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10 *Attorney for Guam Power Authority*

11 **BEFORE THE GUAM PUBLIC UTILITIES COMMISSION**

12 **IN THE MATTER OF:**

**GPA DOCKET NO. 13-13**

13 **THE RELIABILITY OF GUAM POWER**  
14 **AUTHORITY'S POWER SYSTEM**

**GUAM POWER AUTHORITY'S FILING**  
**OF ITS MONTHLY RELIABILITY**  
**REPORT FOR AUGUST 2024**

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16  
17  
18  
19 The Guam Power Authority hereby files its monthly reliability report as of August 31,  
20 2024.

21  
22 Respectfully submitted this 17th day of September, 2024.

23 *Attorney for Guam Power Authority*

24 *M. Wołoschuk*  
25  
26 By: \_\_\_\_\_  
27 Marianne Wołoschuk  
28 GPA Legal Counsel  
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31  
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# GUAM POWER AUTHORITY

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

September 16, 2024

## MEMORANDUM

To: General Manager

Via: AGMETS (A) *Melwyn kwik*

From: Engineering Manager

Subject: **PUC Filing of Monthly Reliability Report  
As Ordered in Docket 13-13**

The attached table provides a summary of the monthly reporting requirements established by the PUC through GPA Docket 13-13 regarding the reliability of the GPA Power System. The attached report contains data as of August 31, 2024.

Please let me know if you have any questions.

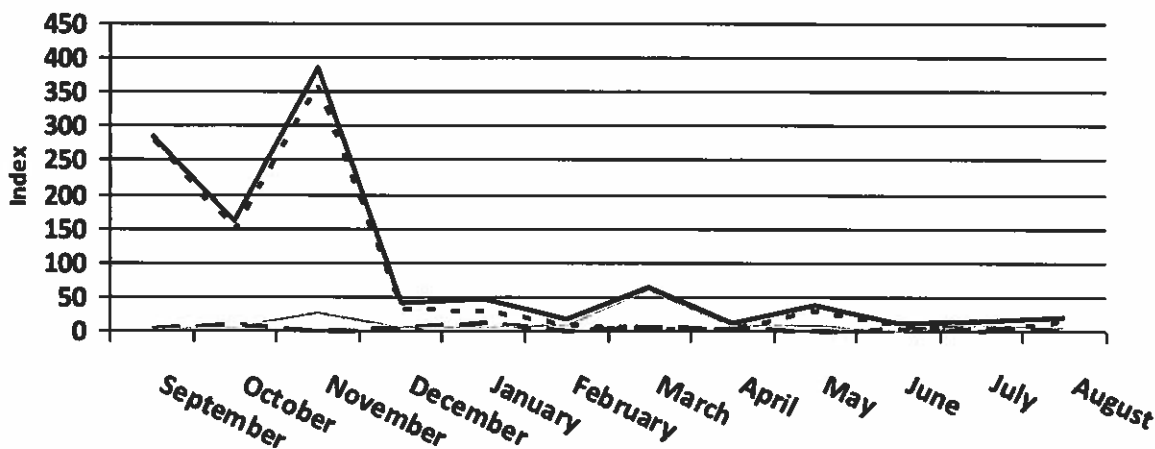
Vincent J. Sablan, P.E.

cc: AGMO  
T&D Manager  
Asst. T&D Manager  
Generation Manager  
Asst. Generation Manager  
PSCC Manager  
Public Information Officer  
Staff Attorney

Guam Power Authority PUC Docket 13-13

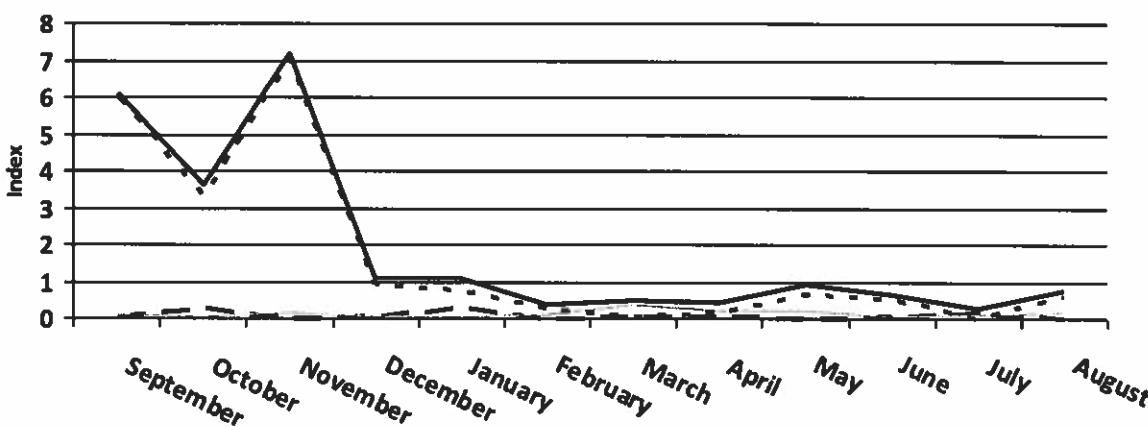
Item	Reporting Requirement	GPA Response
<b>Monthly Reporting</b>		
1.1	One year number of outage occurrences, SAIDI, SAIFI, CAIDI and ASAI for the reporting month as well as the previous month	Attachment 1: SAIDI and SAIFI Attachment 2: CAIDI and ASAI
1.2	Breakdown among generation, transmission and distribution	Attachment 1: SAIDI and SAIFI Attachment 2: CAIDI and ASAI
1.3	Number of occurrences, SAIDI, SAIFI, and CAIDI that resulted in under frequency load shedding	Attachment 2: UFLS Contribution to Reliability and the number or occurrences as a result of under frequency load shedding
1.4	Information linking the outages to distribution circuits to track potential problem circuits	Attachment 2: Top 5 Worst Feeders Distribution Causes
1.5	Graphs depicting the monthly cumulative SAIDI, SAIFI, CAIDI and ASAI	Attachment 1: SAIDI and SAIFI Attachment 2: CAIDI and ASAI
1.6	Reporting of all generator related offline trip events, their causes and duration (whether or not customers were affected)	Attachment 3: Generation Report
1.7	Unit specific outage related to EAF and EFOR consistent with GADS reporting	Attachment 4,5,6, and 7: EAF Baseloads and Peaking, EFOR Baseloads and Peaking
1.8	Graphic representation of historic EAF and EFOR for multiple years	Attachment 4,5,6, and 7: EAF Baseloads and Peaking, EFOR Baseloads and Peaking
1.9	The total yearly outage cause breakdown by frequency and duration	Attachment 1: 12 Month Outages by Duration and Frequency

(Item 1.1,1.2,1.5) August 2024 SAIDI = 1,100.84 ↓ (1,249.39)



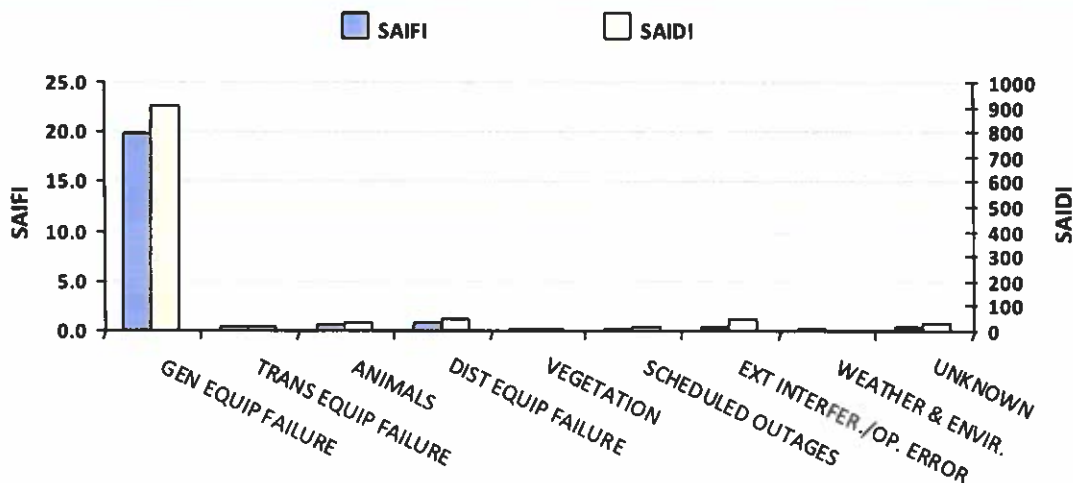
ALL  
 GEN=907.85  
 (1,059.62) ↓  
 TRANS=45.44  
 (43.47) ↑  
 DIST=147.55  
 (146.30) ↑

(Item 1.1,1.2,1.5) August 2024 SAIFI = 22.93 ↓ (25.68)



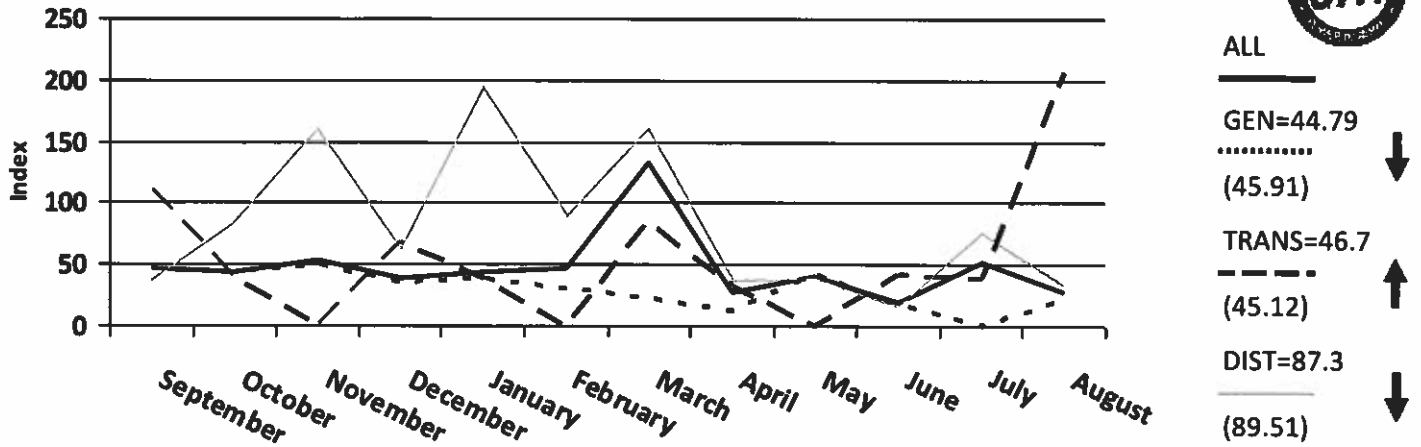
ALL  
 GEN=20.27  
 (23.08) ↓  
 TRANS=0.97  
 (0.96) ↑  
 DIST=1.69  
 (1.63) ↑

(Item 1.9) 12-Month Cause Contributions to Reliability

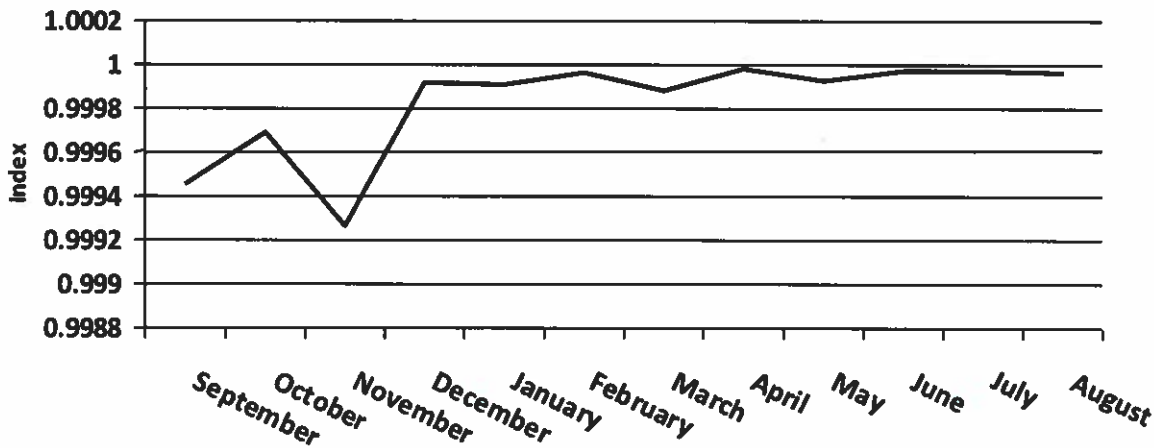


GEN EQUIP FAILURE  
 F:83.3% D:82.1%  
 TRANS EQUIP FAILURE  
 F:2.1% D:1.4%  
 ANIMALS  
 F:3.2% D:2.8%  
 DIST EQUIP FAILURE  
 F:3.8% D:4.6%  
 VEGETATION  
 F:0.8% D:0.7%  
 SCHEDULED OUTAGES  
 F:1.7% D:1.2%  
 EXT INTERFER./OP.  
 ERROR  
 F:2.1% D:4.4%  
 WEATHER & ENVIR.  
 F:0.4% D:0.1%  
 UNKNOWN  
 F:2.4% D:2.7%

(Item 1.1,1.2,1.5) August 2024 CAIDI = 48.00 ↓ (48.66)



(Item 1.1,1.2,1.5) August 2024 ASAI = 0.9979 ↑ (0.9976)



**(Item 1.4) Top 5 Worst Feeders Distribution Causes**

#	Feeder	Outage Count
1	P340	7
2	P005	5
3	P320	5
4	P323	5
5	P290	4

**(Item 1.4) Top 5 Distribution Outage Causes**

#	Outage Cause	Count
1	Overhead Equipment	37
2	Snakes	21
3	Substation Equipment	8
4	Underground Equipment	7
5	Other Animals	7

**(Item 1.3) Outage Count**

TOTAL	UFLS	Non-UFLS
1378	82	1296

**(Item 1.3) UFLS Contribution to Reliability**

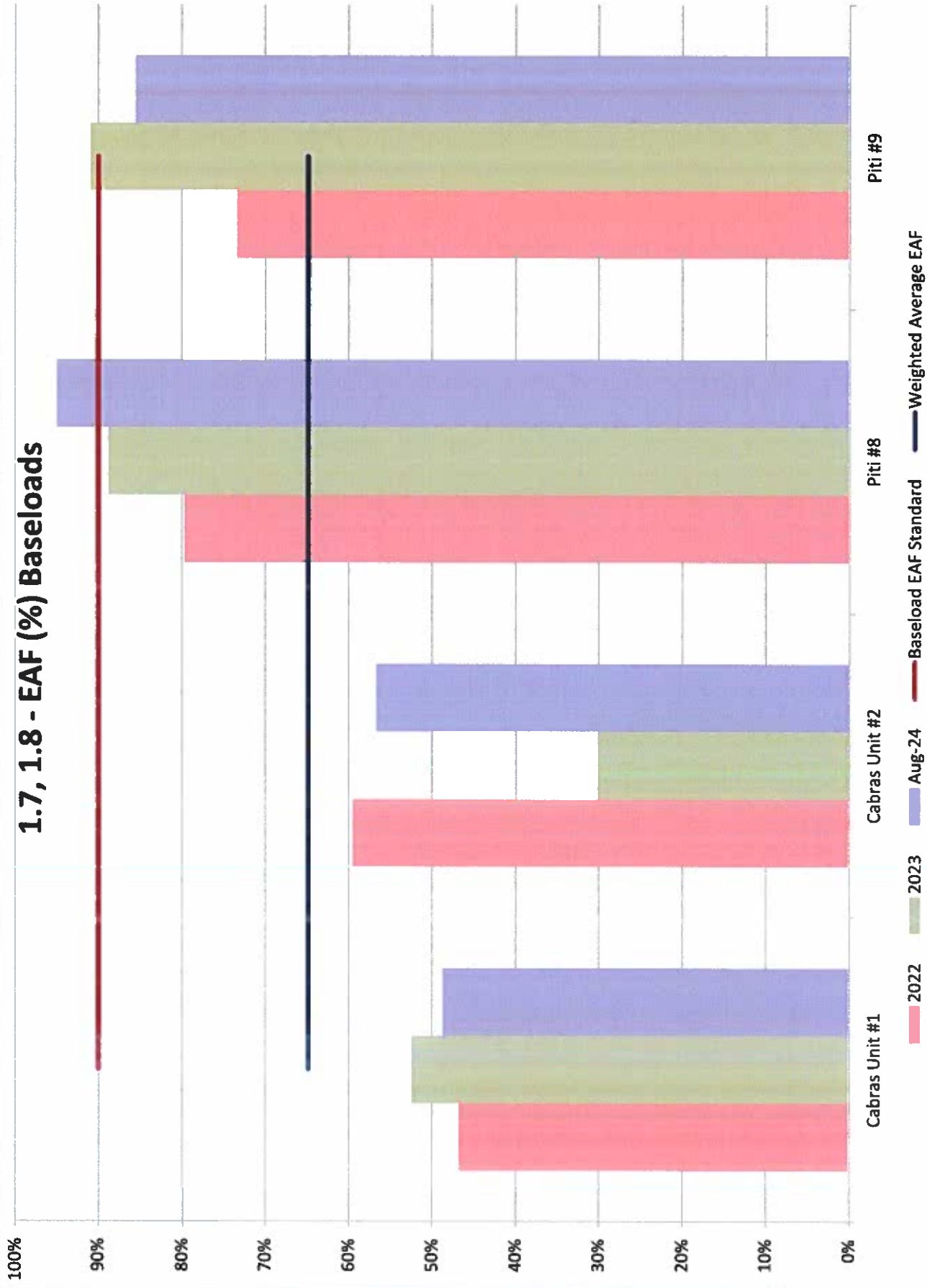
SAIDI	SAIFI	CAIDI
10.15	0.60	16.84

Item 1.6 Generation Outages

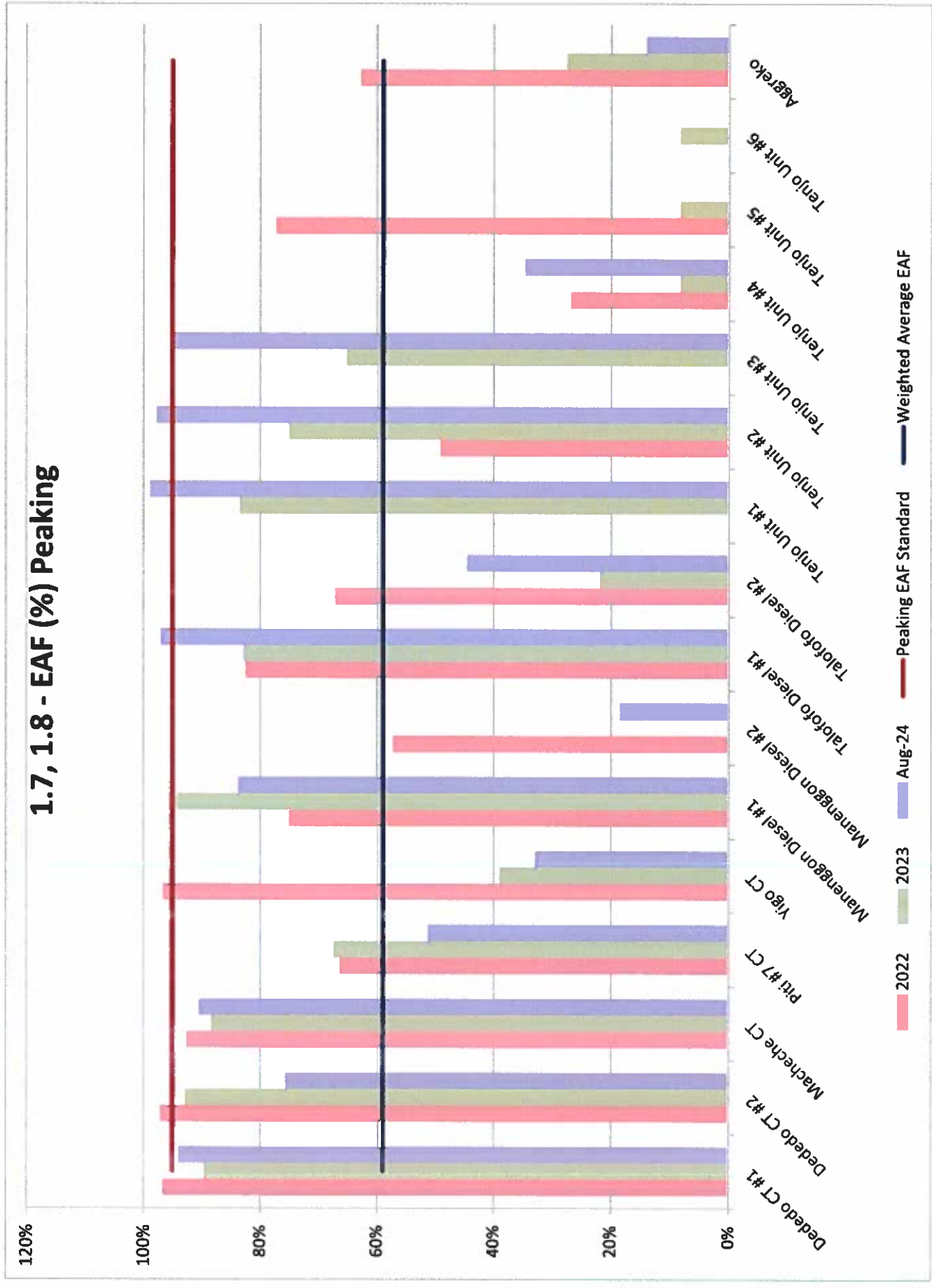
Trip Dates from Thursday, 08/01/2024 0:00 to Saturday, 08/31/2024 23:54

Facility	Trip		Close		Outage Duration (hrs)	Situation	Root Cause
	Date	Time	Date	Time			
Piti 8	8/31/2024	9:49	8/31/2024	12:31	2.70	Scheduled	Normal Operations
Dededo CT 2	8/28/2024	8:08	8/28/2024	11:42	3.57	Unexpected	Equipment
Tenjo 2	8/28/2024	7:58	8/28/2024	11:15	3.28	Scheduled	Preventive Maintenance
Yigo CT	8/27/2024	20:36	8/27/2024	21:18	0.70	Unexpected	Unknown
Pulantat 1	8/27/2024	18:54	8/27/2024	19:52	0.97	Unexpected	Equipment
Pulantat 2	8/27/2024	17:43			0.00	Unexpected	Equipment
Piti 9	8/27/2024	8:28	8/27/2024	16:42	8.23	Forced	Equipment
Dededo CT 1	8/27/2024	0:01	8/28/2024	1:47	25.77	Scheduled	Repair
Piti 8	8/26/2024	10:21	8/26/2024	12:03	1.70	Scheduled	Overgeneration
Piti 8	8/25/2024	8:18	8/25/2024	11:05	2.78	Forced	Equipment
Piti 8	8/23/2024	8:18	8/23/2024	12:36	4.30	Forced	Equipment
Piti 9	8/22/2024	8:29	8/22/2024	11:15	2.77	Scheduled	Overgeneration
Piti 8	8/21/2024	10:50	8/21/2024	15:42	4.87	Forced	Equipment
Talofofa 2	8/18/2024	16:15	8/20/2024	12:07	43.87	Forced	Equipment
Dededo CT 2	8/16/2024	10:35	8/16/2024	16:04	5.48	Scheduled	Preventive Maintenance
Piti 9	8/16/2024	7:38	8/16/2024	15:48	8.17	Scheduled	Preventive Maintenance
Pulantat 1	8/15/2024	18:41	8/16/2024	11:51	17.17	Forced	Equipment
Dededo CT 2	8/14/2024	18:58	8/15/2024	21:20	26.37	Unexpected	Equipment
Piti 9	8/12/2024	22:17	8/13/2024	16:56	18.65	Scheduled	Repair
Piti 8	8/11/2024	9:15	8/11/2024	11:30	2.25	Scheduled	Overgeneration
Piti 7 CT	8/11/2024	8:38			0.00	Scheduled	Repair
Piti 9	8/10/2024	5:59	8/10/2024	13:22	7.38	Forced	Equipment
Piti 9	8/9/2024	17:27	8/9/2024	19:25	1.97	Forced	Equipment
Piti 9	8/9/2024	5:59	8/9/2024	16:40	10.68	Forced	Equipment
Tenjo 1	8/6/2024	18:18			0.00	Unexpected	Equipment
Pulantat 1	8/5/2024	17:31	8/5/2024	19:30	1.98	Forced	Equipment
Yigo CT	8/5/2024	8:25	8/5/2024	12:12	3.78	Scheduled	Repair
Tenjo 4	8/4/2024	19:36	8/5/2024	17:08	21.53	Forced	Equipment
Cabras 1	8/2/2024	23:10	8/7/2024	13:56	110.77	Forced	Equipment
Yigo CT	8/2/2024	10:20	8/2/2024	11:02	0.70	Unexpected	Equipment
Piti 9	8/2/2024	8:50	8/2/2024	13:22	4.53	Scheduled	Testing
Piti 9	8/1/2024	8:47	8/1/2024	11:35	2.80	Scheduled	Preventive Maintenance

### 1.7, 1.8 - EAF (%) Baseloads

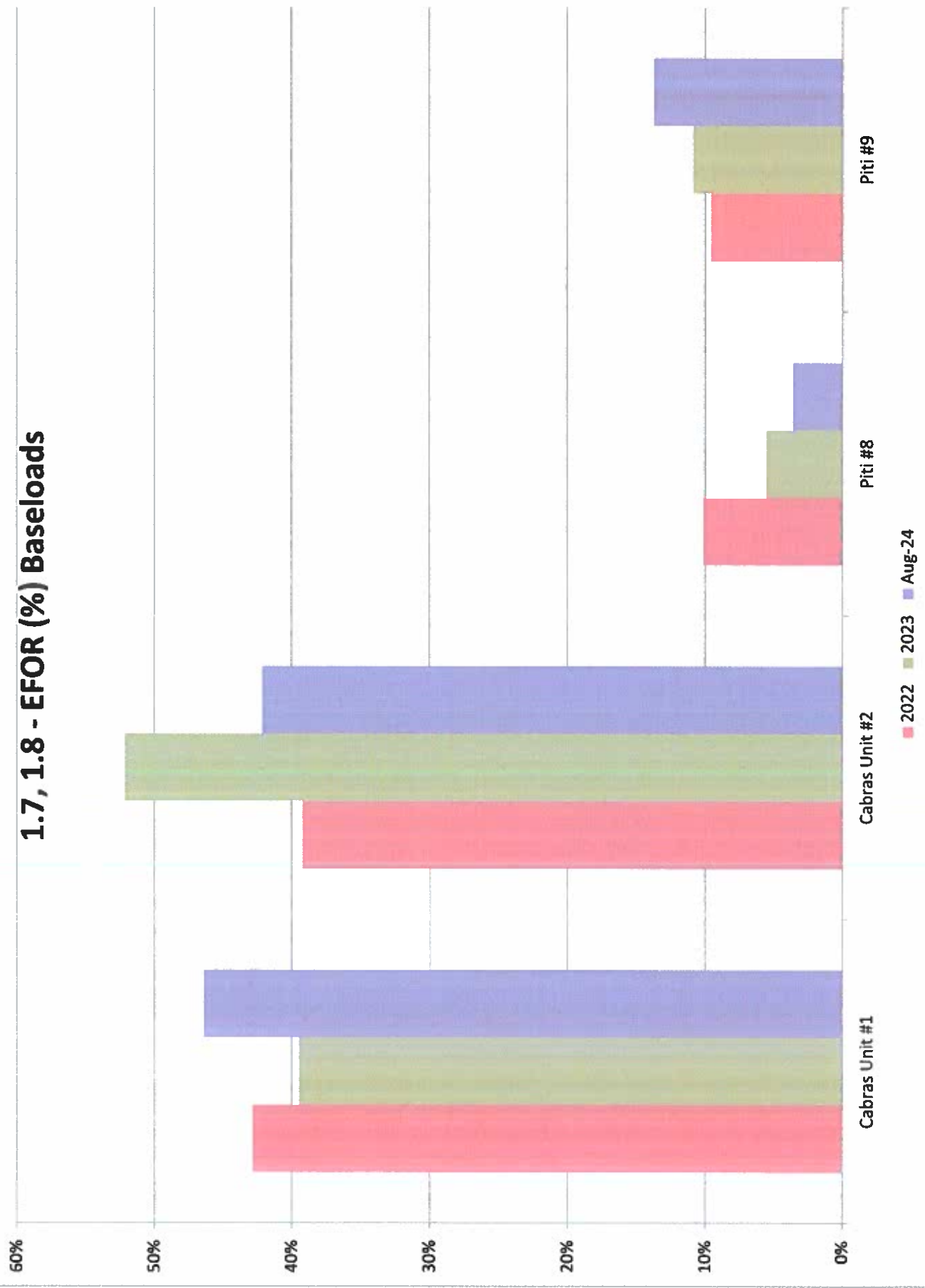


### 1.7, 1.8 - EAF (%) Peaking

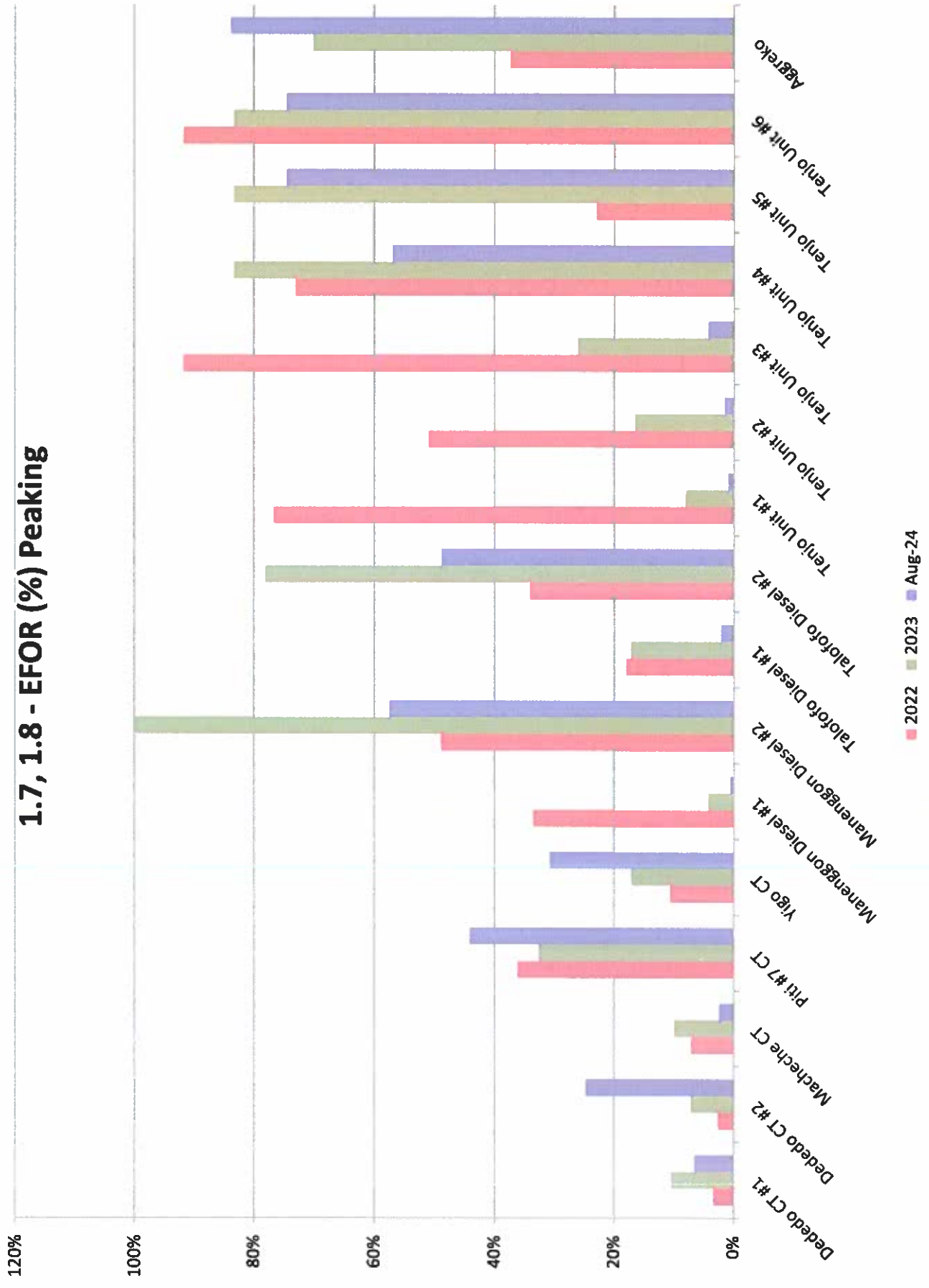




### 1.7, 1.8 - EFOR (%) Baseloads



### 1.7, 1.8 - EFOR (%) Peaking



RE: gpa dkt no. 13-13 monthly reliability report as of 08/31/24



lpalomo@guampuc.com

Yesterday, 3:49 PM

Reply all | v

Marianne Woloschuk; ssalas@rwtguam.com; horeckylaw@teleguam.net; Selma Bla v

Inbox



Action Items



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Good Afternoon Ms. Woloshuk,  
Acknowledging receipt and Thank you for submission.

Sincerely,  
Lourdes R. Palomo, Administrator  
Public Utilities Commission of Guam  
[414 West Soledad Avenue](#)  
[GCIC Building, Suite207](#)  
[Hagatna, Guam 96910](#)  
(671) 472-1907

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**Cc:** [horeckylaw@teleguam.net](mailto:horeckylaw@teleguam.net); Selma Blas <[sblas@gpagwa.com](mailto:sblas@gpagwa.com)>  
**Subject:** gpa dkt no. 13-13 monthly reliability report as of 08/31/24



Submitted through Electronic Filing is the following Guam Power Authority Petition for your review and approval:

1. GPA Dkt No. 13-13 Monthly Reliability Report as of August 31, 2024 (10 pages).

Hard copies will be delivered to the PUC within 24-48 hours.

Requesting that the PUC please acknowledge receipt of this email and its attachment.

Thank you!

Saina Ma'åse,

-Marianne

**Marianne Woloschuk**

Guam Power Authority

Gloria B Nelson Public Service Building

#688 Route 15 Fadian

Mangilao, GU 96913

TEL: 671.648.3203

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