reserve ULSD $/bbl	**$ 123.43**
Cabras 0.2%LSRFO	**$ 141.05**

Base Load Plant:	**Net kWh/Gal**	**Fuel $/gal**	**$/ Net kWh**	**Variance**
Piti 8/9	15.40	$ 2.87	**$ 0.1865**	
Cabras 1/2	**12.47**	**$ 3.36**	**$ 0.3197**	**$ 0.1332**

Non-Base Load Plants:	**Net kWh/Gal**	**Fuel $/gal**	**$/ Net kWh**	**Variance**
Medium Speed Diesels	13.70	$ 2.94	$ 0.2145	$ 0.0280
Yigo Diesel	12.31	$ 2.94	$ 0.2387	$ 0.0522
Yigo CT	11.48	$ 2.94	$ 0.2560	$ 0.0695
Macheche CT	10.93	$ 2.94	$ 0.2689	$ 0.0824
Piti 7	9.01	$ 2.94	$ 0.3262	$ 0.1397
Dededo CT	8.09	$ 2.94	$ 0.3633	$ 0.1768
Reserves Average			**$ 0.2779**	**$ 0.0914**

Justification for the 5-Year Contract Extension

- Piti 8&9 reliable capacity is crucial most crucial over the next five years as the new Ukudu 198 MW power plant is commissioned and Phase IV renewable bids with full shifting energy storage systems are awarded and commissioned in late 2026. The successful commissioning and operations of these two significant projects would allow GPA to retire aged legacy units between 2025 thru 2030. A reliable and efficient Piti Plant is crucial in avoiding Load Shedding and producing energy at lower cost most especially because of the high cost of fuel we are experiencing.

- Ukudu's original commissioning date changed from Oct 2022 to April 2024. Construction and other potential delays may move the commissioning date to 3rd quarter 2024.

- MEC converted Piti 8&9 to Ultra-Low Sulfur Diesel (ULSD) in July/September 2022. MEC continues to fine tune plant operation and maintenance resulting from the conversion from residual fuel oil to ULSD. Piti is now providing clean energy and is compliant with all USEPA rules and Regulations as required by the USEPA consent decree.

- GPA has limited production capacity until the new 198MW Ukudu plant is commissioned and plant has gone thru the shakedown period of about a year.

- The New 180 MW plus bid for renewables issued in Dec 2022 is targeted for commissioning in 2026. We anticipate this new Full Shifting Energy Storage System will require about 1 to 2 years for GPA to determine what percentage of the new renewable project would be considered as firm capacity allowing GPA to evaluate what units could be retired by 2029.

Justification for the 5-Year Contract Extension

- The Piti 8&9 88 MW plant has been and continues to be the most reliable plant in the system. Marianas Energy Corporation (MEC) Management, operators and maintenance employees have successfully operated the plant reliably for the past 24 years. MEC has all the institutional knowledge and experience in operating this complicated plant successfully and reliably. In addition, MEC has an established engine engineering, technical representatives and spare parts cadre of support.

- The Piti 8&9 plant is currently the most efficient plant in the system. Plant produces energy on ULSD at about 15.4 net kWh/gal and at today's oil prices is $0.09 to $0.13/Net kWh cheaper than Cabras and the reserve units. Plant produces over 600,000,000 kWh annually translating to anywhere from $55M to $80M in lower fuel cost in comparison to the other generators. Any decrease in reliability will result in an increase in LEAC negatively impacting our ratepayers.

- MEC has requested for an expedited extension (letter attached) of their contract for another 5 years. MEC is experiencing difficulties retaining experienced employees because the current contract expires January 2024 and job security has become a major concern amongst its employees. The military buildup has been attracting employees away from MEC also, similar to GPA.

- **I recommend the MEC contract be extended another 5 years in view of the critical importance.** The plant is certainly crucial to meeting energy needs until the new Ukudu plant is commissioned and stable and as we commission more renewables by 2026.

GPA Resolution No. FY2023-12

Solicit Bids for Bulk Supply of Diesel Fuel Oil No. 2

GPA RESOLUTION NO. FY2023-12

Authorize Management to Solicit Bids for Bulk Supply of Diesel Fuel Oil No. 2

What is the project's objective? Is it necessary and urgent?
The Guam Power Authority intends to procure a contractor for Bulk Supply of Diesel Fuel Oil No. 2. The bulk fuel supply contract is necessary to provide uninterrupted supply of fuel for pipeline transfer to the plants.

Where is the location?
Diesel Fuel Oil No.2 will be supplied to the GPA Bulk Storage Tank.

How much will it cost?
The three (3) years contract, with two (2) additional one-year extension option is estimated to exceed $1.5M requiring prior approval from the PUC.

When will it be completed?
The contract is planned for an initial period of two years to commence on or about February 01, 2024 and to expire on January 31, 2027, with the option to extend for two (2) additional one-year terms.

What is its funding source?
Fuel revenue funds

The RFP/BID responses:
The IFB solicitation will commence after CCU & PUC approval.

GPA RESOLUTION NO. FY2023-12
Solicit Bids for Bulk Supply of Diesel Fuel Oil No. 2

Estimated Cost

3-Yr Contract	Estimated Quantity [1] (bbl/yr)	Estimated Cost [2]			
		Commodity Price ($/bbl)	Sample Premium Fee ($/bbl)	Unit Cost (Landed) ($/bbl)	Total Cost ($)
First (1st) Year	2,000,000	$113.402	$4.000	$117.402	$234,804,000
Second (2nd) Year	2,500,000	$113.402	$4.000	$117.402	$293,505,000
Third (3rd) Year	2,700,000	$113.402	$4.000	$117.402	$316,985,400
SUMMARY	**7,200,000** (TOTAL)	**$113.402** (AVG)	**$4.000** (AVG)	**$117.402** (AVG)	**$845,294,400** (TOTAL)

[1] Reference: Section 2 of the Contract

[2] Reference: Section 5 of the Contract

GPA Resolution No. FY2023-13

Month to Month Extension for Professional Printing, Mailing, Processing and Other Services

GPA RESOLUTION NO. FY2023-13

Month to Month Extension for Professional Printing, Mailing, Processing & Other Services

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

To ensure that GPA has continued printing services in order to issue monthly billings which is the revenue lifeline of GPA. GPA management seeks a month-to-month extension up to 12 months or up to when a new contract is awarded in the event a new vendor is selected.

In April 2016, GPA entered into a contract with Graphics Center for a one-year period with option to extend for four additional one-year periods. In 2020, GPA issued a bid for such services but the bidder did not meet the bid requirements. In 2021, the CCU approved management's request to exercise the month-to-month contract extension up to 8 months or until a new contract is awarded. GPA also issued a Request for Proposal for Professional Printing, Mailing, and Processing Services. GPA received three (3) offers and selected InfoSend as the most qualified offeror, GPA selected Graphic Center as the second most qualified offeror, and GPA rejected Moonlight BPO's offer.

In August 2021, Graphic Center filed a procurement protest disputing GPA's evaluation process for the RFP and GPA denied the protest. In October 2021, Graphic Center then filed a procurement protest appeal with the OPA. In March 2022, the OPA issued its decision denying Graphic Center's appeal and in April 2022, Graphic Center appealed the OPA decision in the Superior Court of Guam. The matter is still with the Superior Court of Guam and it is imperative for GPA to have these bill print, mail, and processing services.

Where is the location?

Guam Power Authority

How much will it cost?

Approximately $460,000 for 12-month period

What is its funding source?

The source is revenue funds.

GM REPORT

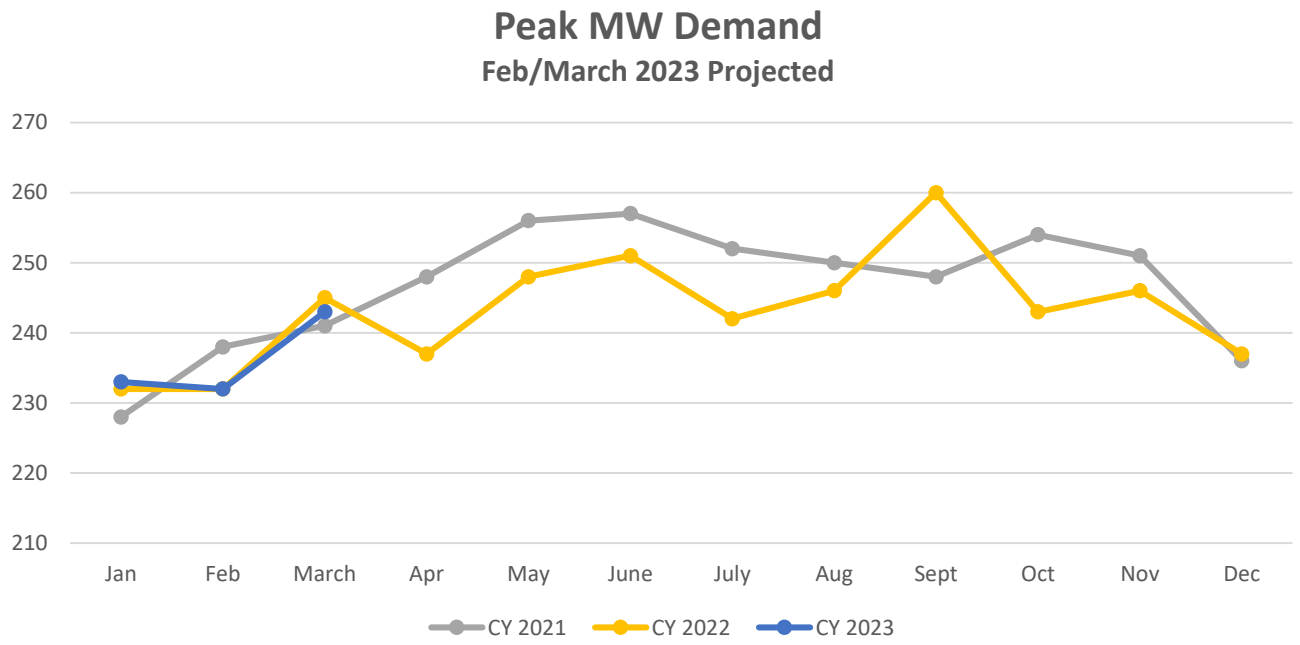
FEBRUARY 2023

Generation Status

1. **Projections for March 2023:**

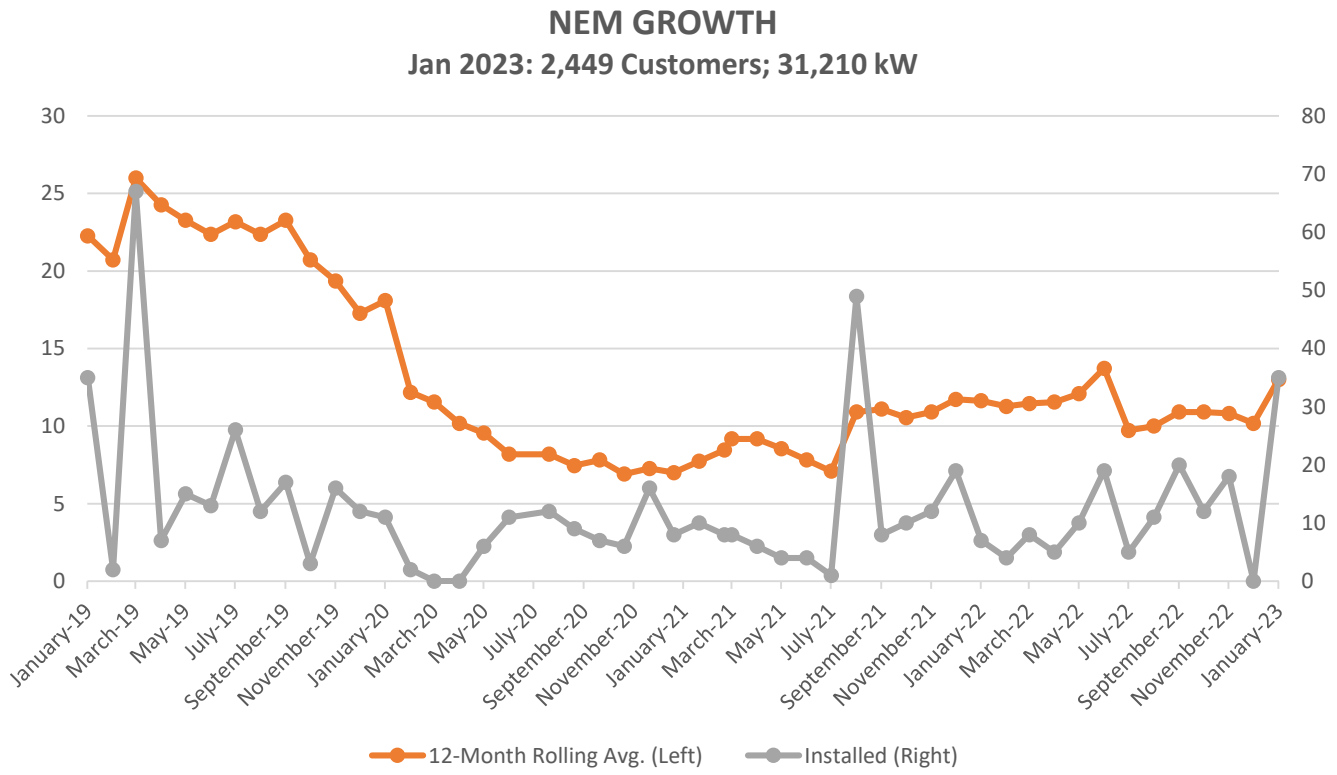
   Projected Available Capacity: 309 MW
   Projected Demand: 243 MW
   Anticipated Reserve Margin: 66 MW
   Yigo CT Generator Overhaul Scheduled for March

2. **System Peak Demand:**



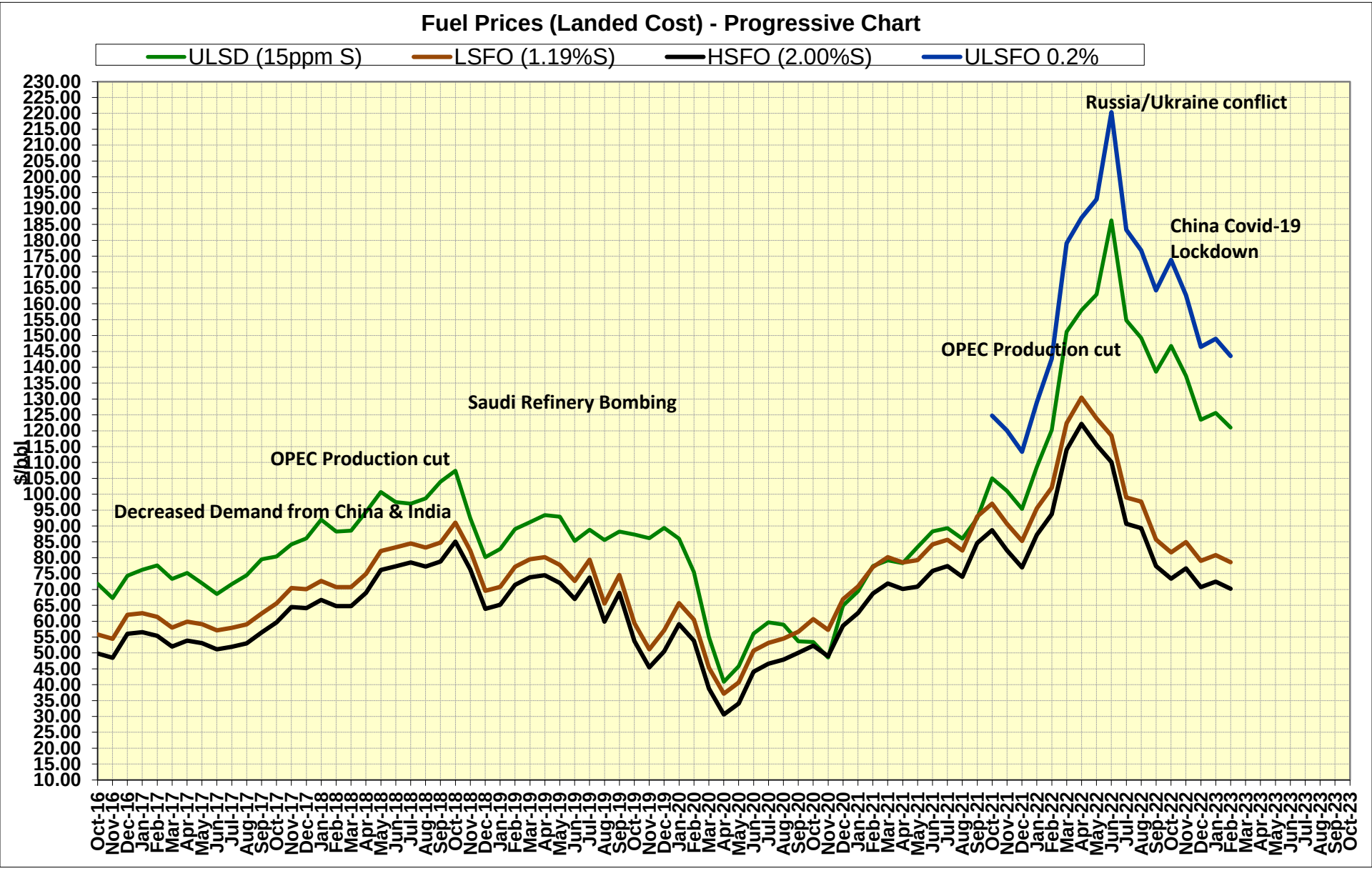
Net Metering (NEM)

3. Net Metering (NEM) Growth Thru January 2023:



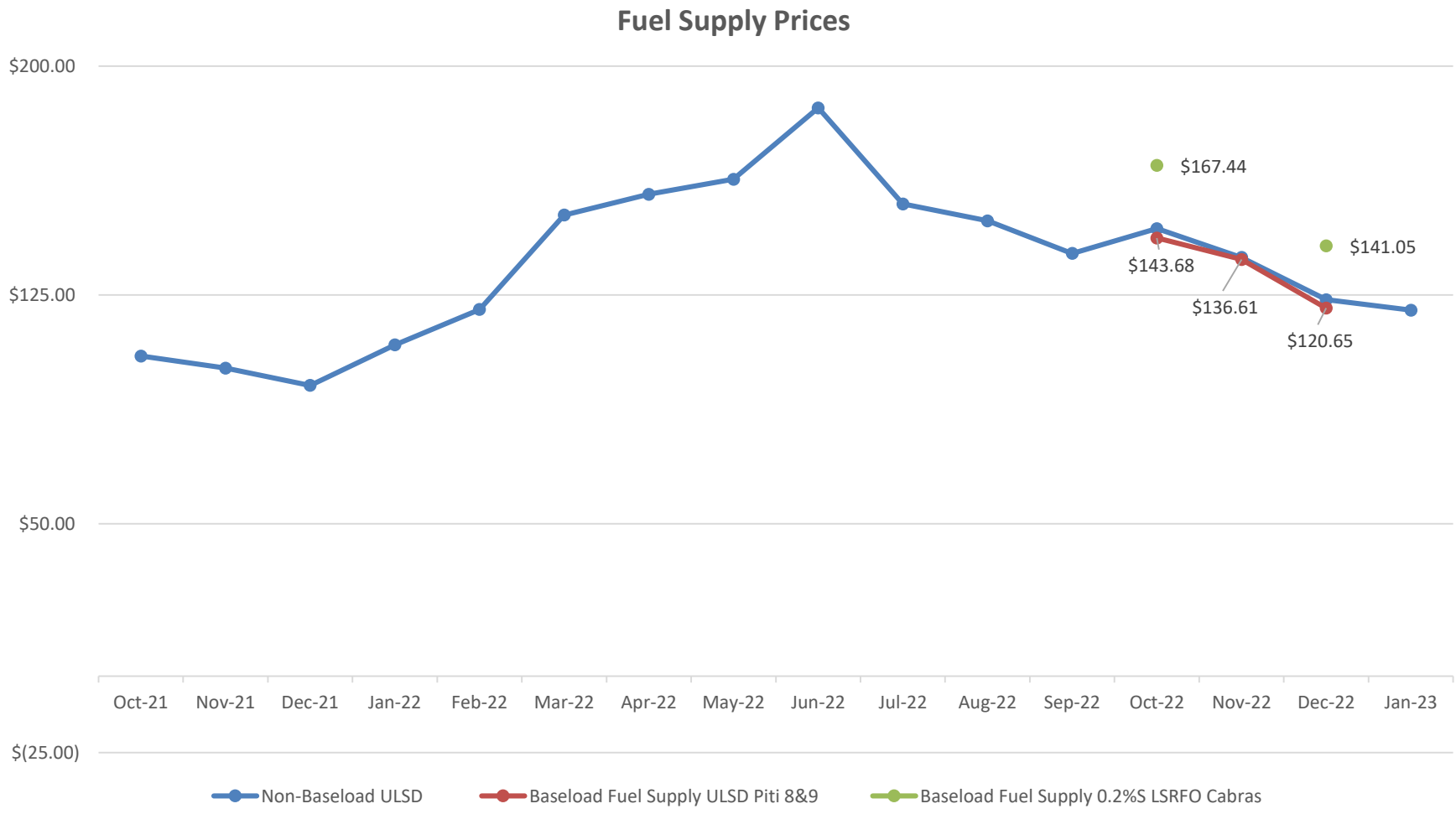
GPA Fuel Landed Cost (Per Barrel) Thru February 06, 2023

4. 0.2% LSRFO $143.58 ; ULSD $121.01



Fuel Oil Landed Price

5. Fuel Oil Landed Prices



General Manager's Report (cont'd)

6. PUC Update:

For February 23, 2023 Meeting:

- GPA Docket 23-07, Petition for Contract Review for the Cancellation of the Cabras 41MW Reserve Facility and Modification of the Energy Conversion Agreement.
- GPA Docket 23-10 Petition for Contract Review, Request for approval of the procurement of Property Insurance including Boiler and Machinery Coverage and Terrorism Coverage.

Dockets Approved at Thursday, January 26, 2023 Meeting:

- GPA Docket 23-06, LEAC Filing, Authorizing the Management of the Guam Power Authority to Petition the Guam Public Utilities Commission to Maintain the Levelized Energy Adjustment Clause (LEAC) for the Period from February 1, 2023 to July 31, 2023 - Approved

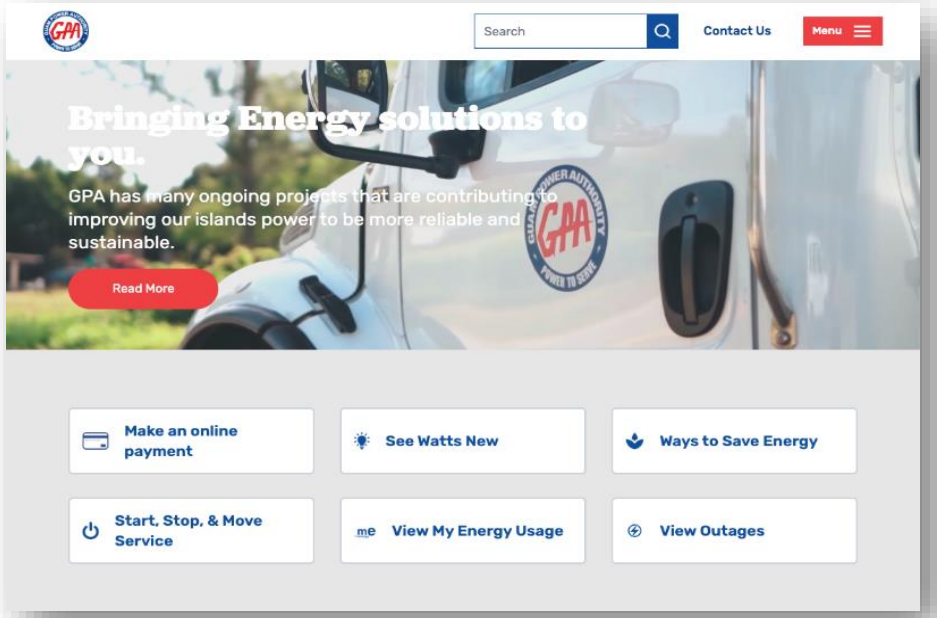
7. Self-Propelled Modular Trailer (SPMT) Heavy Haul Transport:

- Doosan Ukudu Power and Doosan Enerbility have been contracted to move heavy haul components for the new 198-MW power plant in Ukudu, Dededo.
- The first transport of heavy haul components from the Port Authority of Guam (PAG) to the new Ukudu Power Plant took place Saturday evening, February 4, 2023. The return trip to the PAG began Tuesday evening on February 7, 2023.
- The transport convoy, which was centered around a 22-axled Self-Propelled Modular Trailer (SPMT) carrying 162.7 tons of oversized cargo and was accompanied by a Guam police Department, G4S escort, other personnel for added security, and Smith bridge trucks laying out and picking up steel plates for the SPMT to traverse over. GPA crew were also on site to assist. The cargo transport that began Saturday night arrived at Ukudu 18 hours later. The delay was to ensure all equipment and personnel were secured before it made its way to marine corps drive, along with the need for cooling and refueling.
- **This transport was a massive undertaking and the first move involved the heaviest cargo that required extra care and precautions. As a result of the extra care and precautions taken, there were no damages to Guam's roads and bridges, culverts were crossed safely, and most importantly no injuries occurred during the initial transport.**
- The first leg of the second transport consisting of a 16-axle and 18-axle SPMTs, began Sunday afternoon, February 12th. Both units arrived at the Tamuning substation. The second leg of the move will occur Monday evening. A total of 25 moves will be required to bring all of the parts to Ukudu.

General Manager's Report (cont'd)

8. Customer Assistance & Community Outreach

- Updates to HAF, ERA, and Prugråman Ayuda Para I Taotao-ta credits will be provided at March 2023 regular meeting.
- **New website launched January 31, 2023!**
- guampowerauthority.com
- GPA launched its new website, **guampowerauthority.com** on Tuesday, January 31, 2023. GPA customers will enjoy a new online experience with the launch of GPA's new website.



- The website is designed to be a robust online tool that allows GPA to better serve its commercial and residential customers. GPA encourage its customers to utilize the website, along with its mobile site, to manage their accounts, pay their bills online, gain access to its latest news, and learn more about GPA's long-term energy initiatives
- GPA included additional useful information that is easily accessible on the homepage -- "*Watts New*", GPA's news and updates page; *Start, Stop, and Move service options*, where customers can sign up or manage their service; and *Ways to Save,* tips and insights for conserving energy and saving money on their power bills.
- With one click on the *Contact Us* button, customers can view customer service locations around the island and a full GPA phone directory.

General Manager's Report (cont'd)

8. Customer Assistance & Community Outreach

- Latest GPA news and updates on projects, energy-savings tips, assistance, Clean Energy Master Plan , etc. is broadcasted through printed and e-newsletters, social media, advertisements, website, and outreach events.
- February highlight: *Inarajan Middle School's College & Career Fair*
  - T&D Apprentice, Theodore "Teddy" Tamashiro, performed the Safety Home Electrical Demonstration (SHED) to illustrate the importance of electrical safety.
  - Human Resources personnel discussed various GPA careers and the application process.
  - Communications personnel discussed energy conservation and efficiency at school and home.



9. Storm Readiness

- An internal Typhoon Tabletop Exercise was held on Wednesday, February 8th to review and assess the Authority's storm readiness with guest participant, Landon Aydlett, Guam NWS Warning Coordination Meteorologist.
- The exercise was well-attended by representatives from all key divisions.

10. DSM Online Report – JANUARY 2023

APPLICATIONS

Month	Applications	Commercial	Residential
Aug-22	217	-	217
Sep-22	479	7	472
Oct-22	474	4	470
Nov-22	514	10	504
Dec-22	480	5	475
Jan-23	398	1	397
TOTAL	2,562	27	2,535

AVERAGE REBATE PER APPLICATION

Commercial	Residential
$ 222	$ 278

EQUIPMENT

Month	Equipment	Commercial	Residential
Aug-22	315	-	315
Sep-22	666	12	654
Oct-22	691	9	682
Nov-22	697	14	683
Dec-22	651	5	646
Jan-23	535	1	534
TOTAL	3,555	41	3,514

AVERAGE REBATE PER EQUIPMENT

Commercial	Residential
$ 146	$ 201

REBATES

Month	Rebate	Commercial	Residential
Aug-22	$ 61,375.00	$ -	$ 61,375.00
Sep-22	$ 134,700.00	$ 1,950.00	$ 132,750.00
Oct-22	$ 140,100.00	$ 1,450.00	$ 138,650.00
Nov-22	$ 139,700.00	$ 1,500.00	$ 138,200.00
Dec-22	$ 130,850.00	$ 950.00	$ 129,900.00
Jan-23	$ 105,150.00	$ 150.00	$ 105,000.00
TOTAL	$ 711,875.00	$ 6,000.00	$ 705,875.00

Energy Sense Rebate Program (ESRP) Online Application (cont'd)

10. DSM Online Report - JANUARY 2023

APPLICATION COUNTS PER STATUS

Month	Applications	Commercial			Residential		
		Processing	Approved	Denied	Processing	Approved	Denied
Aug-22	217	-	-	-	-	198	19
Sep-22	479	-	1	6	8	373	91
Oct-22	474	1	1	2	27	324	119
Nov-22	514	3	2	5	197	169	138
Dec-22	480	5	-	-	447	-	28
Jan-23	398	1	-	-	397	-	-
TOTAL	2,562	10	4	13	1,076	1,064	395

APPLICATION COUNTS PER PROGRAM

Month	Applications	Commercial				Residential			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	217	-	-	-	-	192	-	15	10
Sep-22	479	7	-	-	-	404	-	29	39
Oct-22	474	4	-	-	-	413	-	19	38
Nov-22	514	10	-	-		432	-	16	56
Dec-22	480	5	-	-	-	407	1	21	46
Jan-23	398	1	-	-	-	351	-	10	36
TOTAL	2,562	27	-	-	-	2,199	1	110	225

REBATES PER PROGRAM

Month	Rebate	Commercial				Residential			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	$ 61,375.00	$ -	$ -	$ -	$ -	$ 57,375.00	$ -	$ 1,600.00	$ 2,400.00
Sep-22	$ 134,700.00	$ 1,950.00	$ -	$ -	$ -	$ 120,350.00	$ -	$ 3,400.00	$ 9,000.00
Oct-22	$ 140,100.00	$ 1,450.00	$ -	$ -	$ -	$ 127,350.00	$ -	$ 1,900.00	$ 9,400.00
Nov-22	$ 139,700.00	$ 1,500.00	$ -	$ -	$ -	$ 123,100.00	$ -	$ 1,700.00	$ 13,400.00
Dec-22	$ 130,850.00	$ 950.00	$ -	$ -	$ -	$ 116,000.00	$ 500.00	$ 2,600.00	$ 10,800.00
Jan-23	$ 105,150.00	$ 150.00	$ -	$ -	$ -	$ 96,000.00	$ -	$ 1,200.00	$ 7,800.00
TOTAL	$ 711,875.00	$ 6,000.00	$ -	$ -	$ -	$ 640,175.00	$ 500.00	$ 12,400.00	$ 52,800.00

EQUIPMENT COUNTS PER PROGRAM

Month	Equipment	Commercial				Residential			
		Split A/C Units	Central A/C Units	VRF A/C Units	Rooftop A/C Units	Split A/C Units	Central A/C Units	Window A/C Units	Washer/Dryer
Aug-22	315	-	-	-	-	287	-	16	12
Sep-22	666	12	-	-	-	575	-	34	45
Oct-22	691	9	-	-	-	616	-	19	47
Nov-22	697	14	-	-	-	600	-	16	67
Dec-22	651	5	-	-	-	565	1	26	54
Jan-23	535	1	-	-	-	482	-	13	39
TOTAL	3555	41	-	-	-	3,125	1	124	264

General Manager's Report (cont'd)

11. New Power Plant Update: GPA Activities

Completed:

- ECA Amendment: Signed on March 17, 2021.
- Resolution on Section 106 process between Navy/SHPO/GPA (cultural process)
- Archaeological Inventory Survey of Ukudu Site
- Cultural Survey for boring scope fuel/water/power project areas (outside of plant)
- Baseline noise study for Piti 41 MW diesel generator plant site.
- Water Supply and Discharge Agreement signed.
- Approval of research design for boring of proposed site in Piti for diesel generator relocation
- Approval of Archaeological Monitoring & Discovery Plan for pipeline construction
- Public Law 36-91 was signed on 4/11/22 for exemption of construction of Reserve Facility in Piti.
- GHPO Concurrence of Section 106 of the bull cart trails
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- Geotechnical boring test report at the Piti site completed.
- GPA approves remaining Phase 5 & 6 construction permits.
- GPA obtains MEC specialist for construction support at Nimitz allowing excavation to resume on Nov. 1, 2022
- GPA obtains easement to avoid Chaot river area near Route 4 in Sinajana for pipeline construction.
- GPA provides notice to Navy of work starting on the bullcart trails along the pipeline route after Navy NEPA process.
- GPA obtains signage requirements for bullcart trails from Navy.
- CCU officially approves cancellation of Reserve Facility.
- Various Island Mayors and Vice Mayors visited plant site on January 25, 2023
- Governor visited plant site on Feb. 2, 2023 (see photos)

Critical Path & Risk Items

Delays on Permit Approvals

- Construction Permits
- NPDES Permit

Construction Mitigation

- For any wetland, biological, cultural or other findings during construction (unknowns)

Governor's Ukudu Plant Site Visit on Feb. 2nd









General Manager's Report (cont'd)

11. New Power Plant Update: GPA Activities *(continued)*

Ongoing / Pending:

- Archaeological & Cultural Requirements:
  - ✓ Archaeological monitoring for pipeline construction work (Chaot & Nimitz areas).
- Water & Wastewater Requirements:
  - ✓ Change of Law issues due to update GWA NPDES permit affecting discharge of wastewater from cooling system. Follow-up with GWA on the NPDES permit modification.
- Construction Permit & Drawing Reviews:
  - ✓ Interconnection and pipeline design documents are being reviewed for approval.
- Reserve Facility:
  - ✓ Awaiting PUC approval
  - ✓ Awaiting ECA amendment by GUP
- Other:
  - ✓ Monthly project reviews including Project Schedule.
  - ✓ Weekly meetings on contract items and ongoing construction activities and pending issues
  - ✓ Coordination with Navy on excavation activities for pipeline construction
  - ✓ Attending transportation logistic meetings for heavy transport to Ukudu from Port.
  - ✓ Bullcart trail sign placement around Cesario St. and Harmon Substation (Navy-owned properties)

General Manager's Report (cont'd)

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

Completed:

- EPC Contract – Doosan
- Height Variance for Ukudu Site
- Financing Contracts Signed – Equity Bridge Loan in place. Senior loan requires air permit and land lease legislation for funds drawdown.
- Down payment to Siemens to secure Turbine Order (long lead item)
- Survey Maps for land lease recorded at Dept. of Land Management
- Phase I for Ukudu Plant construction permit approved. Foundation work is ongoing.
- GUP issues Notice to Proceed to EPC on May 31, 2022.
- Land Lease Agreement was signed by Governor, Lt. Governor and Attorney General on July 6, 2022
- GEPA approves and issues Ukudu Air Permit on 7/20/22 during construction ground breaking ceremony.
- KEPCO/GUP achieves financial close on September 30, 2022.
- Obtained DPW heavy haul permit on Feb. 3, 2023

Ongoing / Pending:

- Design / Permitting
  - ✓ Construction
    - Power Plant – All 6 phases of plant building construction permits were issued by Oct. 2022.
    - Pipeline – Excavation and pipeline installation continues at Nimitz and within Tiyan along Route 8 towards airport. Encroachment permit awaiting DPW director signature for all locations with all documents submitted. Initiated additional work area along Cesario Street south of Sgt. Roy T. Damien. Obtained DZSP clearance and started construction along Route 6.
    - Transmission Line – design and material specifications under review. Anticipating construction early 2023 pending permit approval.
- Procurement – initiating other equipment procurement
  - Existing Pipeline Cleaning & Demolition – GPA continues to work with GEPA on a Land Use Control document regarding Route 16 (Airport) to Route 34 abandonment plan.

General Manager's Report (cont'd)

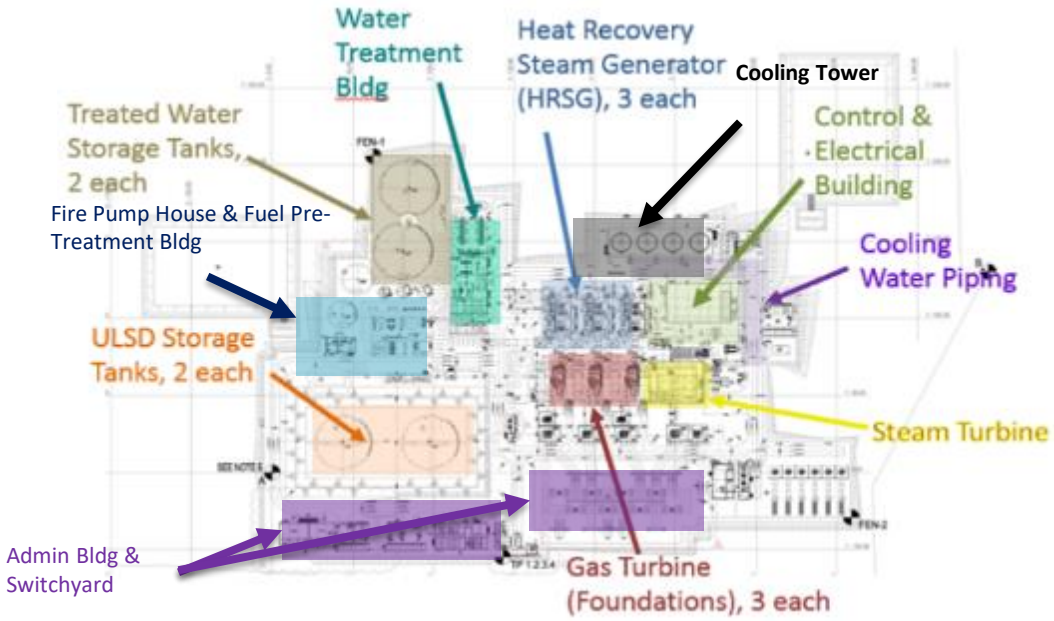
11. New Power Plant Update: GUP Activities (Contractor) *continued*

Ongoing / Pending: *(continued)*

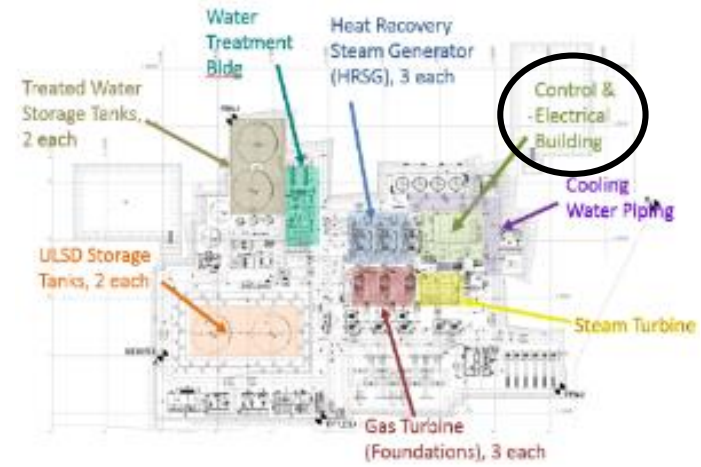
- Reserve Facility – CCU approves cancellation of Reserve Facility. GUP to amend ECA pending lender approval.
- Schedule Update – Plant and fuel pipeline continue to progress with concerns on potential schedule impact due to pipeline progress.
- Transportation Logistics – EPC continues to work with DPW on transport plan from Port to Ukudu site.
  - Bridge analysis dictating required transport equipment.
  - Temporary bridge delivered as required by DPW as backup for any bridge damage due to limited alternate routes in some areas.
  - Transportation will take several hours over several days to move HRSG modules and will affect traffic during movement.
  - Weekly meetings being held to discuss plans and requirements.
  - 25 heavy cargo movements expected thru April 2023
  - Demonstration of the Self-Propelled Modular Transporter (SPMT) was provided to DPW, GUP, DUP and GPA representatives on Oct. 27 at the Port.
  - First heavy cargo shipment arrived on Guam on Nov. 2 which contains the 12 HRSG modules. It is being stored at the Port.
  - Doosan team has hired media group to provide public outreach.
  - Heavy haul transportation ongoing. First transport began Feb 4th.
  - New heavy cargo such as Gas Turbine, generator and generator transformers will arrive at the port in February and thru March.

Ukudu Power Plant Construction Status

Construction work ongoing with Control & Electric Building, Heat Recovery Steam Generator Main Stacks, Fuel Storage Tanks, Fire Water Tank, Fuel Pre-Treatment Area, Water Treatment Tanks, Gas Turbine Building, Steam Turbine Foundations, and Water Treatment Building. Further progress made on Cooling Tower Foundation and Switchyard Foundations. Currently receiving HRSG modules at site.



Ukudu Power Plant Construction Status



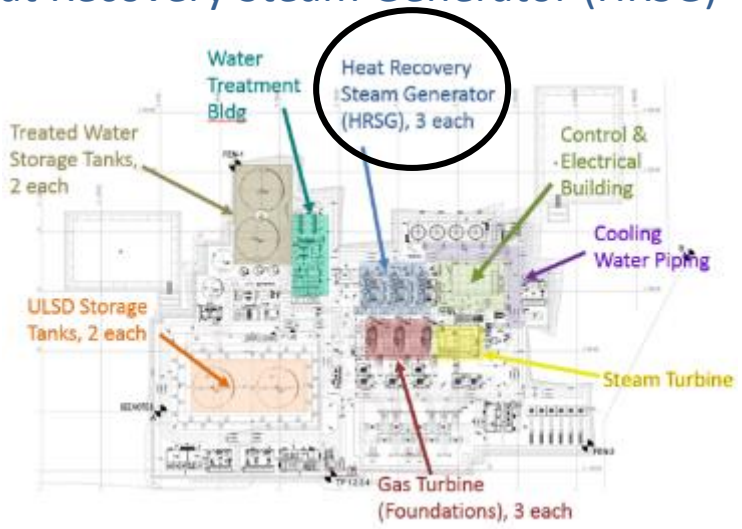


Control & Electrical Building – Building Erection



Ukudu Power Plant Construction Status

Heat Recovery Steam Generator (HRSG) – Foundation work nearly complete



All 3 HRSG Inlet Ducts installed and awaiting HRSG modules



HRSG (#1 of 3): Main Stack installed



HRSG (#2 of 3): Preparation for Main Stack Installation

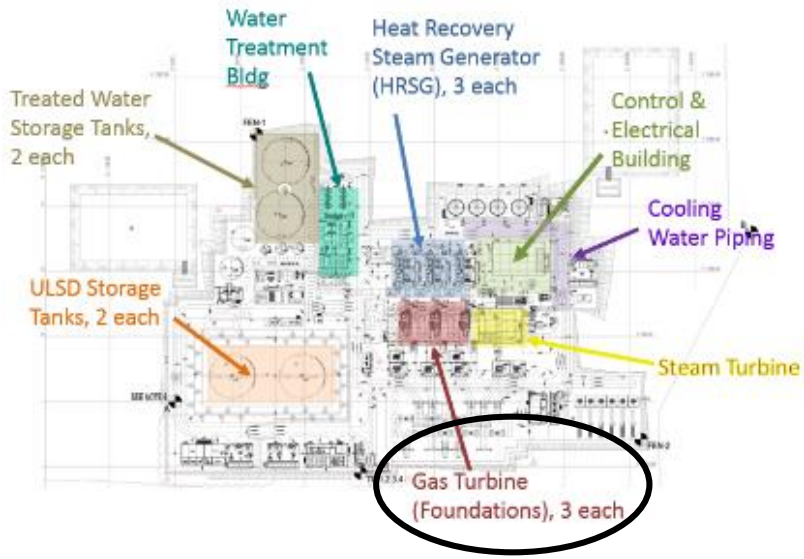




HRSG (#3 of 3): Preparation for Main Stack Installation

Ukudu Power Plant Construction Status

Gas Turbines & Generators



GTG #1- Building Erection In Progress (Foundation Work Complete)





GTG #2 – Foundation Work Ongoing



GTG #3 - Foundation Work Ongoing



Ukudu Power Plant Construction Status

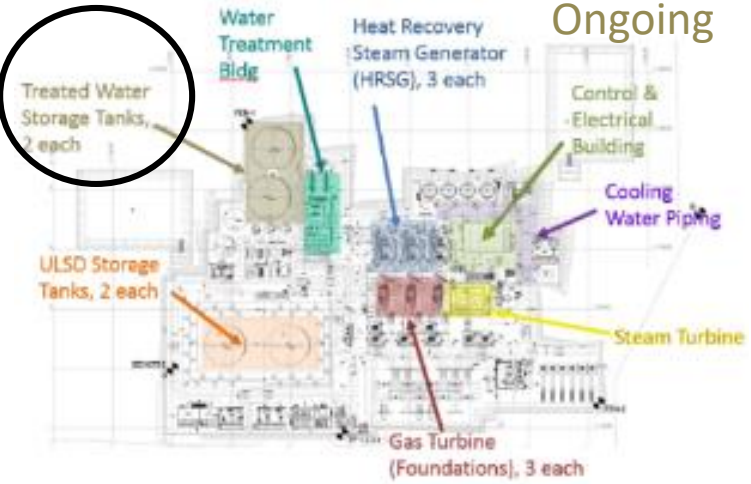
Treated Water Storage Tank 2 – 3rd Row of Steel Plates Currently Being Welded





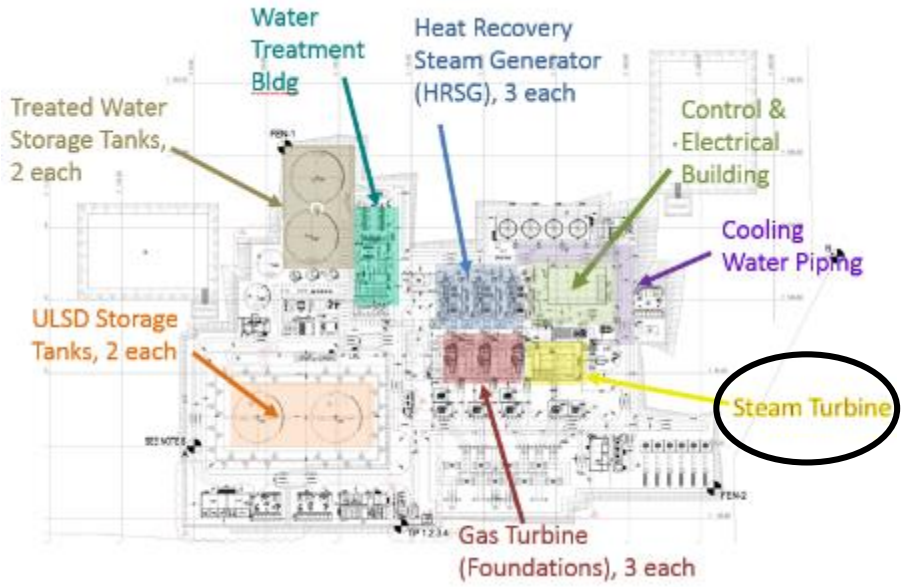


Treated Water Storage Tank 1 – 2nd Row of Steel Plates Welding Ongoing





Ukudu Power Plant Construction Status



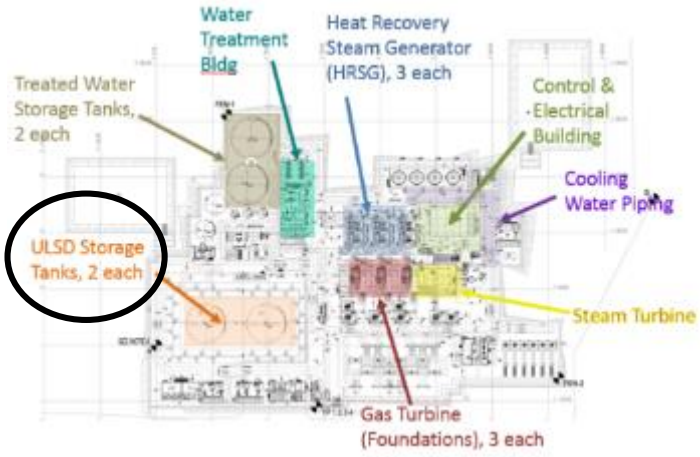
Steam Turbine Foundation – Setting Forms for STG Pedestal (Concrete Pour for Condenser Complete)



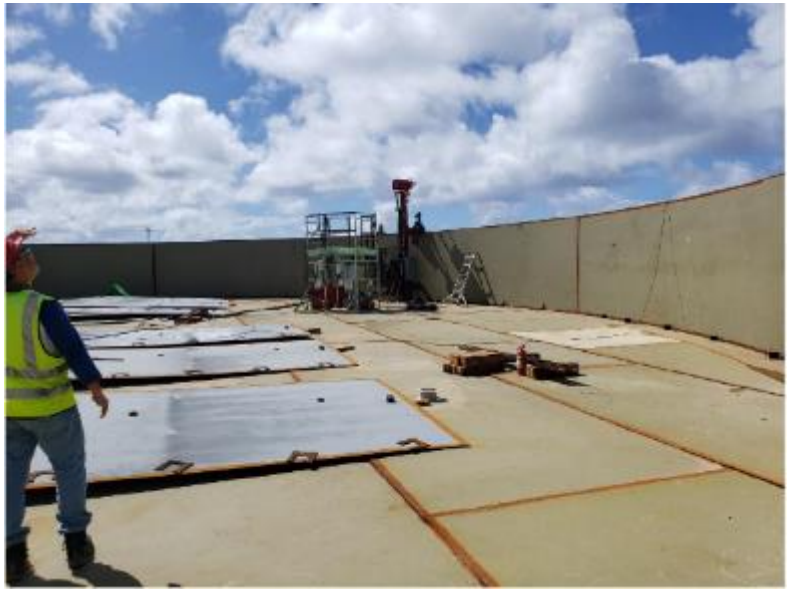




Ukudu Power Plant Construction Status



ULSD Storage Tank B–1 st Row of Steel Plates Currently Being Welded



ULSD Storage Tank A–Bottom Steel Plates Installed

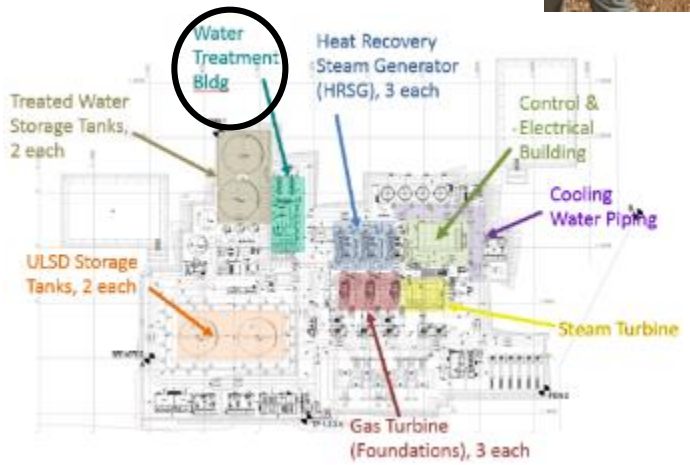


Ukudu Power Plant Construction Status

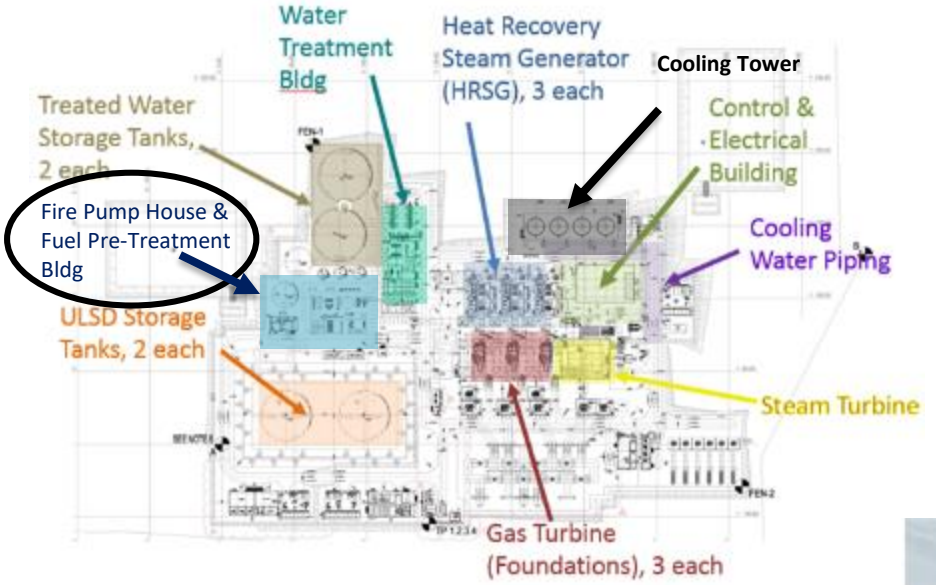
Water Treatment Building – Rebar Work In Progress







Ukudu Power Plant Construction Status



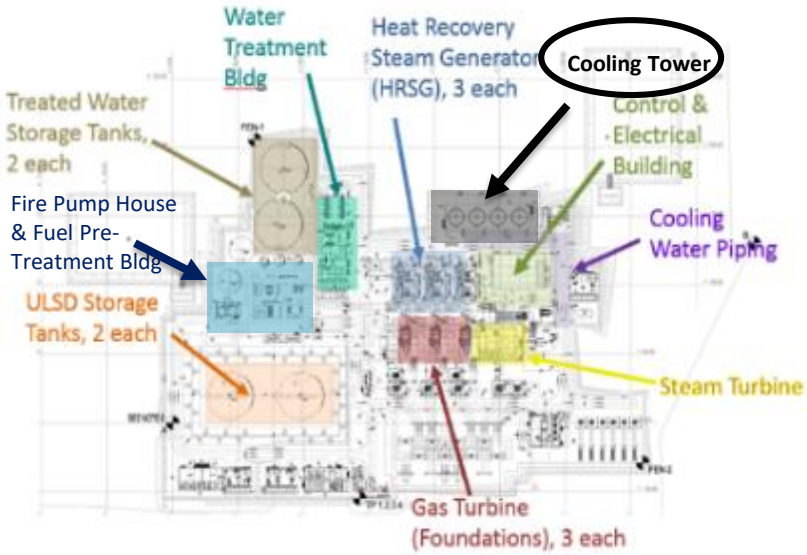
Fuel Pre-Treatment Bldg– Rebar Work Ongoing



Fire Pump House – Forms Being Installed



Ukudu Power Plant Construction Status



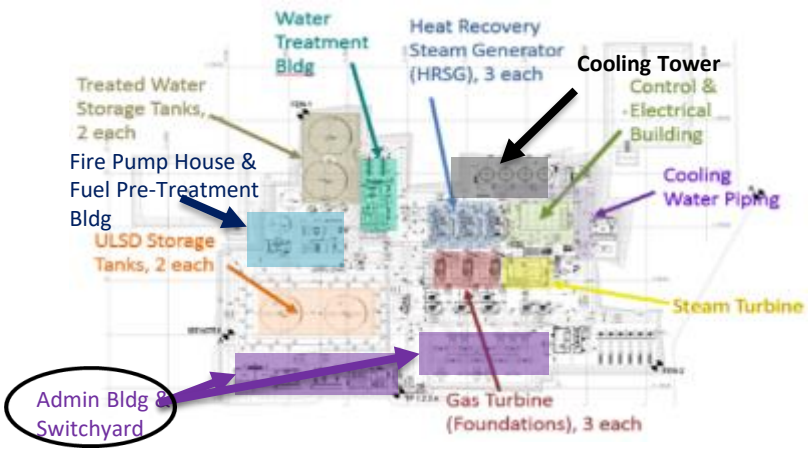


Cooling Tower & Pump – Marking Locations for Stack Installation





Ukudu Power Plant Construction Status



Switchyard – Foundation work ongoing



Admin Building – Excavation work ongoing



Off Shore Progress

Major equipment updates include shipment of Gas Turbine Unit #3, Bypass Stack Units 1-3, Stack Units 1-3, and Platform Units 1-3. Other progress is noted below:



GTG Unit #3 shipping in progress. Expected arrival Feb 20, 2023



Steam Turbine Generator Gearbox packing



Distributed Control System manufacturing in progress



HRSG CEMS function test



Transformer manufacturing



HRSG Manual valve & MOV manufacturing completed

Transportation

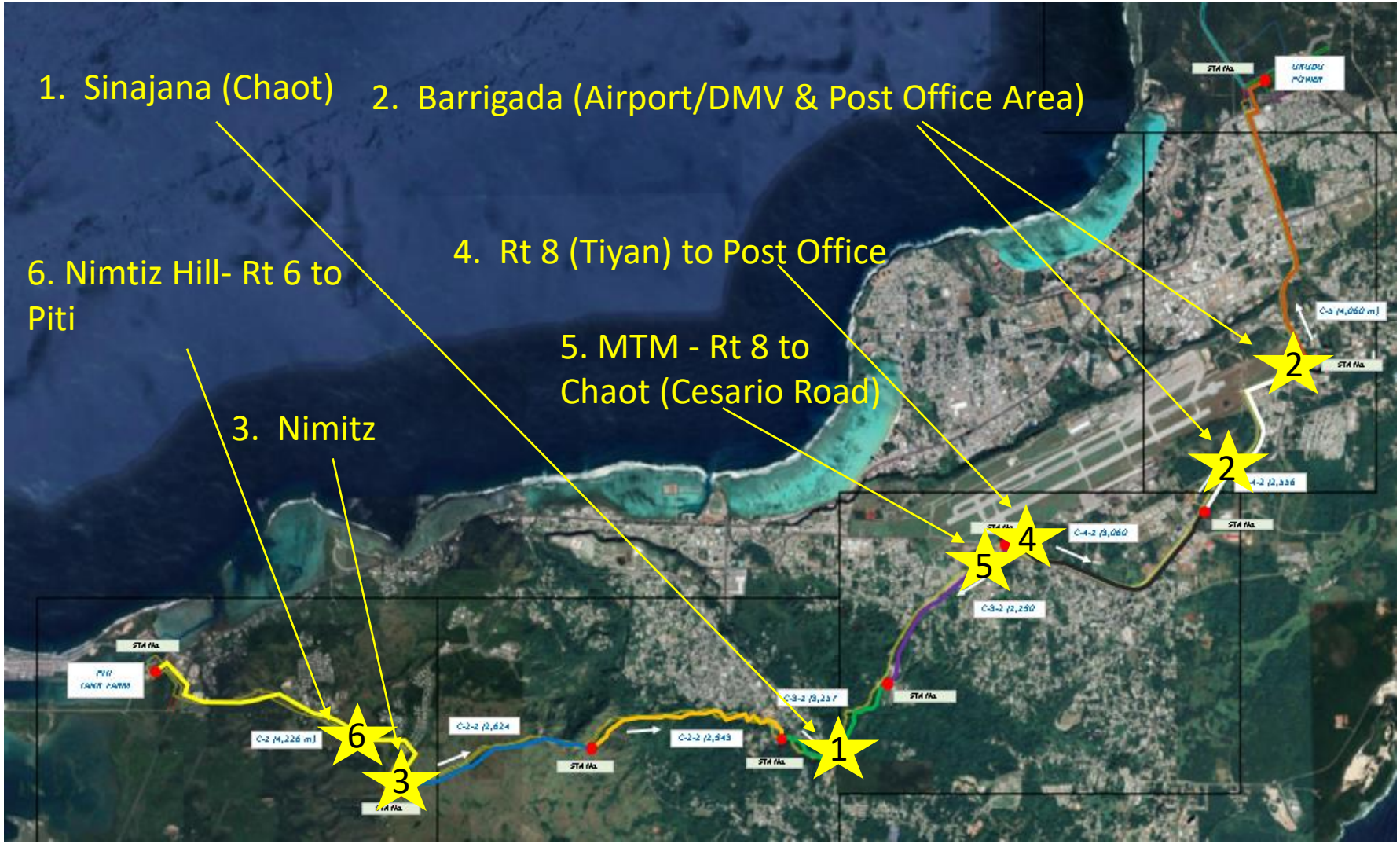
Four shipments of heavy cargo requiring the self-propelled modular transport and DPW permit for the heavy haul are listed below:

No.	Heavy Cargo Description	Arrival Date
1	Heat Recovery Steam Generator (HRSG) Modules (3 units x 4 modules = 12 pieces)	Nov. 2, 2022 (Currently being transported to Ukudu)
2	Gas Turbine #1 , GT #1 Generator, Gas Turbine #2, GT #2 Generator	Early Feb. 2023
3	Gas Turbine Generator Transformer (3 each) & Steam Turbine Generator Transformer	Mid-Feb. 2023
4	Gas Turbine #3 , GT #1 Generator	End of Feb. 2023
5	Assembled Steam Turbine IP/LP, Hydraulic Power Unit, Condenser	April 2023

GUP obtained heavy haul transportation permit from DPW. First transport took place February 4th. More information available on www.poweronthmove.org



Fuel Pipeline Construction Status



Fuel Pipeline Construction Status

1. Chaot area (100 M)

Initial test area completed final compaction in Aug 2022.



2. Barrigada - Airport / Across DMV

All pipeline installation and backfilling near Airport fencing complete



2. Barrigada – Near Post Office

Pipe installation ongoing. Backfilling completed areas in progress.





Fuel Pipeline Construction Status

3. Nimitz

Pipeline installation and backfilling in progress







4. Rt 8 (Tiyan) to Post Office

Pipeline installation and backfilling ongoing.







Fuel Pipeline Construction Status

5. MTM - Rt 8 to Chaot (Cesario St.)

Pipe installation in progress from Rt 8 to Sgt. Roy T. Damien Street.
Excavation preparation in progress from Sgt. Roy T. Damien Street to Chaot







6. Nimtiz Hill- Rt 6 to Piti

Excavation and road work started on Rt 6.

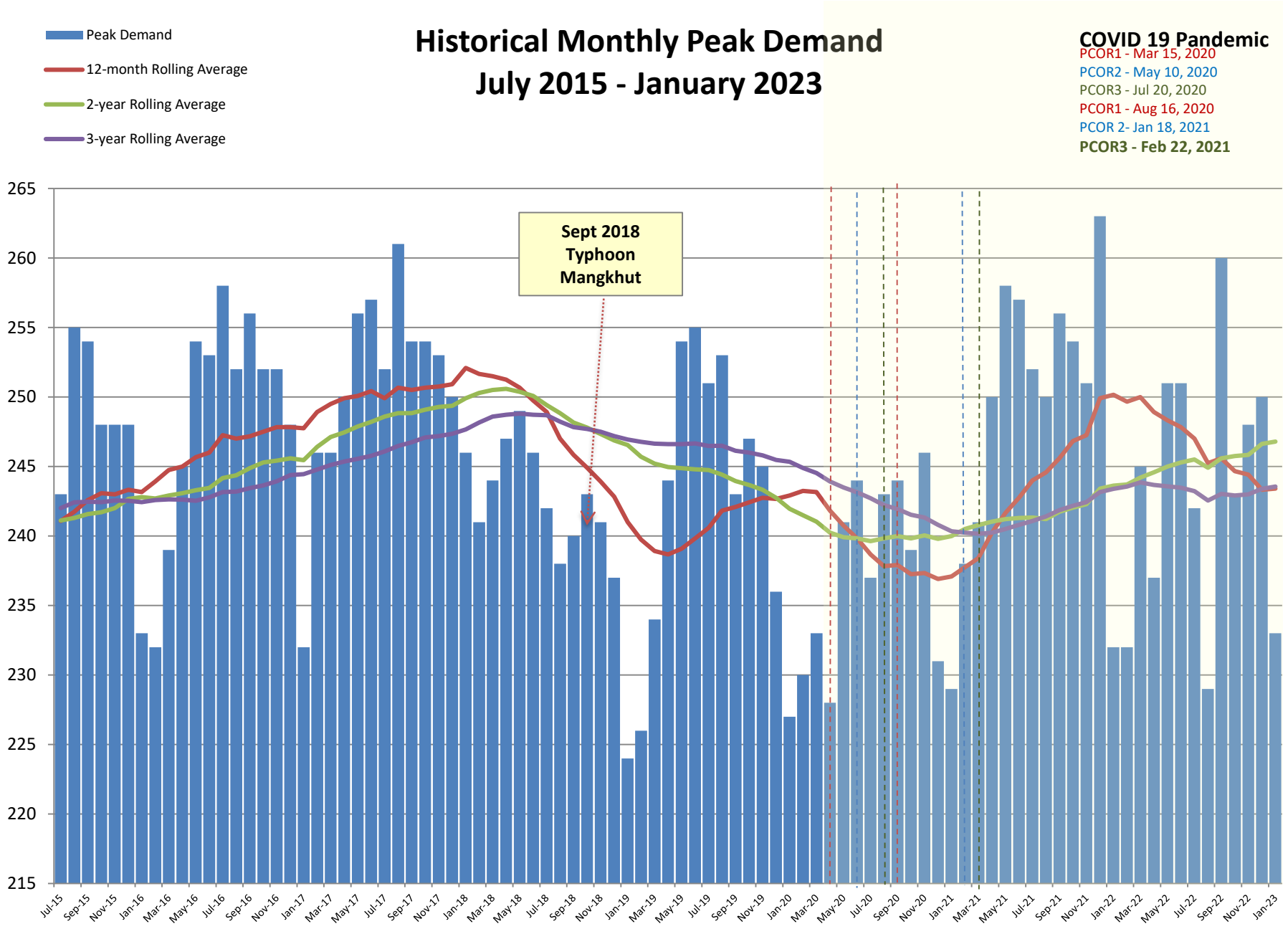






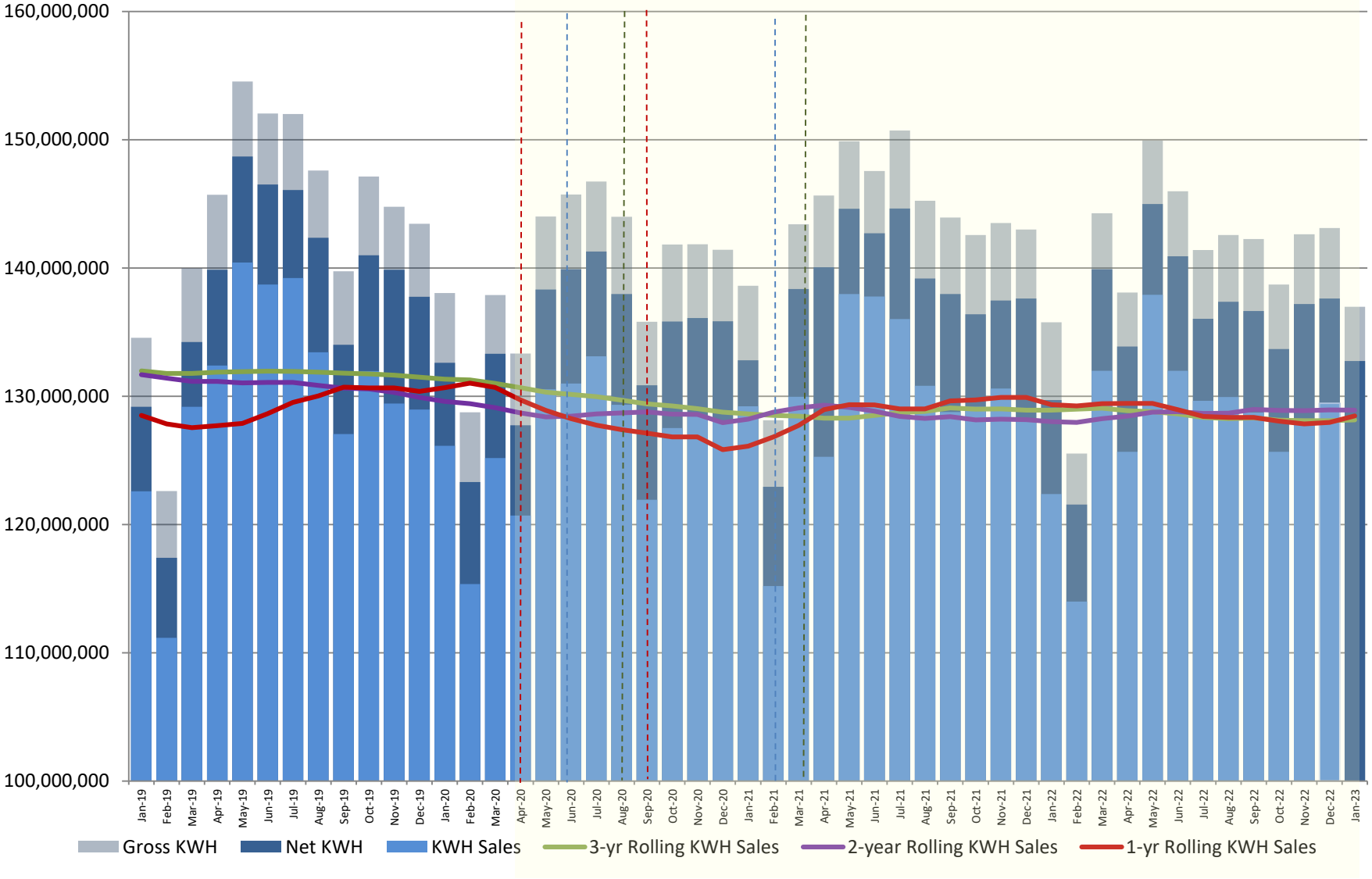
12. Generation KPIs Update JANUARY 2023

Historical Monthly Peak Demand
July 2015 - January 2023

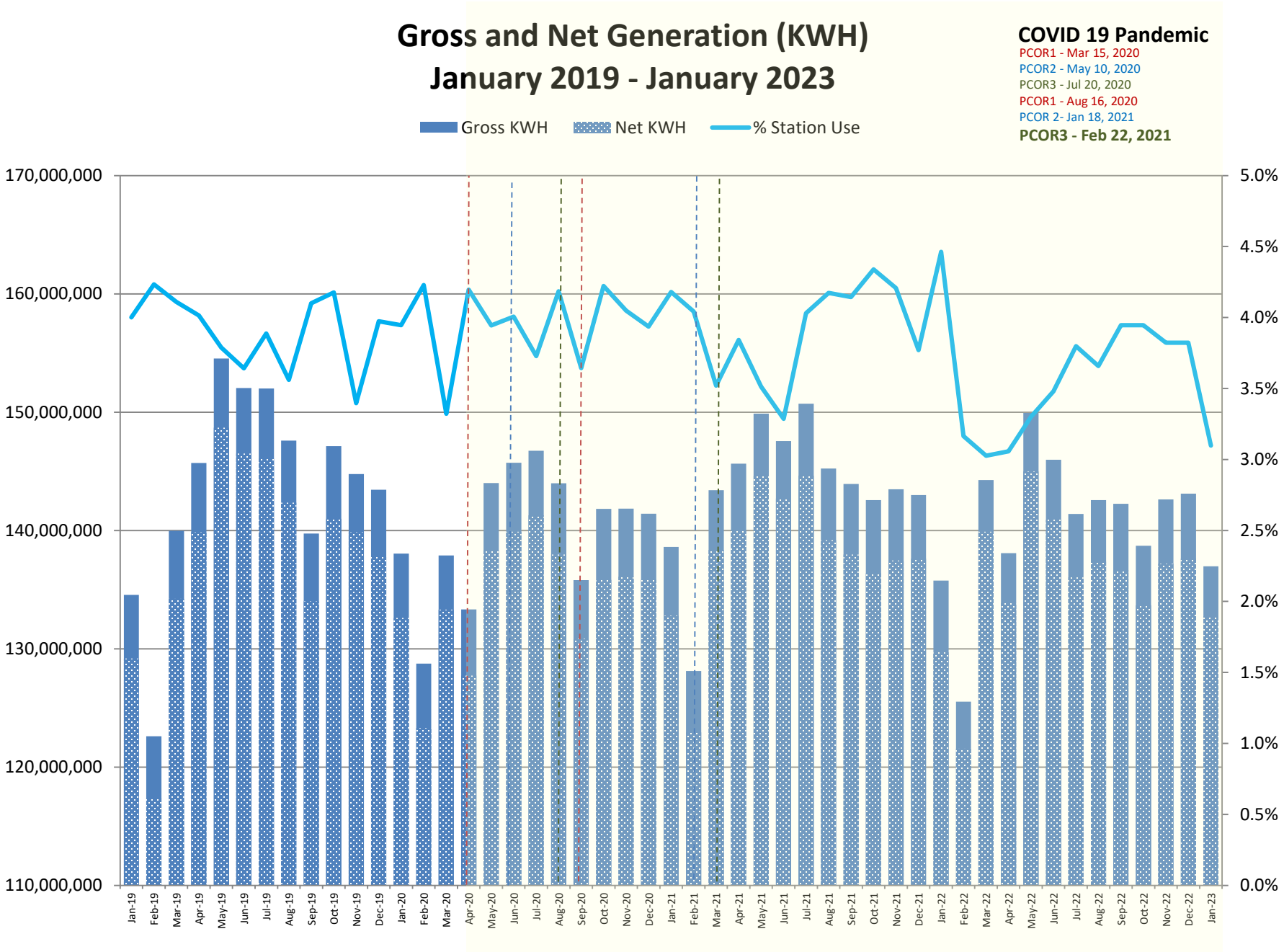


Historical KWH Sales
January 2019 - January 2023

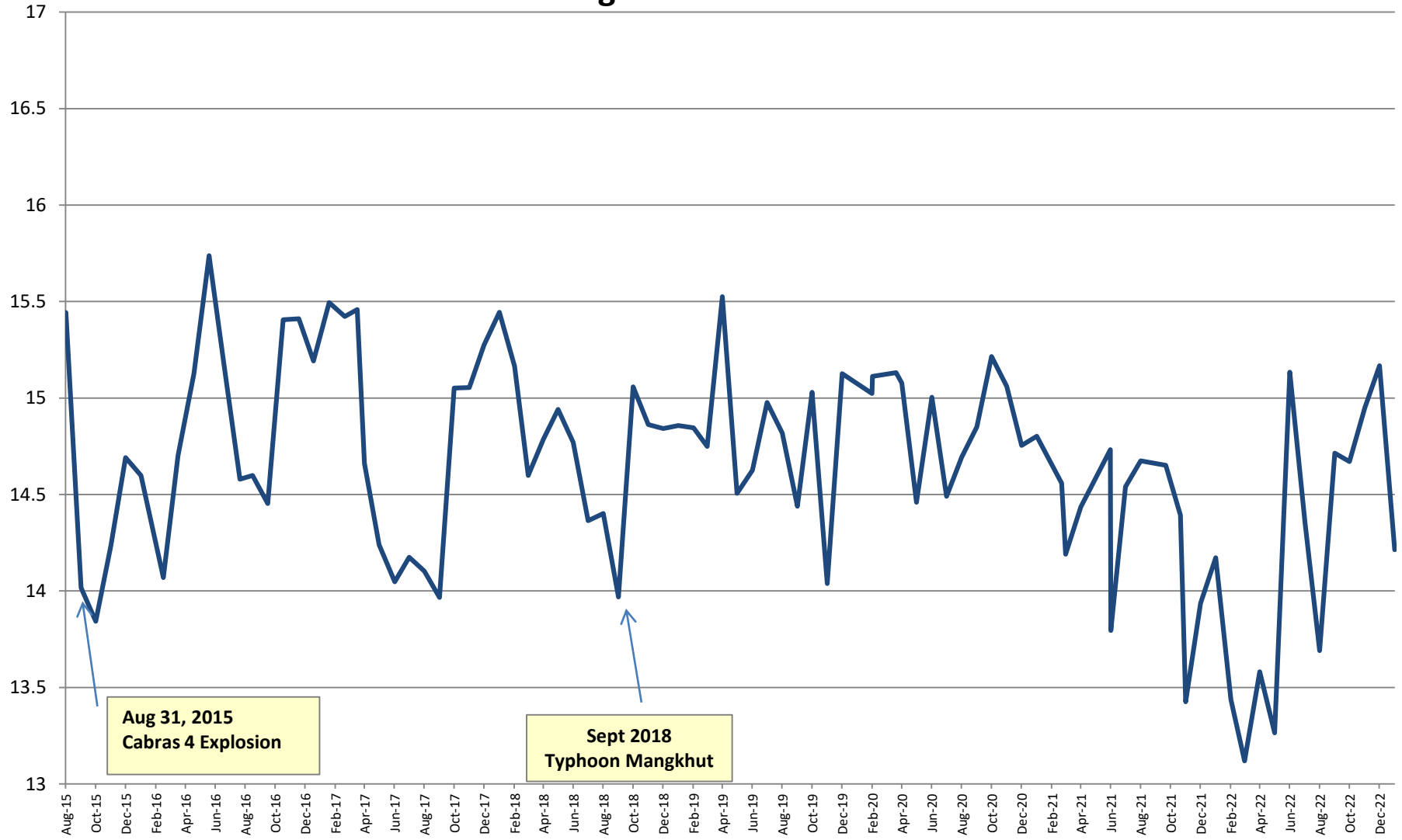
COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021



Gross and Net Generation (KWH)
January 2019 - January 2023

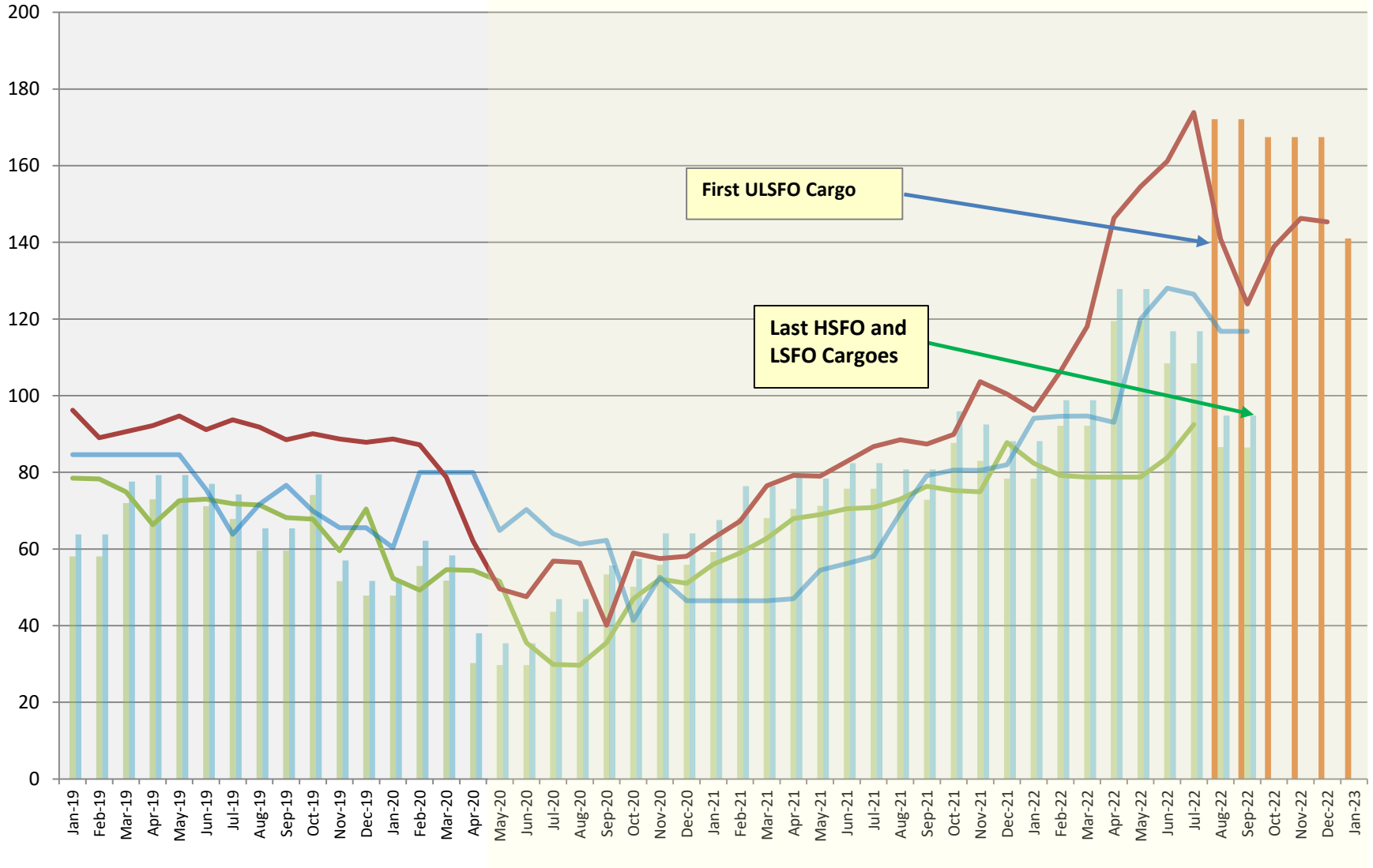


SYSTEM GROSS HEAT RATE
(KWH/Gal)
Aug 2015 - Jan 2023



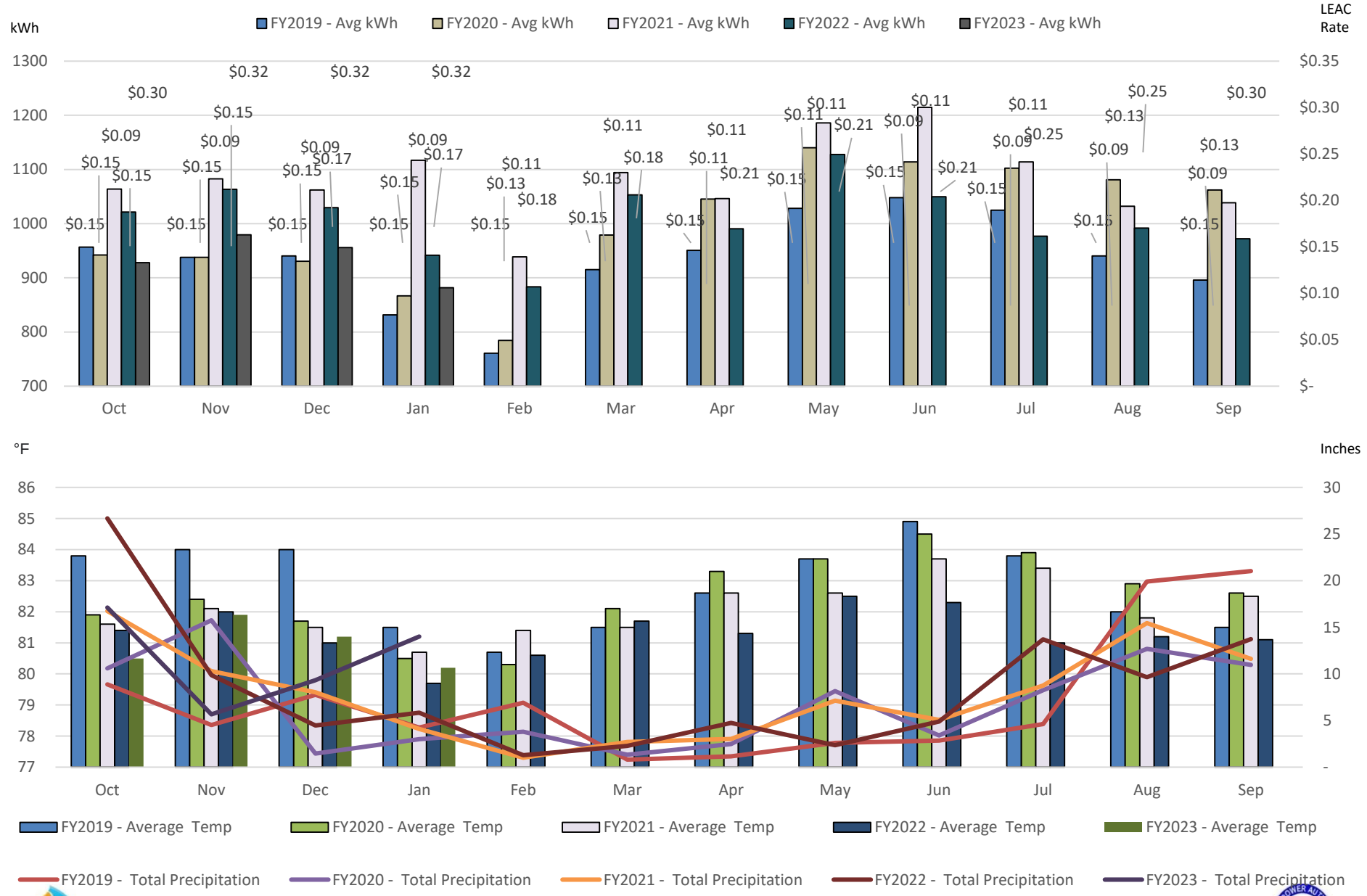
Fuel Cargo and Fuel Consumption Costs ($/bbl)
January 2019 - January 2023

COVID 19 Pandemic
PCOR1 - Mar 15, 2020
PCOR2 - May 10, 2020
PCOR3 - Jul 20, 2020
PCOR1 - Aug 16, 2020
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021



CFO
FINANCIAL HIGHLIGHTS
January 2023

Residential average kWh & Weather Chart



Residential average kWh & LEAC Rate

Avg kWh	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY 2019	957	938	940	831	761	915	951	1,028	1,048	1,025	940	896
FY2020	942	938	931	867	785	979	1,046	1,140	1,114	1,103	1,081	1,062
FY2021	1,064	1,083	1,062	1,117	939	1,094	1,046	1,186	1,215	1,114	1,032	1,038
FY2022	1,021	1,063	1,030	942	883	1,053	991	1,128	1,050	977	992	972
FY2023	928	979	956	882								
Average	982	1,000	984	939	842	1,010	1,008	1,121	1,107	1,055	1,011	992

LEAC Rate	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY 2019	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542
FY2020	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1542	$ 0.1345	$ 0.1345	$ 0.1100	$ 0.1100	$ 0.0868	$ 0.0868	$ 0.0868	$ 0.0868
FY2021	$ 0.0868	$ 0.0868	$ 0.0868	$ 0.0868	$ 0.1100	$ 0.1100	$ 0.1100	$ 0.1100	$ 0.1100	$ 0.1100	$ 0.1304	$ 0.1304
FY2022	$ 0.1508	$ 0.1508	$ 0.1715	$ 0.1715	$ 0.1808	$ 0.1808	$ 0.2095	$ 0.2095	$ 0.2095	$ 0.2516	$ 0.2516	$ 0.2960
FY2023	$ 0.2960	$ 0.3186	$ 0.3186	$ 0.3186								

Hotel kWh & Occupancy Rate

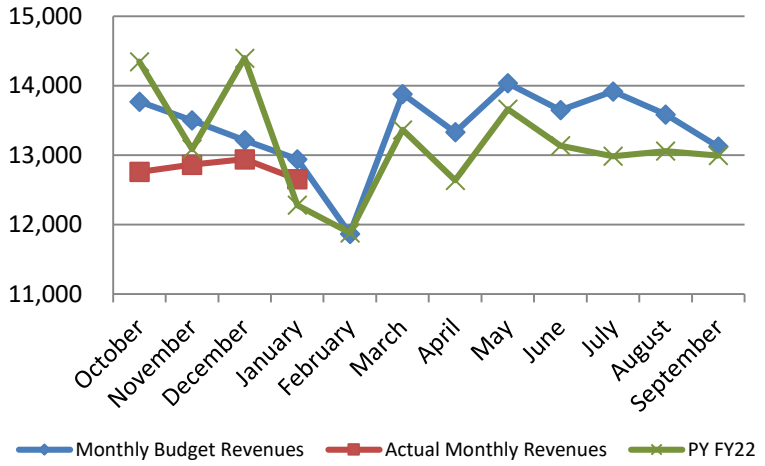
mWh Hotels	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY2019	10,826	10,628	10,494	10,175	8,965	9,443	10,565	10,741	10,066	11,494	10,170	10,397
FY2020	10,316	9,801	10,508	9,848	9,627	8,319	7,044	6,826	7,309	7,645	7,520	7,063
FY2021	7,045	7,379	7,596	6,973	6,270	6,863	7,326	7,152	7,521	7,841	7,906	7,560
FY2022	6,973	7,346	7,041	6,921	6,419	6,964	6,850	7,451	7,683	7,959	8,071	7,821
FY2023	7,802	7,921	8,251	8,031								

Occupancy Rate	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FY2019	85.9	85.9	85.9	91.4	91.4	91.4	84.8	84.8	84.8	92.0	92.0	92.0
FY2020	89.9	89.9	89.9	73.7	73.7	73.7	34.7	34.7	34.7	27.1	27.1	27.1
FY2021	38.7	38.7	38.7	51.4	51.4	51.4	41.3	41.3	41.3	52.4	52.4	52.4
FY2022	45.9	45.9	45.9	56.0	56.0	56.0	54.0	54.0	54.0	66.8	66.8	66.8
FY2023												

Note: Data from 22 hotels in schedule P. 1 hotel closed its doors on Oct. 2021. Occupancy rate from GVB Visitor Arrival Statistic.

January 2023 Monthly Financial Highlights

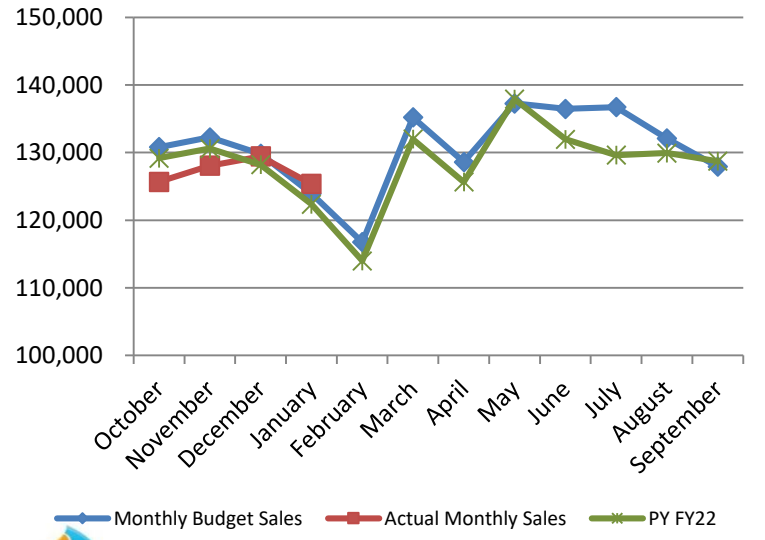
Base Rate Revenue (in '000)



Through January 31, 2023

$000	Monthly Budget Revenues	Actual Monthly Revenues	Variance		PY FY22	CY vs PY Variance	
October	13,769	$ 12,757	$ (1,013)	↑	$ 14,345	$ (1,589)	↓
November	13,500	12,861	$ (638)	↑	13,085	$ (223)	↓
December	13,214	12,940	$ (274)	↑	14,396	$ (1,456)	↓
January	12,939	12,651	$ (288)	↑	12,278	$ 374	↑
February	11,866				11,879		
March	13,880				13,364		
April	13,329				12,636		
May	14,033				13,661		
June	13,646				13,134		
July	13,916				12,983		
August	13,585				13,056		
September	13,122				12,992		
Total	**$ 160,800**	**$ 51,210**	**$ (2,212)**		**$ 157,808**	**$ (2,895)**	

MWH Sales (in 'mWh)

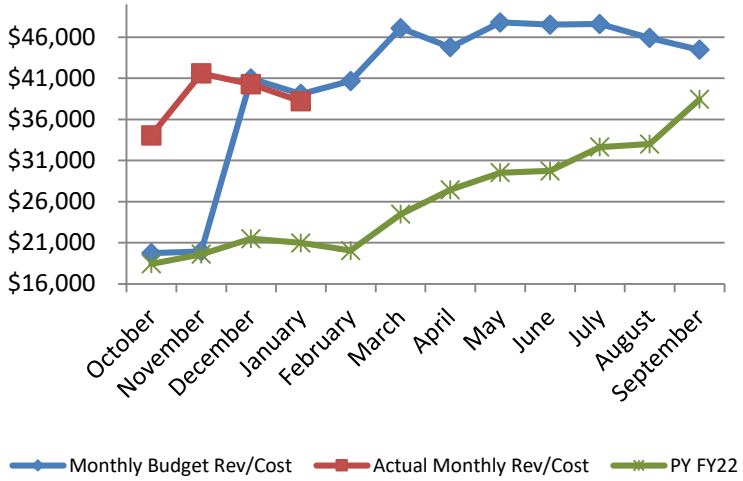


Through January 31, 2023

$000	Monthly Budget Cost	Actual Monthly Cost	Variance		PY FY22	CY vs PY Variance	
October	6,367	5,712	655	↑	4,979	(733)	↓
November	6,923	6,120	802	↑	6,039	(82)	↓
December	7,415	6,518	898	↑	6,569	52	↑
January	6,663	5,846	817	↑	5,434	(412)	↓
February	6,392				5,353		
March	7,814				6,818		
April	7,582				5,931		
May	7,508				6,369		
June	7,665				6,353		
July	7,148				6,028		
August	7,578				6,779		
September	7,380				5,859		
Total	**$ 86,435**	**$ 24,196**	**$ 3,172**		**$ 72,512**	**$ (1,175)**	

January 2023 Monthly Financial Highlights (Continued)

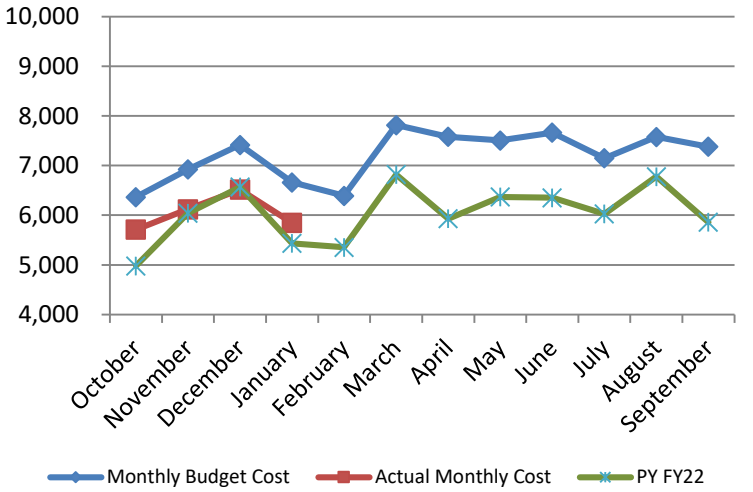
Fuel Revenues (in '000)



Through January 31, 2023

$000	Monthly Budget Rev/Cost	Actual Monthly Rev/Cost	Variance		PY FY22	CY vs PY Variance	
October	$ 19,726	$ 34,062	14,336	↑	$ 18,431	15,631	↑
November	19,943	41,593	21,650	↑	19,600	21,993	↑
December	40,967	40,281	(686)	↓	21,475	18,806	↑
January	39,102	38,205	(897)	↓	20,978	17,227	↑
February	40,669				20,043		
March	47,094				24,465		
April	44,794				27,433		
May	47,811				29,517		
June	47,532				29,731		
July	47,617				32,646		
August	45,916				32,999		
September	44,467				38,433		
Total	**$ 485,639**	**$ 154,141**	**$ 34,402**		**$ 315,753**	**$ 73,657**	

O&M Costs (in '000)



Through January 31, 2023

$000	Monthly Budget Cost	Actual Monthly Cost	Variance		PY FY22	CY vs PY Variance	
October	6,367	5,712	655	↑	4,979	(733)	↓
November	6,923	6,120	802	↑	6,039	(82)	↓
December	7,415	6,518	898	↑	6,569	52	↑
January	6,663	5,846	817	↑	5,434	(412)	↓
February	6,392				5,353		
March	7,814				6,818		
April	7,582				5,931		
May	7,508				6,369		
June	7,665				6,353		
July	7,148				6,028		
August	7,578				6,779		
September	7,380				5,859		
Total	**$ 86,435**	**$ 24,196**	**$ 3,172**		**$ 72,512**	**$ (1,175)**	

January 2023 Monthly Financial Highlights (Continued)

Through January 31, 2023													
	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022	1Q2023	1Q2023
Residential	44,509	45,069	44,191	44,503	44,575	45,247	45,229	45,224	45,283	45,261	45,315	45,370	45,466
Commercial	5,352	5,309	5,366	5,301	5,307	5,330	5,336	5,349	5,367	5,368	5,373	5,425	5,433
Government	1,059	1,061	1,081	1,063	1,060	1,049	1,056	1,069	1,077	1,079	1,087	1,088	1,093
Streetlights	1,128	1,139	1,132	1,133	1,132	1,132	1,131	1,160	1,158	1,156	1,163	1,167	1,164
Navy	1	1	1	1	1	1	1	1	1	1	1	1	1
Total	**52,049**	**52,579**	**51,771**	**52,001**	**52,075**	**52,759**	**52,753**	**52,803**	**52,886**	**52,865**	**52,939**	**53,051**	**53,157**

Debt service coverage (DSC) calculation-indenture	2018	2019	2020	2021	2022	2023
Senior lien coverage	2.53	1.78	1.42	1.54	1.87	1.61
Debt service coverage (DSC) calculation-IPP as O&M						
Senior lien coverage	1.65	1.46	1.23	1.49	1.87	1.61

January 2023 Monthly Financial Highlights (Continued)

