

CCU Regular Board Meeting

Presentation to:

Consolidated Commission on Utilities
October 22, 2024

GM REPORT

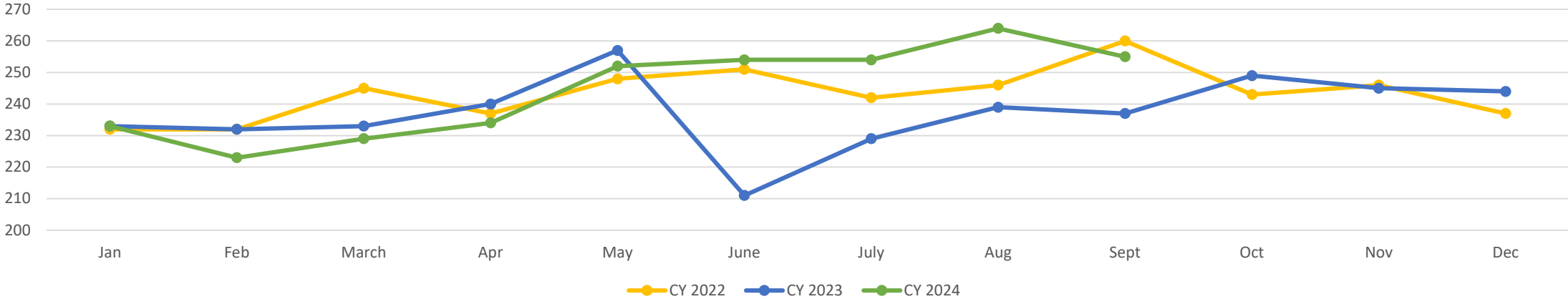
General Manager's Report

Reserve Margin Forecast for November 2024:

Targeted Available Capacity:	297 MW (All Baseloads Available)
Projected Demand:	245 MW
Anticipated Reserve Margin:	52 MW
Interruptible Load Availability:	16 MW
Navy Assistance (Orote)	12 MW
Total Reserves:	80 MW

System Peak Demand:

MONTHLY PEAK DEMAND
THRU September 30, 2024



General Manager's Report

GPA Fuel Landed Cost (Per Barrel as of October 17, 2024)

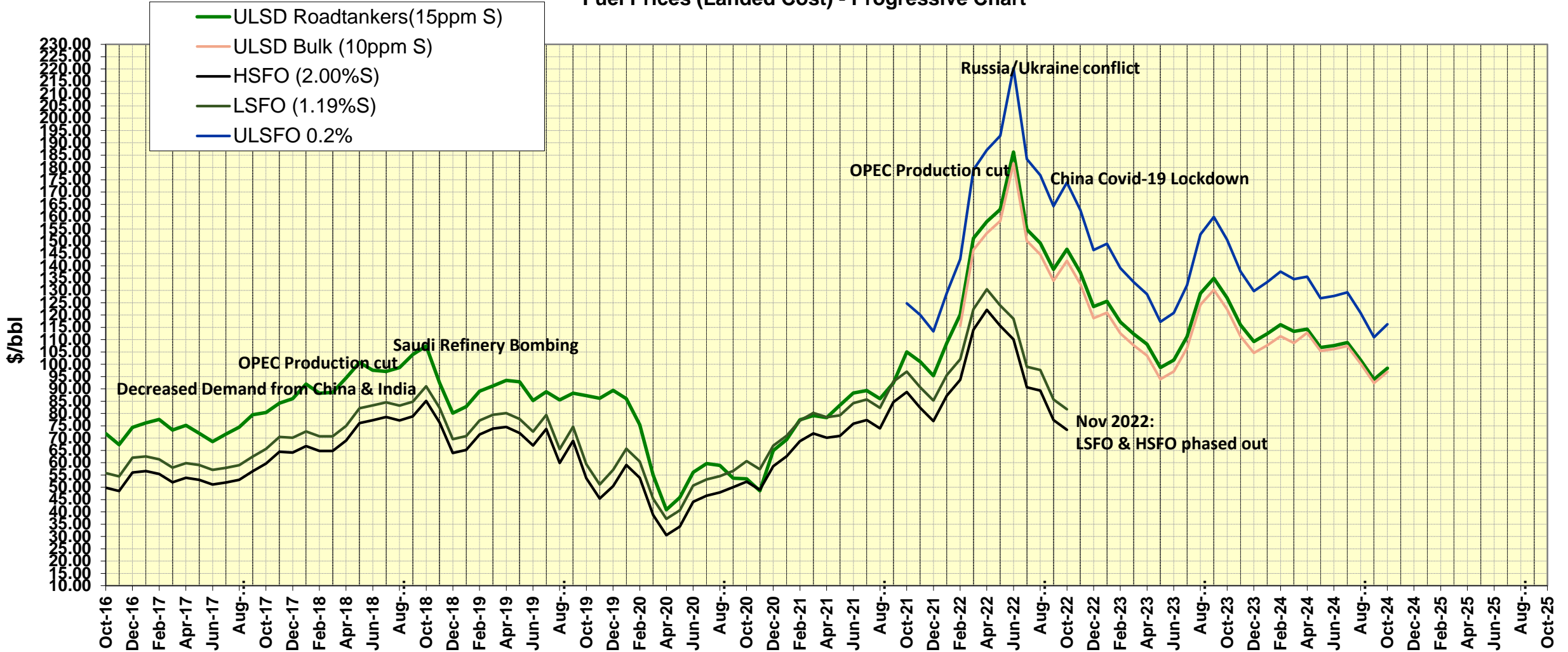
ULSRFO 0.2%

\$116.30

ULSD Bulk

\$96.94

Fuel Prices (Landed Cost) - Progressive Chart



General Manager's Report

PUC Update:

Dockets heard and passed in August and September:

- Docket No. 24-20 Petition to Maintain the Levelized Energy Adjustment Clause (LEAC) for the Period of August 1, 2024 through January 31, 2025
- Docket No. 24-21 Petition to Approve the Contract with TEMES, Inc. to Overhaul Piti 7
- Docket No. 24-23 Petition to Approve the Bond Financing Savings Utilization
- Docket No. 24-27 Approval for the Repair and Overhaul of the Navy-owned Orote Power Plant - Notice to the PUC

Upcoming Dockets:

- Docket No. 24-22 Petition to Approve the Construction of the New Transmission & Distribution Facility
- Docket No. 24-24 Petition to Approve the Purchase of the Water Systems Diesel Generators (Medium)
- Docket No. 24-25 Petition to Approve Phase IV Renewable Energy Acquisition Award to KEPCO-EWP- SAMSUNG C&T Consortium and Core Tech Solar Energy LLC, up to 192 MW of Renewable Energy Capacity
- Docket No. 24-26 Petition to Approve GPA's Revenue-Funded Capital Improvement Project Ceiling Cap for 2025
- Docket No. 25-01 Petition to Approve the Purchase of Water Systems Diesel Generators (Large)
- Docket No. 25-02 Petition to Approve Procurement of Services to Design and Build Infrastructure for and Services to Install, Test and Commission Piti Substation T-7 Power Transformer as Part of the Replacement Project
- Docket No. 25-03 Petition to Approve Award of Contracts to Supply Ultra-Low Sulfur Diesel (ULSD) to Various Power Generating Plant Site Locations

Pending Dockets:

- Docket No. 24-03 Petition to Review 12 GCA § 8502(c)(2)(B) Relative to Net Metering - this docket will not be heard until further notice.

General Manager's Report

Customer Assistance

Prugrãman Ayuda Para I Taotao-Ta Energy Credit

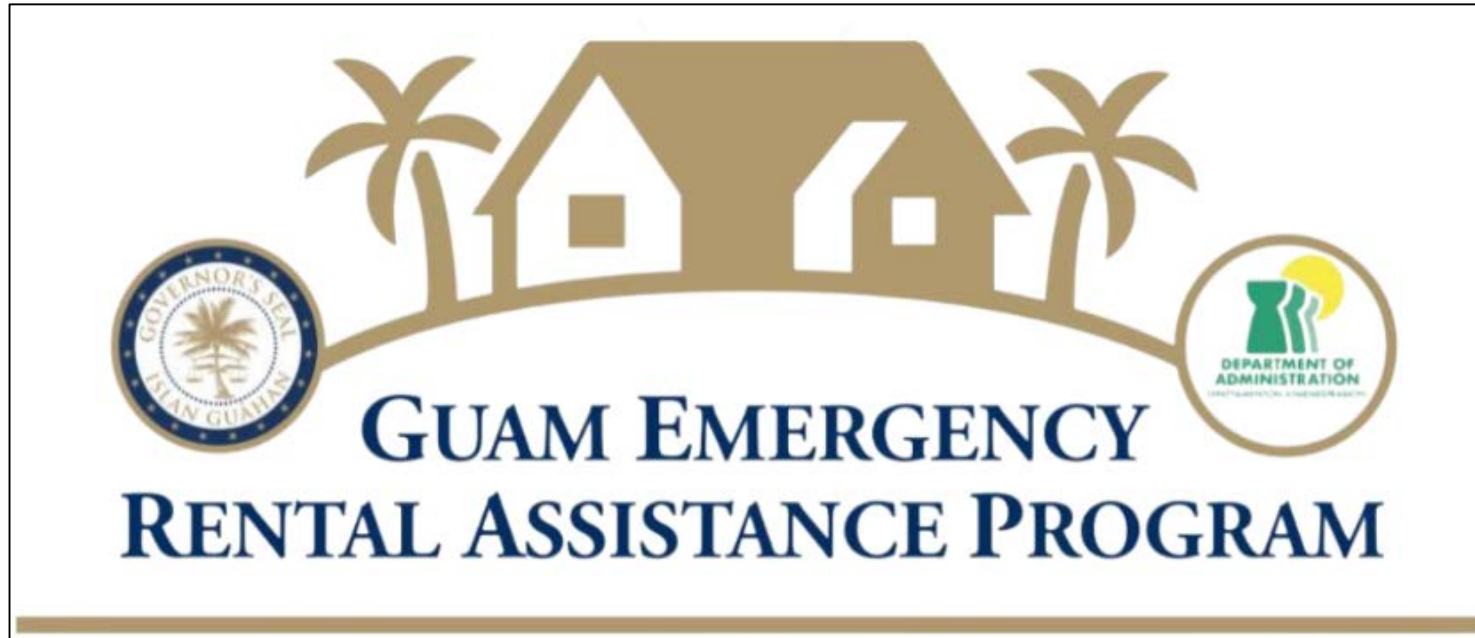
- GPA has received all six allotments for the energy credit program and credits have been applied to all active accounts:
 - First \$100 energy credit (April 2024) received and applied on Thursday, June 13, 2024.
 - Second \$100 energy credit (May 2024) received and applied on Friday, June 21, 2024.
 - Third \$100 energy credit (June 2024) received and applied on Thursday, June 27, 2024
 - Fourth \$100 energy credit (July 2024) received and applied on Saturday, July 27, 2024.
 - Fifth \$100 energy credit (August 2024) received and applied on Tuesday, August 20, 2024.
 - **Sixth \$100 energy credit (September 2024) received and applied on Monday, September 23, 2024**
- Bill No. 357-37 (COR), request to extend the Energy Credit Program an additional three months was introduced by Senator Parkinson on September 16, 2024.
- Extension request are for the months of October, November, and December 2024.

No.	Bill No.	Public Law No.	Date Signed	Amount	Start	End
-	325-36	36-106	07/27/2022	\$500	JUL 2022	NOV 2022
1	357-36	36-123	12/17/2022	\$500	DEC 2022	APR 2023
2	83-37	37-16	05/22/2023	\$500	MAY 2023	SEP 2023
3	173-37	37-49	11/10/2023	\$300	OCT 2023	DEC 2023
4	208-37	37-66	02/26/2024	\$300	JAN 2024	MAR 2024
5	277-37	37-104	06/05/2024	\$600	APR 2024	SEP 2024
6	357-37			\$300	OCT 2024	DEC 2024

\$3,000

General Manager's Report

Customer Assistance *(continued)*



Emergency Rental Assistance Program (ERA)

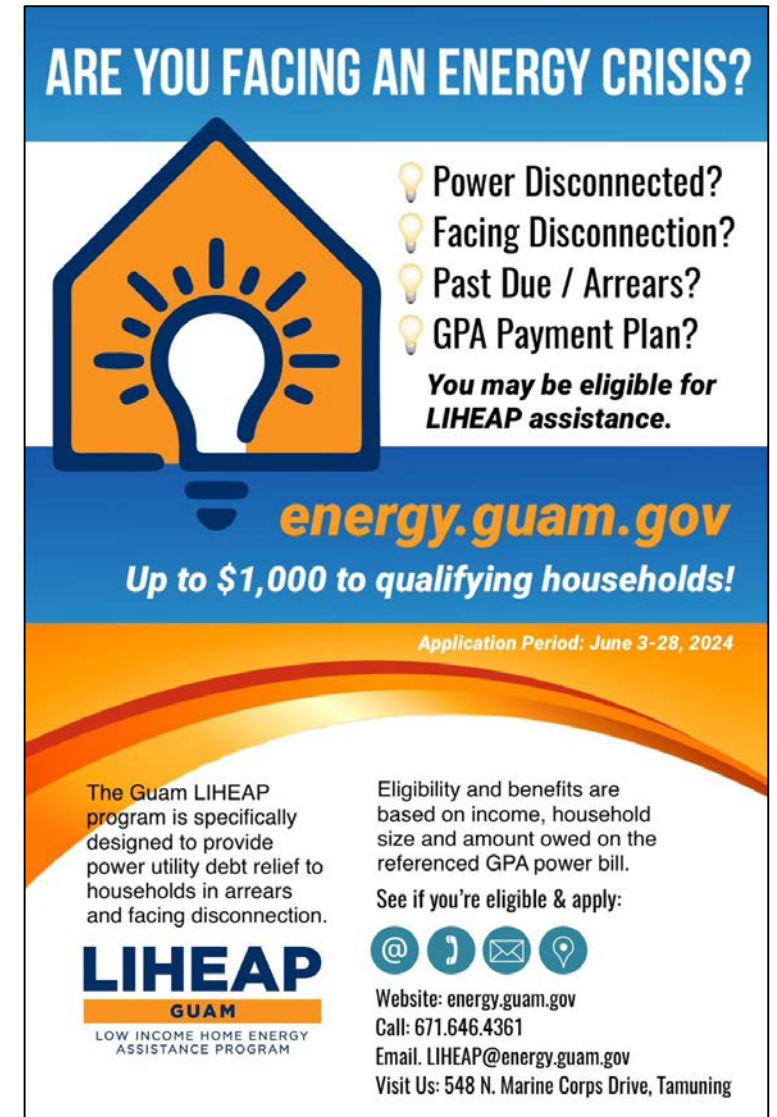
- ERA program launched on March 3, 2021 and as of September 27, 2024, a total of \$7,331,681.38 in assistance has been provided to qualified ratepayer accounts.
- *Cycle 6 application period is now open for a limited time.*

General Manager's Report


Customer Assistance *(continued)*

Low Income Home Energy Assistance Program (LIHEAP)

- The Guam LIHEAP program is specifically designed to provide power utility debt relief to households in arrears and facing disconnection.
- LIHEAP provides a one-time payment of up to \$1,000 to qualifying households facing energy crisis.
- Cycle 3 application period, which ran from August 5, 2024 to September 13, 2024 is now closed.
- Total amount applied since inception of program is \$697,611.93 covering 1,117 ratepayer accounts.



ARE YOU FACING AN ENERGY CRISIS?



- 💡 Power Disconnected?
- 💡 Facing Disconnection?
- 💡 Past Due / Arrears?
- 💡 GPA Payment Plan?

You may be eligible for LIHEAP assistance.

energy.guam.gov


Up to \$1,000 to qualifying households!

Application Period: June 3-28, 2024

The Guam LIHEAP program is specifically designed to provide power utility debt relief to households in arrears and facing disconnection.

Eligibility and benefits are based on income, household size and amount owed on the referenced GPA power bill.

See if you're eligible & apply:



LIHEAP
GUAM
LOW INCOME HOME ENERGY ASSISTANCE PROGRAM

Website: energy.guam.gov
Call: 671.646.4361
Email: LIHEAP@energy.guam.gov
Visit Us: 548 N. Marine Corps Drive, Tamuning

General Manager's Report

Customer Engagement, Community Outreach & Notable Events - 2024 GovGuam Labor Day Picnic on Sunday, September 01, 2024

- GPA participated in the annual GovGuam Labor Day picnic at Ypao Beach Park in Tumon.
- GPA garnered 1st place in both the canopy (hut) and table decoration display competition and 2nd place in the tug-o-war competition.



General Manager's Report

Workforce Succession & Planning Updates



APPRENTICE

GPA graduated its 6th cycle cohort on October 18, 2024. 16 total apprentices received their journeymen level certificates of completion in the trades of Line-Installer Repairer, Electrician, Substation and Relay Technician.

7th cycle cohort program currently in-progress for Transmission & Distribution & Power System Control.

General Manager's Report

DSM Online Report - September 2024

OVERALL COUNTS

Month	ALL			COMMERCIAL			RESIDENTIAL		
	Applications	Equipment	Rebates	Applications	Equipment	Rebates	Applications	Equipment	Rebates
FY-2022	696	983	\$ 196,075	7	12	\$ 1,950	689	971	\$ 194,125
FY-2023	5,721	8,007	\$ 1,621,850	67	101	\$ 19,350	5,654	7,906	\$ 1,602,500
Oct-23	416	572	\$ 115,250	7	12	\$ 1,800	409	560	\$ 113,450
Nov-23	450	649	\$ 128,500	4	5	\$ 700	446	644	\$ 127,800
Dec-23	389	556	\$ 111,650	7	10	\$ 1,950	382	546	\$ 109,700
Jan-24	442	604	\$ 125,800	3	3	\$ 2,550	439	601	\$ 123,250
Feb-24	321	462	\$ 103,475	6	8	\$ 7,100	315	454	\$ 96,375
Mar-24	391	589	\$ 118,650	5	5	\$ 2,450	386	584	\$ 116,200
Apr-24	433	566	\$ 113,350	6	6	\$ 800	427	560	\$ 112,550
May-24	443	638	\$ 126,675	4	4	\$ 600	439	634	\$ 126,075
Jun-24	456	674	\$ 134,800	7	7	\$ 3,850	449	667	\$ 130,950
Jul-24	570	781	\$ 162,525	14	16	\$ 3,500	556	765	\$ 159,025
Aug-24	570	780	\$ 157,950	10	16	\$ 6,450	560	764	\$ 151,500
Sep-24	423	608	\$ 122,025	8	22	\$ 2,650	415	586	\$ 119,375
TOTAL	11,721	16,469	\$ 3,338,575	155	227	\$ 55,700	11,566	16,242	\$ 3,282,875

*

AVERAGES

FY2024	ALL		COMMERCIAL		RESIDENTIAL	
	Applications	Equipment	Applications	Equipment	Applications	Equipment
Rebates Per Unit	\$ 287	\$ 203	\$ 425	\$ 302	\$ 285	\$ 202
Units Per Month	442	623	7	10	435	614

* DSM Online went live on 8/17/22. FY2022 Figures are from 8/17/2022 to 9/30/2022 only.

Large Commercial, Government, Prepaid, and Inactive accounts are still tracked and processed manually.

Paper applications are NOT INCLUDED with these counts. Includes denied and pending applications.



General Manager's Report

Ukudu Power Plant Construction Status

Plant construction progresses steadily. Major work includes: Installation of BESS Batteries, Hydrostatic testing of Natural Gas Pipeline, HRSG #1 Chemical Cleaning

Actual accumulated progress including Engineering, Procurement, and Construction: **91.61%**
(as of September 30, 2024)



General Manager's Report

Ukudu Power Plant Update:

GPA ACTIVITIES

1. Currently assisting with construction activities at the NDWWTP (transformer installation, etc.).
2. GPA is coordinating with GWA and GUP to facilitate GUP's acquisition of the NPDES permit.
3. GPA and consultants have begun testing the pipeline cathodic protection.
4. End-to-end testing of the Ukudu Switchyard and Control & Electrical Building was conducted on September 25, 2024.

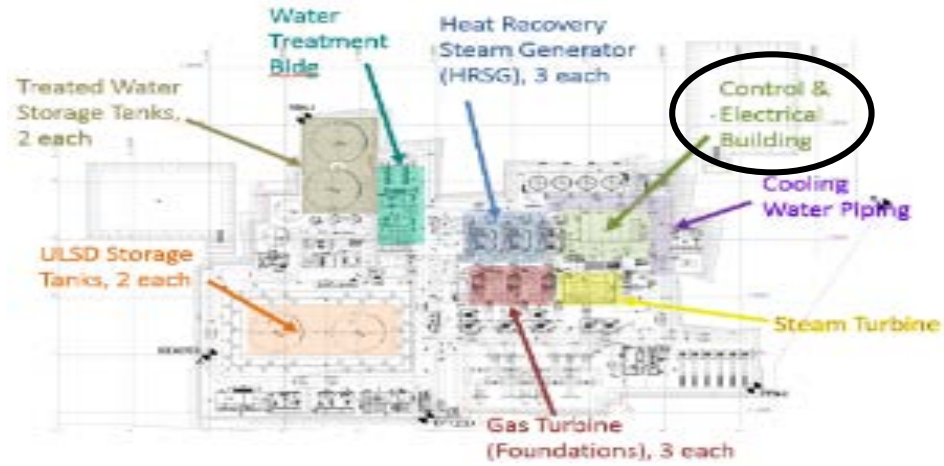
GUP ACTIVITIES

1. Overall Progress: 91.61%
2. Engineering Progress: 89.97%
3. Procurement Progress: 99.98%
4. Construction Progress: 94.04%
 - A. Road restoration of Route 16 is nearly completed.
 - B. Re-Use Water Facility construction is ongoing.
 - C. ULSD Pump Skid is in place. First transfer of fuel is tentatively scheduled for the end of October 2024.

General Manager's Report

Ukudu Power Plant Construction Status

Control & Electrical Building



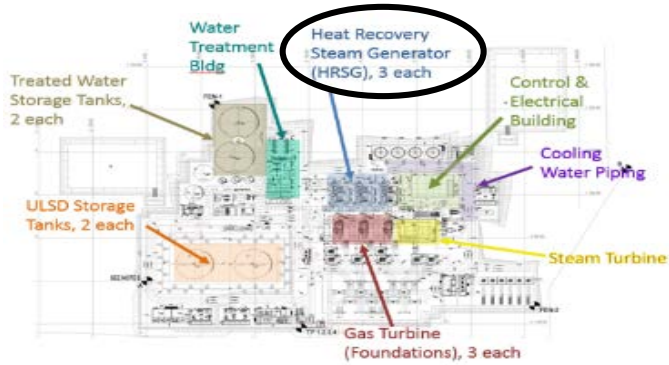
Cable tray and support installation is in progress



General Manager's Report

Ukudu Power Plant Construction Status

Heat Recovery Steam Generator (HRSG)



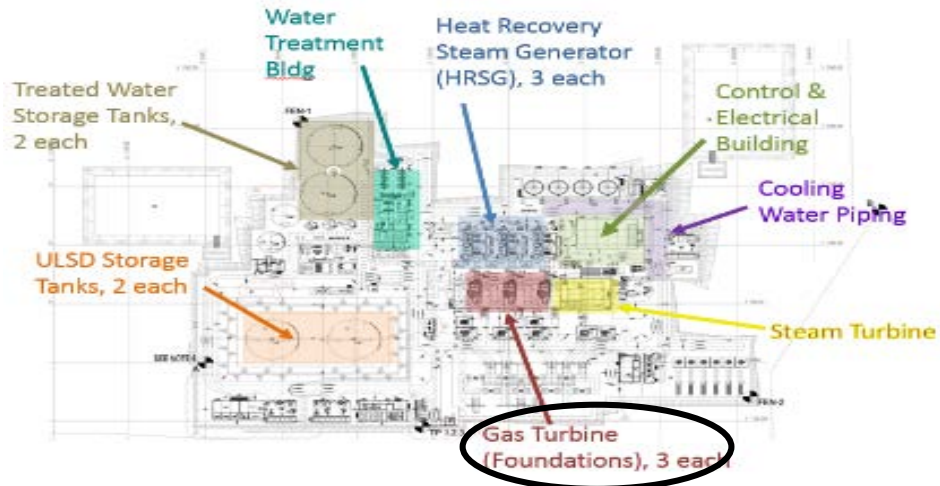
HRSG 1-3: Hydro Testing and Chemical Cleaning is ongoing.



General Manager's Report

Ukudu Power Plant Construction Status

Gas Turbines & Generators



Crews Torquing bolts on Generator Shaft Flange

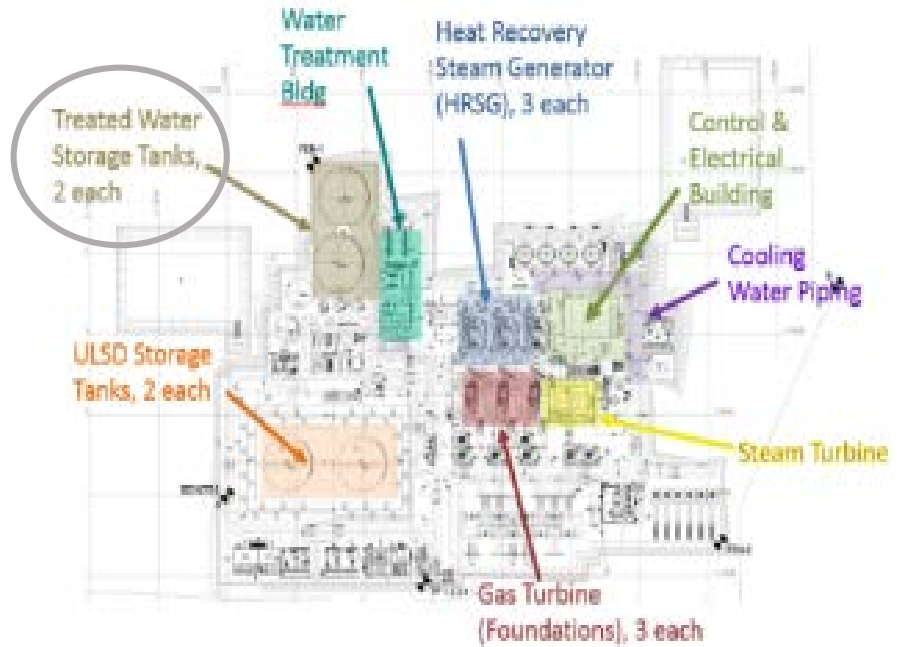


GTG Building – U-Ditch installation is ongoing.



General Manager's Report

Ukudu Power Plant Construction Status

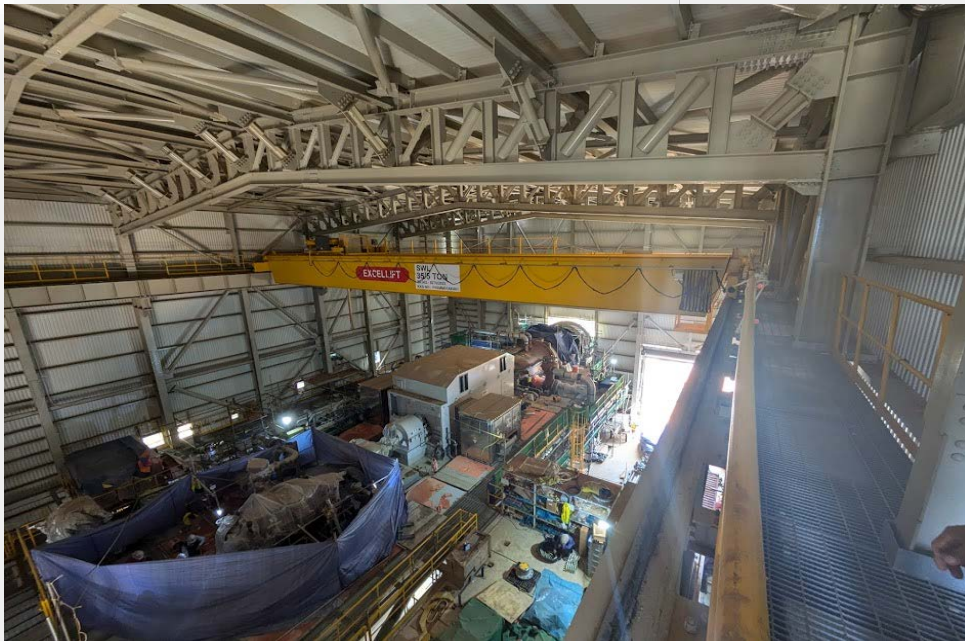
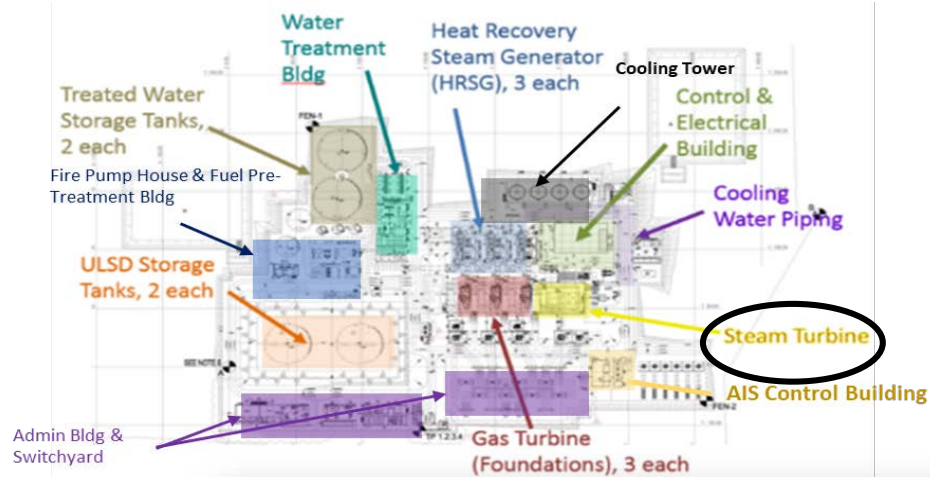


Treated Water Storage Tanks:
Exterior painting is ongoing.



General Manager's Report

Ukudu Power Plant Construction Status

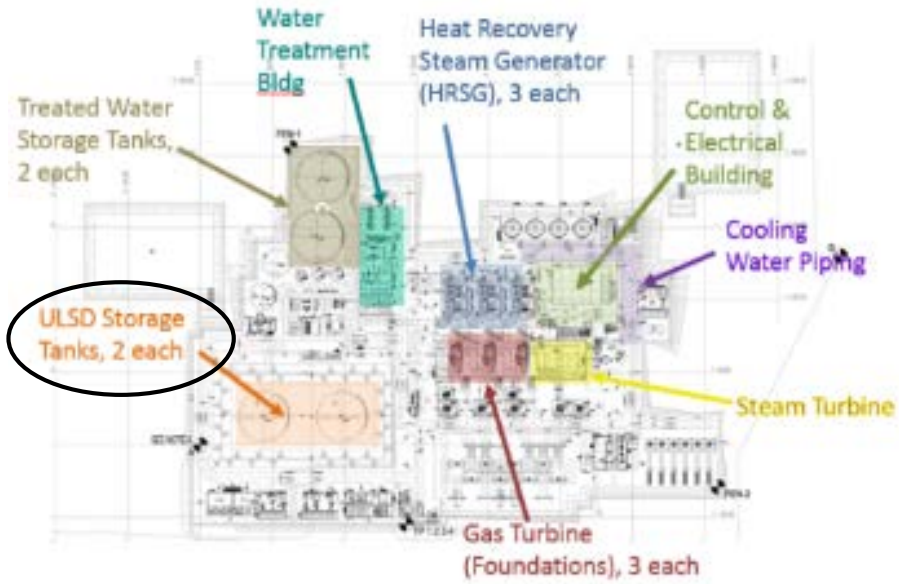


Steam Turbine & Generator Building: Cable tray installation and cable pulling is ongoing.



General Manager's Report

Ukudu Power Plant Construction Status



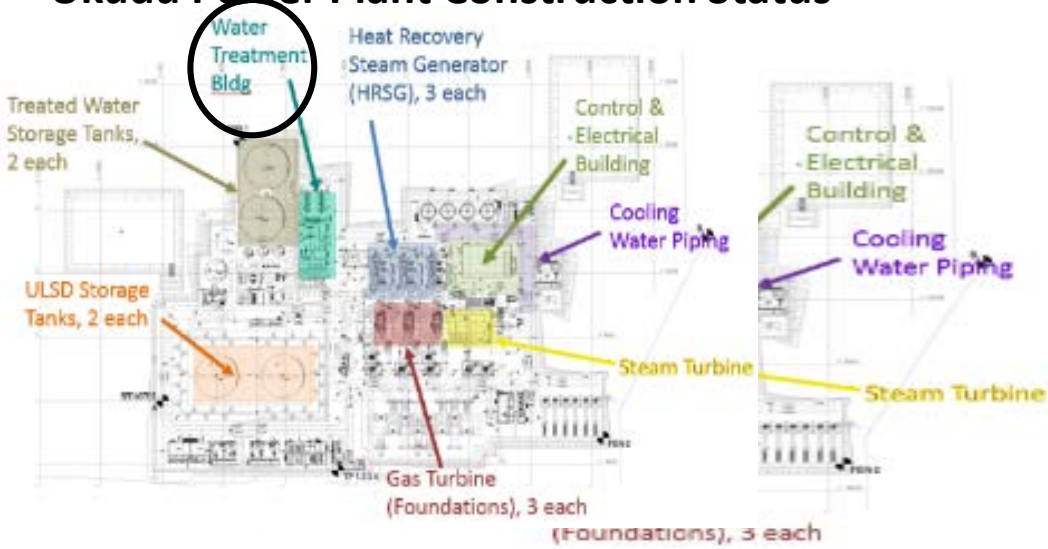
ULSD Storage Tanks – Dike Wall installation work is nearly completed.



General Manager's Report

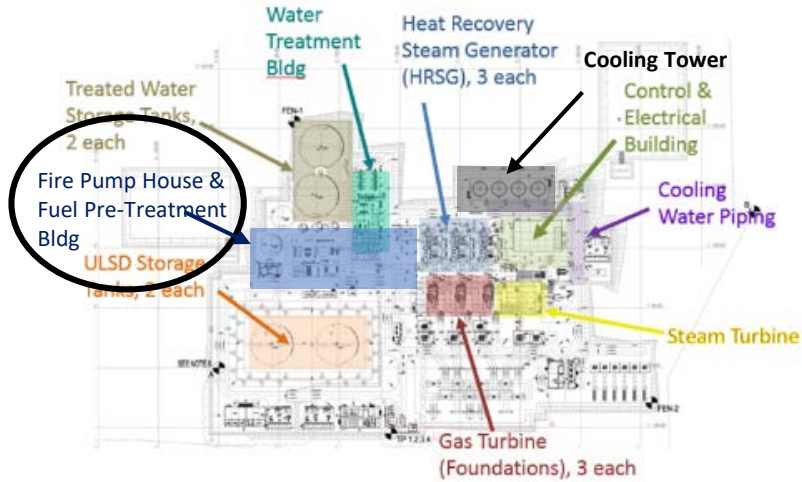
Ukudu Power Plant Construction Status

Water Treatment Building – Roof installation is nearly completed.



General Manager's Report

Ukudu Power Plant Construction Status



Water Pre-Treatment Building: Pit & Gravel installation is ongoing.

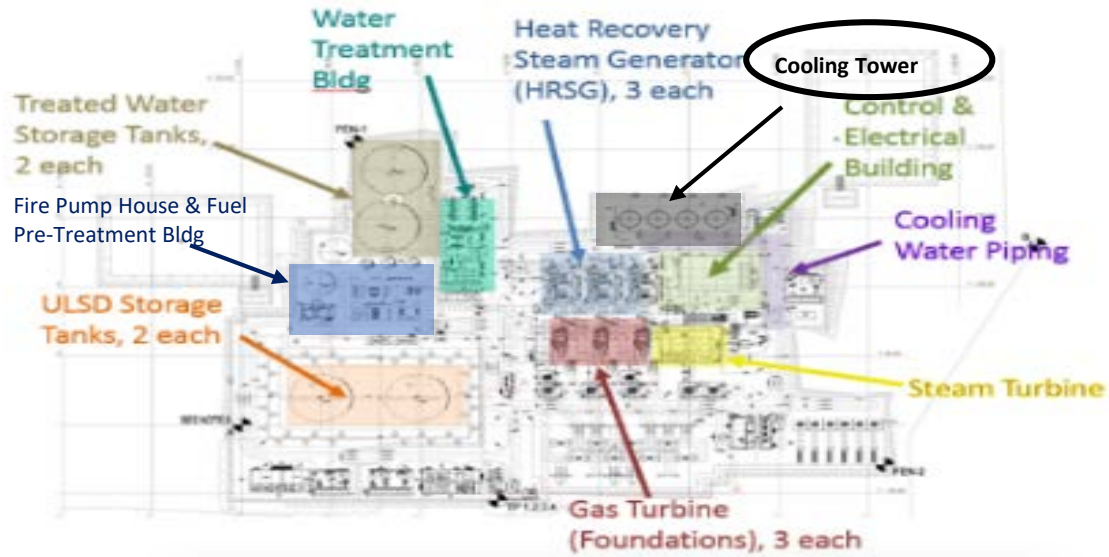


Fire Fighting Tank: U-Ditch installation is in progress.



General Manager's Report

Ukudu Power Plant Construction Status



Cooling Tower & Basin – Cable tray installation is ongoing.



General Manager's Report

Ukudu Power Plant Construction Status

Re-Use Water Facility (at GWA's Northern District Waste Water Treatment Facility)

Motorized Valve Pit Forms with Piping



Inside of lifting station



Rebar installation is ongoing in Communications Room

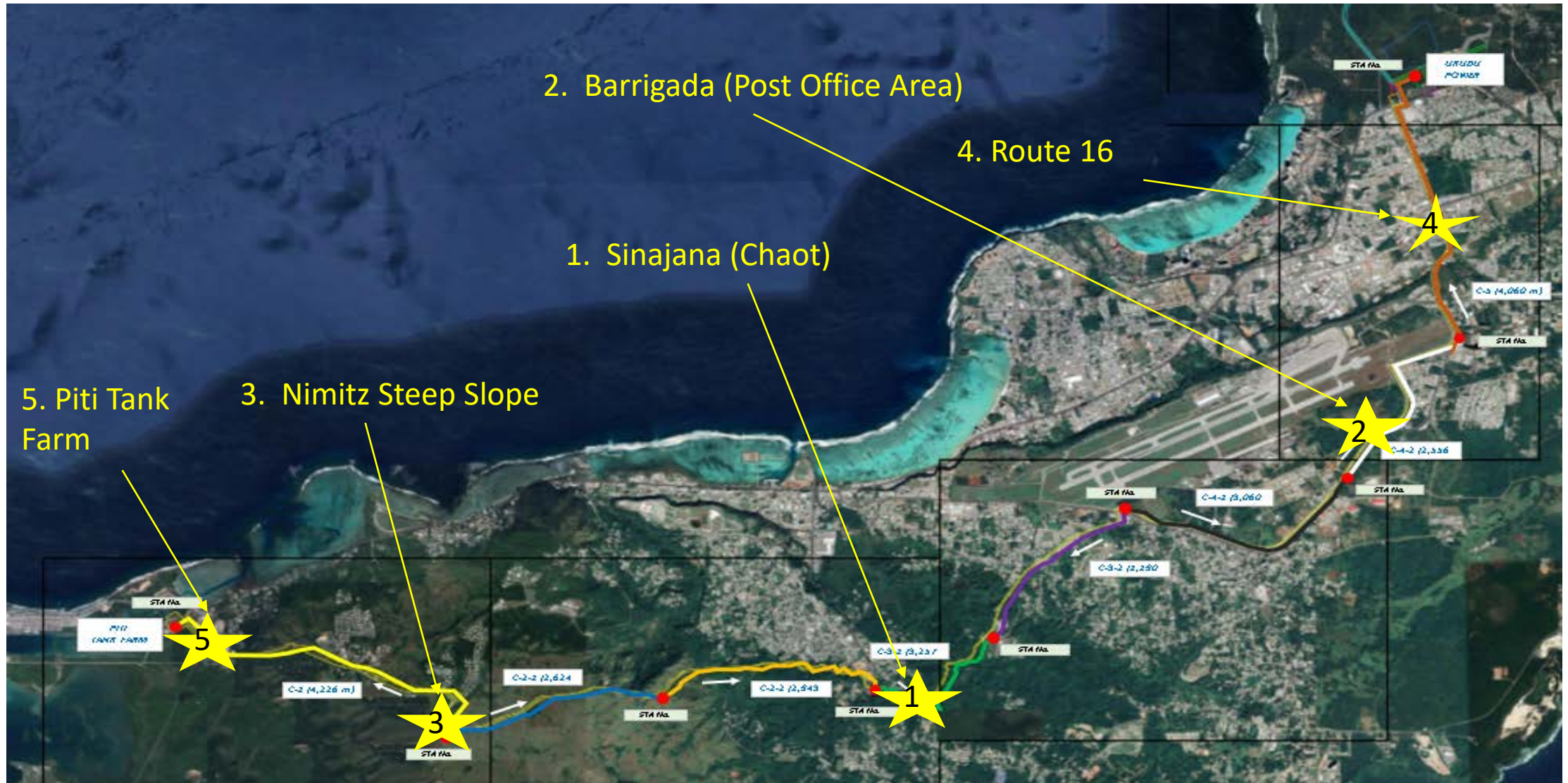


Inside of Electrical Room



General Manager's Report

Fuel Pipeline Construction Status

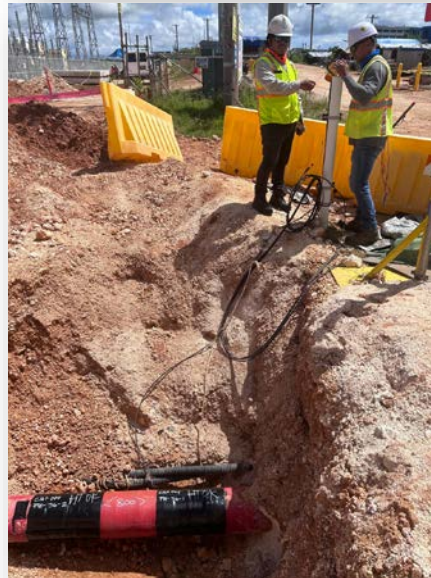


General Manager's Report

Fuel Pipeline Construction Status

All Pipeline Areas

1. GPA/DUP/GUP conducted Erection Completion walkthrough on October 15th, 2024.
2. Cathodic Protection testing is ongoing.



General Manager's Report

Fuel Pipeline Construction Status

Route 1 - Piti Tank Farm

ULSD Pump Skid is in now in place. Final alignment checks are ongoing.

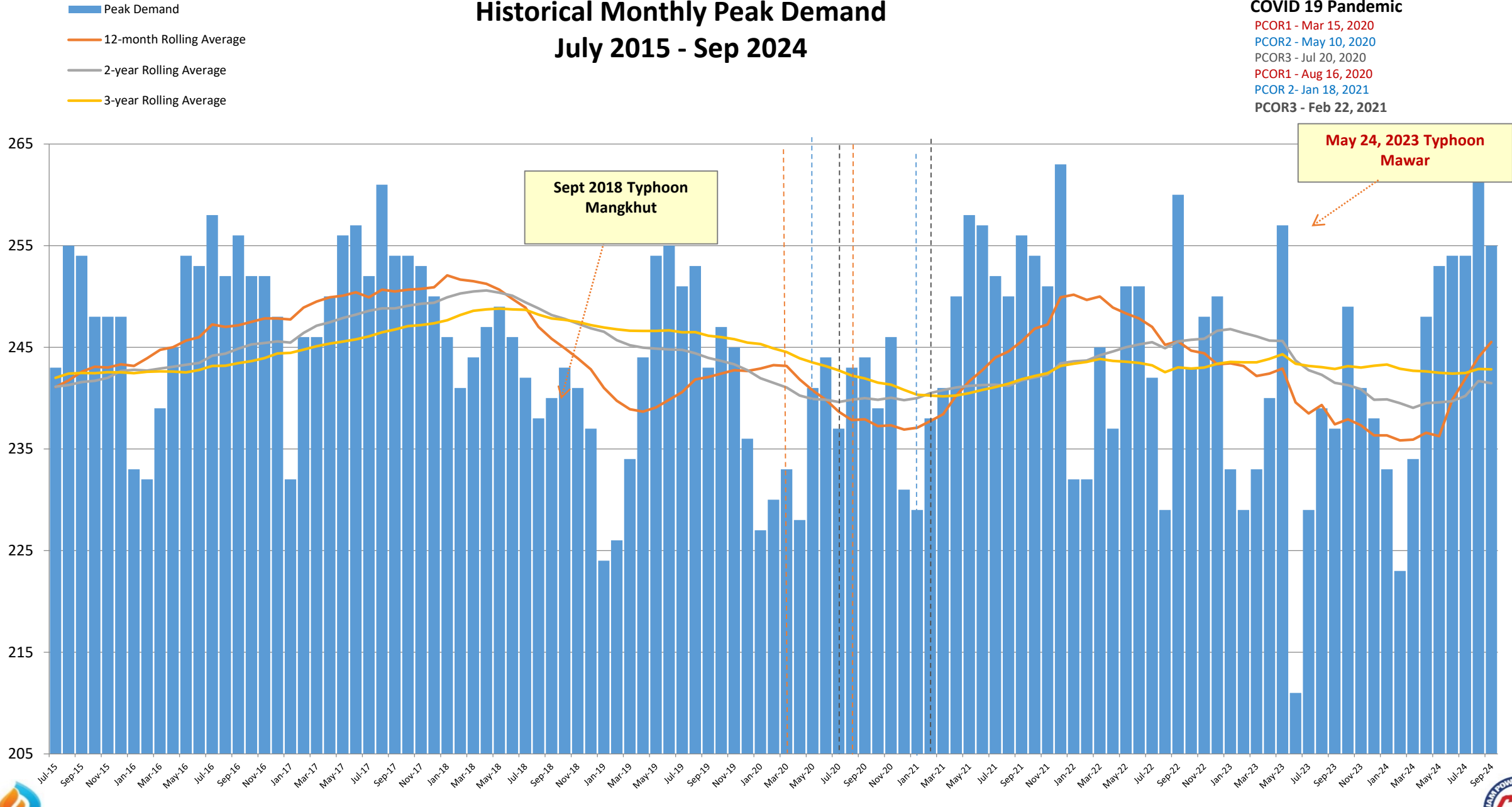


Generation KPIs September 2024

Historical Monthly Peak Demand July 2015 - Sep 2024

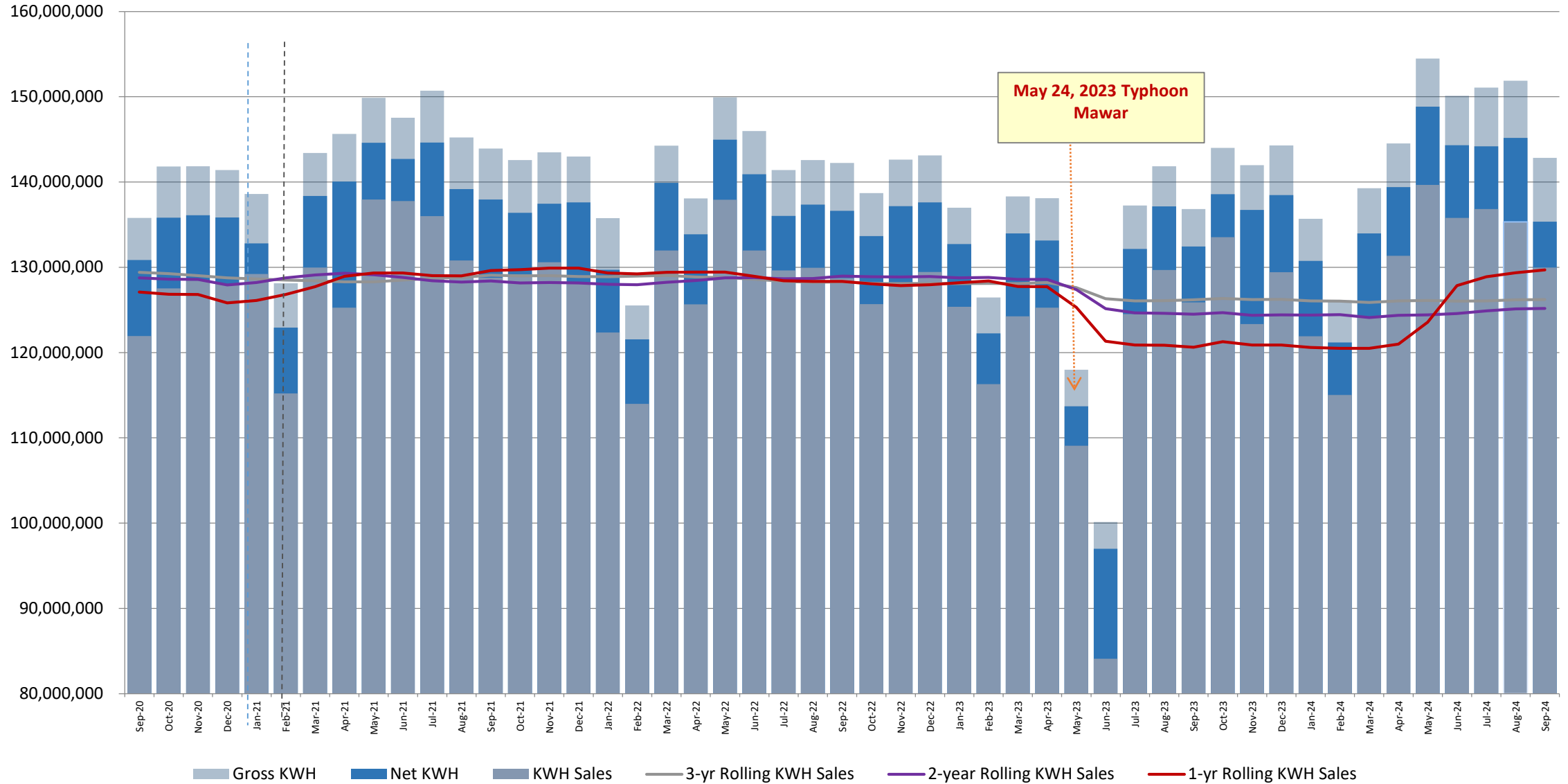
COVID 19 Pandemic

- 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



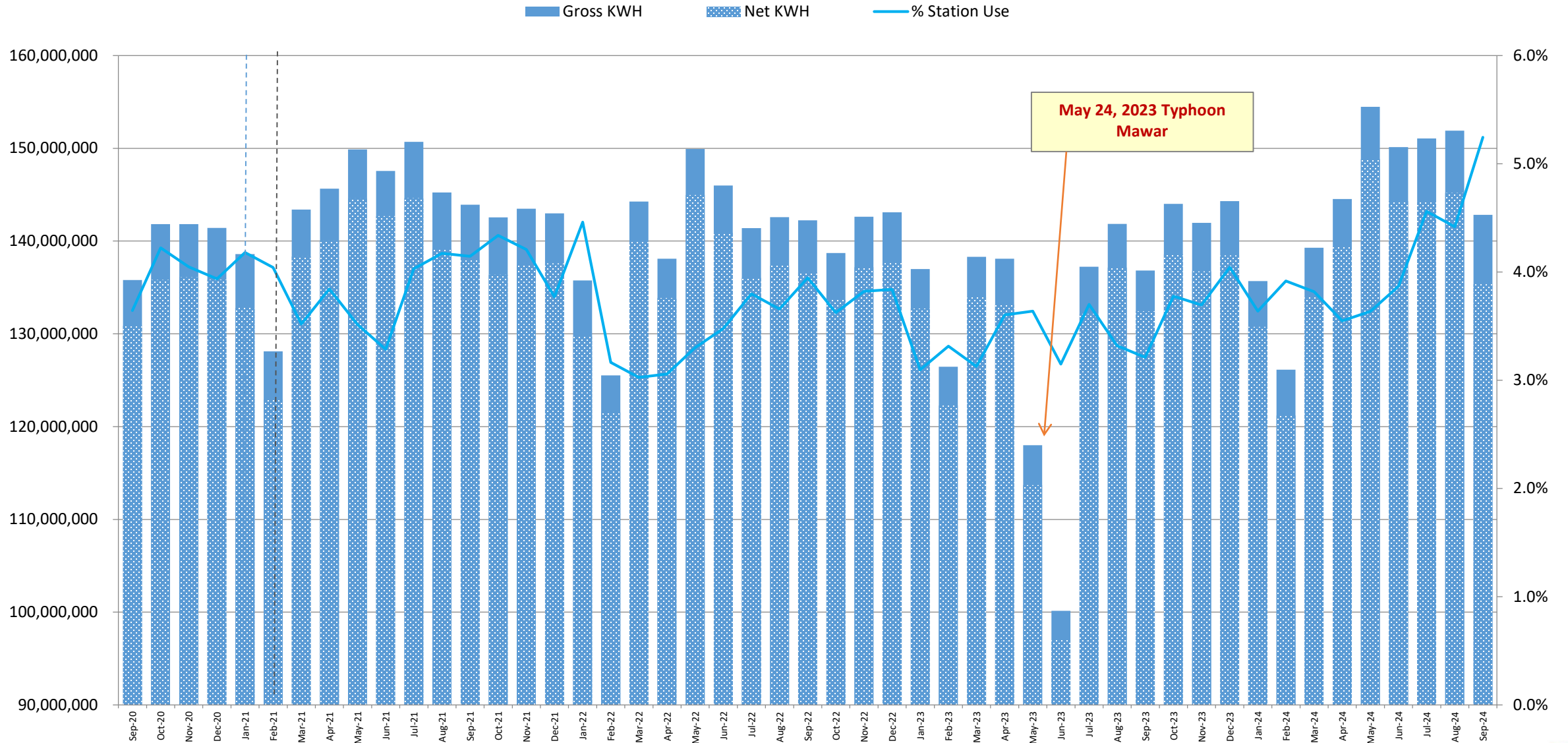
Historical KWH Sales Sep 2020 - Sep 2024

COVID 19 Pandemic
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021

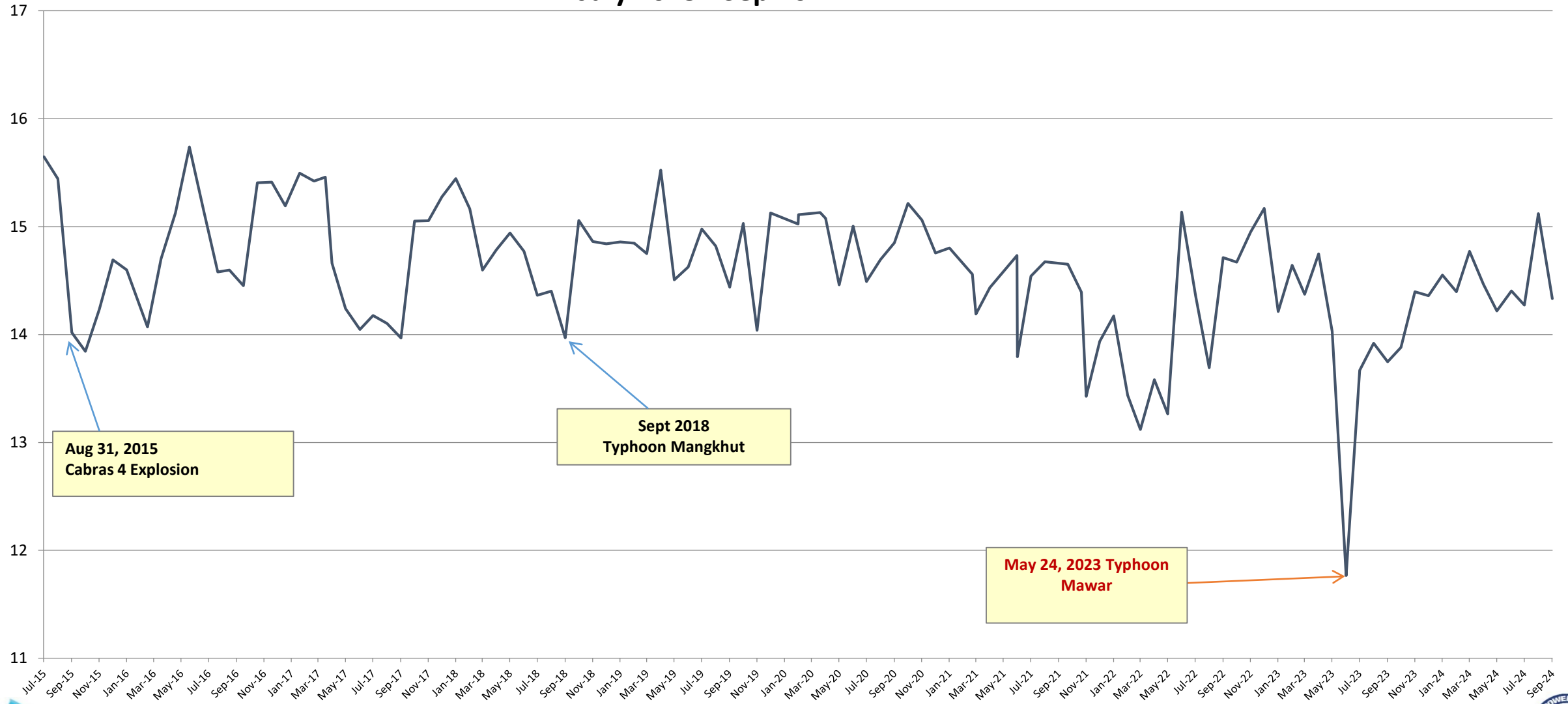


Gross and Net Generation (KWH) Sep 2020 - Sep 2024

COVID 19 Pandemic
PCOR 2- Jan 18, 2021
PCOR3 - Feb 22, 2021



SYSTEM GROSS HEAT RATE (KWH/Gal) July 2015 - Sep 2024



SYSTEM GROSS HEAT RATE (KWH/Gal) July 2015 - Sep 2024

