GOVERNMENT OF PUERTO RICO
PUBLIC SERVICE REGULATORY BOARD
PUERTO RICO ENERGY BUREAU

IN RE: MANEJO DEL MANTENIMIENTO Y REPARACIONES DE LAS UNIDADES DE GENERACIÓN UTILIZADAS POR LA AUTORIDAD DE ENERGÍA ELÉCTRICA DE PUERTO RICO PARA SUPLIR SERVICIO ELÉCTRICO	**CASE NO.:** NEPR-MI-2021-0014 **SUBJECT:** Motion to Submit Updated Quarterly Report on Consumables, Spare Parts, and Capital Spare Parts for the Third Quarter of Fiscal Year 2025.

MOTION TO SUBMIT UPDATED QUARTERLY REPORT ON CONSUMABLES, SPARE PARTS, AND CAPITAL SPARE PARTS FOR THE THIRD QUARTER OF FISCAL YEAR 2025

TO THE HONORABLE PUERTO RICO ENERGY BUREAU:

COMES NOW GENERA PR LLC ("Genera"), as agent of the Puerto Rico Electric Power Authority ("PREPA"),[1] through its counsels of record, and respectfully submits and prays as follows:

1. On June 16, 2023, the Energy Bureau of the Puerto Rico Public Service Regulatory Board ("Energy Bureau") issued a Resolution and Order ("June 16th Resolution"), whereby it established Docket No. NEPR-MI-2021-0014 to remain informed about the operating state of the Electric Power System and for filing of material related to the maintenance and repair of PREPA's generation fleet. The Energy Bureau noted the obligations of Genera pursuant to Section 4.2 of the LGA OMA to report on the available inventory of Consumables, Spare Parts, and Capital Spare Parts for each Legacy Generation Asset which could be used for offsetting other costs and

[1] Pursuant to the *Puerto Rico Thermal Generation Facilities Operation and Maintenance Agreement* ("LGA OMA"), dated January 24, 2023, executed by and among PREPA, the Puerto Rico Public-Private Partnerships Authority and Genera, Genera is the sole operator and administrator of the Legacy Generation Assets (defined in the LGA OMA), and the sole entity authorized to represent PREPA before the Energy Bureau with respect to any matter related to the performance of any of the O&M Services provided by Genera under the LGA OMA.

expenses.[2] Additionally, in this docket, the Energy Bureau required Genera to file its June 1, 2023, Recommendation Letter and any future recommendations mandated by Section 4.2(j) of the LGA OMA, following the same submission timelines specified in that section.

2. On December 12, 2023, Genera filed a document titled *Motion to Submit Amended Response to Resolution and Order Dated November 29, 2023* ("December 12th Motion"), through which Genera submitted a revised assessment of Consumables, Spare Parts and Capital Spare Parts.

3. On February 26, 2024, the Energy Bureau issued a Resolution and Order titled *Determination on GENERA's Proposed Consumables, Spare Parts, and Capital Spare Parts Listing* ("February 26th Resolution"). In the February 26th Resolution, the Energy Bureau informed that they had reviewed the revisions in the December 12th Motion and found that Genera satisfactorily reflected the Energy Bureau's direction, subject to certain reporting requirements listed in Attachment A to the February 26th Resolution.

4. The Energy Bureau, through the February 26th Resolution, approved the final version of the revised assessment of Consumables, Spare Parts, and Capital Spare Parts subject to the Quarterly Reporting Requirements established in Attachment *A* of the February 26th Resolution, and ordered Genera to file the foregoing Quarterly Reports within forty-five (45) days after the end of each quarter.

5. Accordingly, on May 15, 2025, and in compliance with the February 26th Resolution, Genera submitted a partial Third Quarter ("Q3") Report on Consumables, Spare Parts, and Capital Spare Parts for FY2025, and respectfully requested a brief extension until May 22, 2025, to diligently respond to the following items in order to complete the report:

[2] *See*, Section 4.2 (j) of the LGA OMA.

a. GPR–PREB–NEPRMI20210014–20240226 #1

b. GPR–PREB–NEPRMI20210014–20240226 #2

c. GPR–PREB–NEPRMI20210014–20240226 #3

d. GPR–PREB–NEPRMI20210014–20240226 #4

e. GPR–PREB–NEPRMI20210014–20240226 #5

f. GPR–PREB–NEPRMI20210014–20240226–ATTA #C13(a)(i)

6. Therefore, and in compliance with the February 26th Resolution, Genera respectfully submits the remaining portion of the Third Quarter ("Q3") Report on Consumables, Spare Parts, and Capital Spare Parts for FY2025, as **Exhibit A** to this Motion.

WHEREFORE, Genera respectfully requests that this Energy Bureau **take notice** of the above for all purposes and **accept** Genera's Q3 Report on Consumables, Spare Parts, and Capital Spare Parts for FY2025 as **Exhibit A** herein.

RESPECTFULLY SUBMITTED.

In San Juan, Puerto Rico, this 22nd day May of 2025.

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CERTIFICATE OF SERVICE

I hereby certify that a true and accurate copy of this motion was filed with the Office of the Clerk of the Energy Bureau using its Electronic Filing System and that I will send an electronic copy of this motion to the Puerto Rico Powe Authority (PREPA), through its counsel of record, Alexis G. Rivera Medina, at arivera@gmlex.net and Mirelis Valle Cancel, at mvalle@gmlex.net, and to LUMA Energy LLC and LUMA Energy ServCo LLC, through its counsel of record, Margarita Mercado Echegaray, at margarita.mercado@us.dlapiper.com.

In San Juan, Puerto Rico, this 22nd day of May, 2025.

/s/ Gabriela Alejandra Castrodad García
Gabriela Alejandra Castrodad García

Exhibit A

Q3 Report on Consumables, Spare Parts, and Capital Spare Parts for FY2025

Docket Number: NEPR-MI-2021-0014
In Re: Determination on Genera's Proposed Consumables, Spare Parts, and Capital Spare Parts Listing
RE: FY25-**Q3 Report** - Maintenance and Repair Management of the Generation Units of the Puerto Rico Electric Power Authority

Attachment A

Planned Maintenance and Critical Component Replacement Program.

GPR–PREB–NEPRMI20210014–20240226 #1

1. Report on Genera's progress in achieving the Expected Results of Forced Outage Reduction: 32% to 15% as stated in the document titled, Generation Fleet Outage Schedule Planned Maintenance and Critical Component Replacement Program.

Response:

Since GeneraPR commencement day the force outage factor has been reduced from 32% to 27% in September 2024 as stated in the graphic below. The main reasons for these reductions are the following:

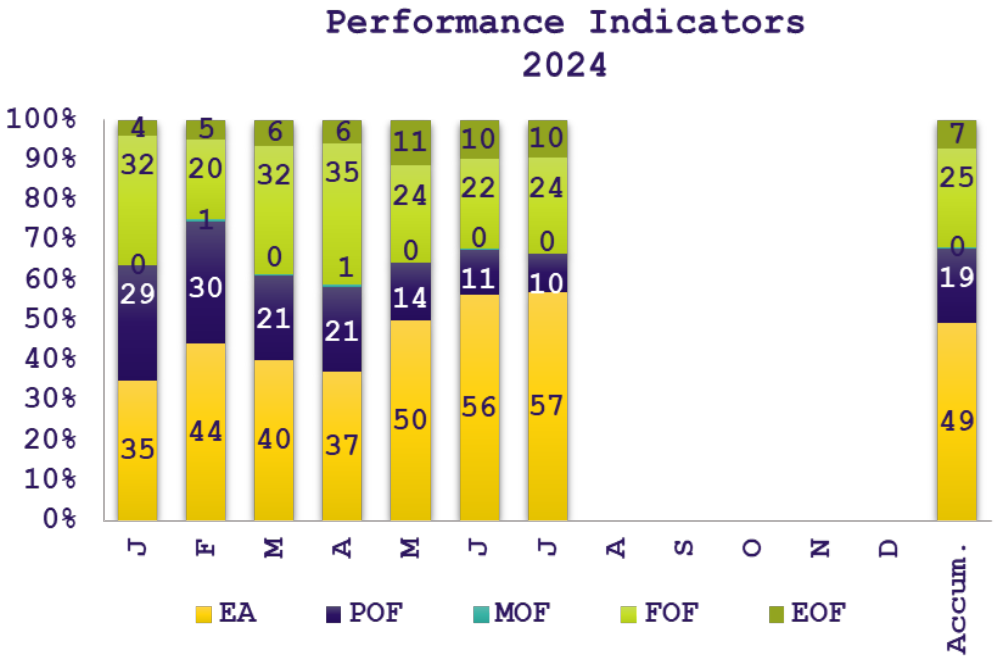
Repairs performed in unit 1 of Aguirre steam plant. The generator of the unit was repaired, and the unit was put in service on February 12, 2024, with a capacity of 450 MW. This unit was out of service since March 16, 2022.

Programmed maintenance on several units:

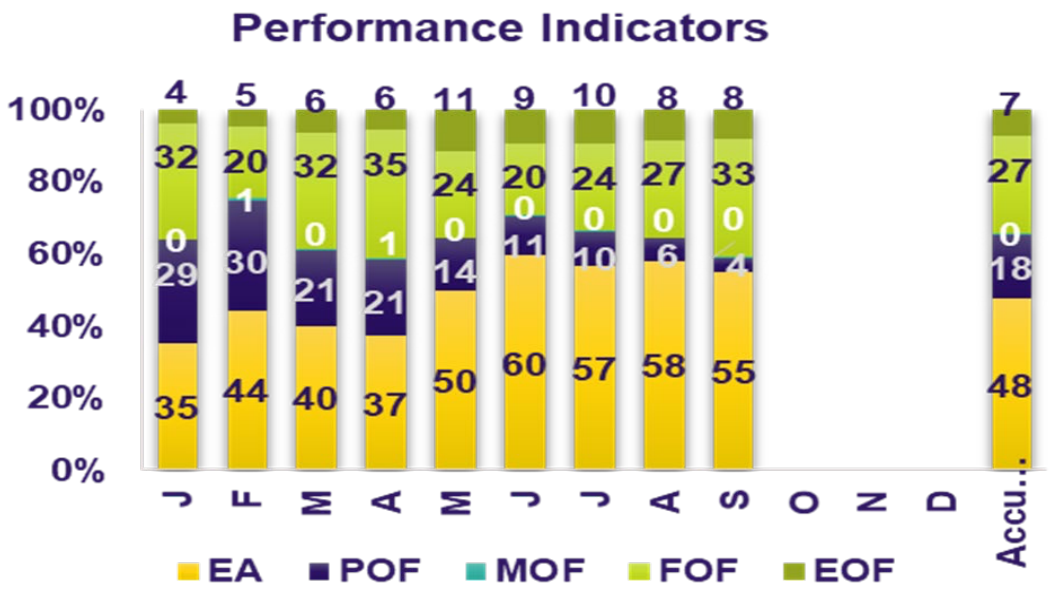
a. Costa Sur 5 underwent a major inspection from July 4, 2023, and was completed on February 28, 2024.
b. Costa Sur 6 environmental maintenance was performed from January 4, 2024, to March 20, 2024. Additionally, Genera replaced the Emergency Station

Service transformer, the normal service transformer 6B and the motorized boiler feed pump, collectively improving the unit's reliability.

c. A major inspection of Unit 3 of Palo Seco Steam Plant, during the economizer section of the boiler was replaced and consequently improving the unit's reliability.



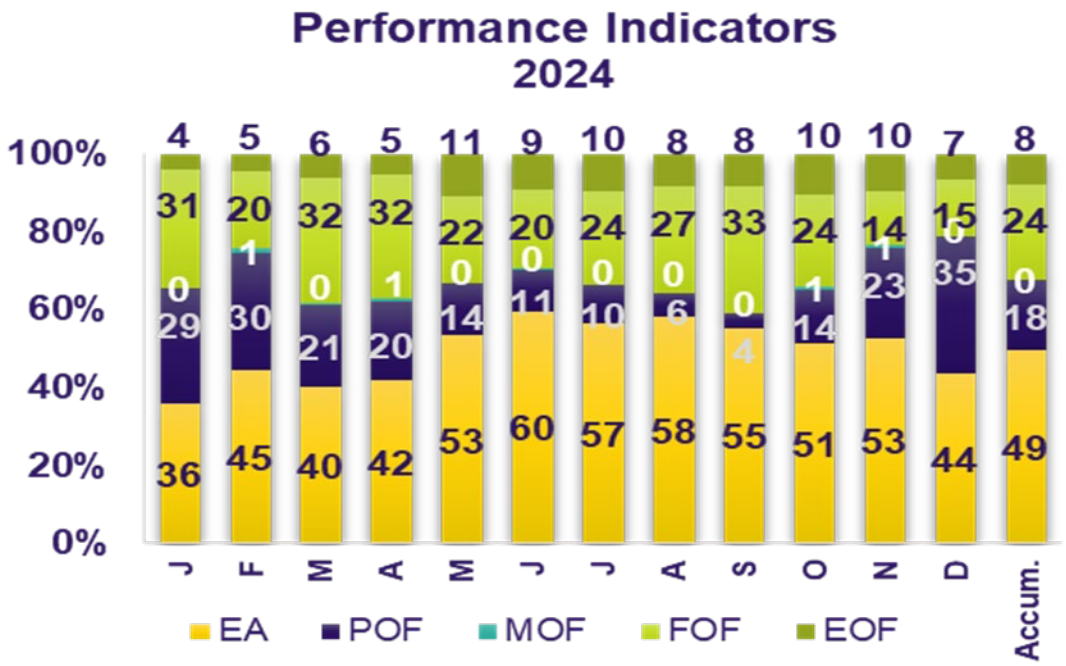
Q2 Response:



Q2 Response:

Since Genera's commencement, the forced outage factor has been reduced from 32% to 24% as of December 2024, as illustrated in the accompanying graphic. Key improvements include:

- SJ9 unit was taken out of service on November 29, 2025, for environmental maintenance as requested by the EPA.
- SJ7 is out of service for major maintenance since November 16, 2025.
- SJ6 is out of service for major maintenance since October 20, 2025.
- Palo Seco Unit 3 improved availability from 32% in Q1 to 42% in Q2.
- Aguirre 1 out of service from November 27, 2025, for generator hydrogen seals replacement.

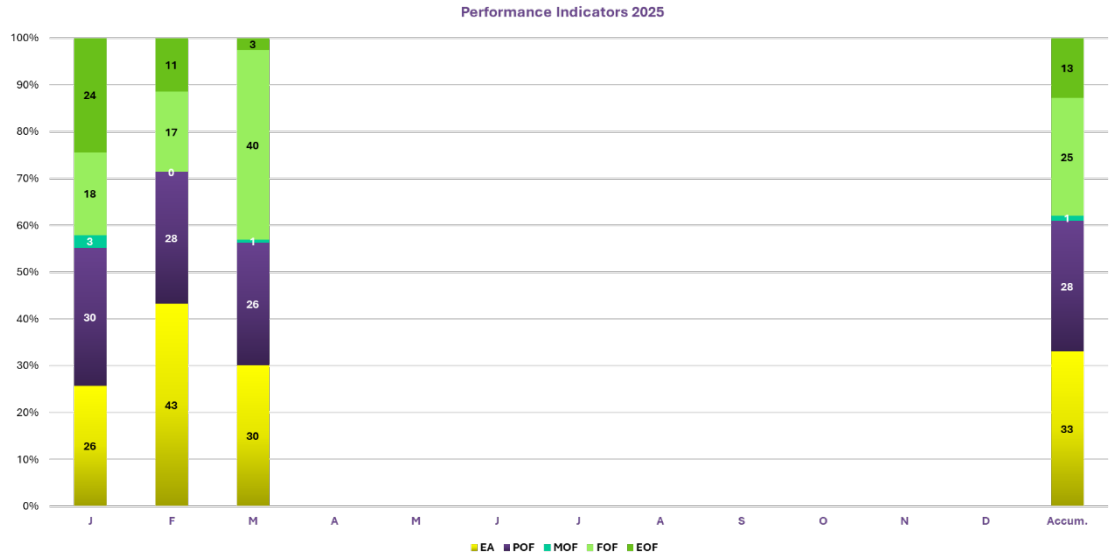


Q3 Updated Response:

Since GeneraPR's commencement, the forced outage factor has been reduced from 32% to 26%, as illustrated in the graphic below. The primary drivers of this improvement include the following:

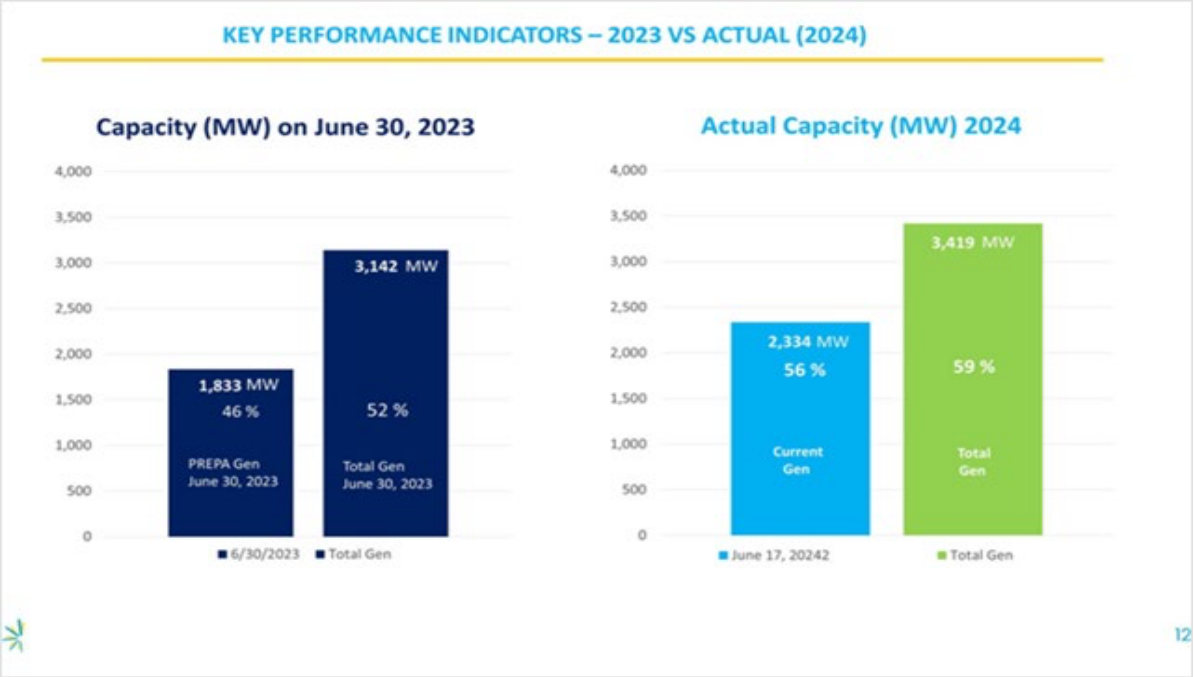
- San Juan Unit 9 returned to service following an environmental maintenance.
- San Juan Units 6 and 7 underwent a scheduled major maintenance during this period.
- GeneraPR performed major maintenance on Costa Sur Unit 5 and Palo Seco Unit 3 in 2024. As a result of these efforts, both units recorded forced outage factors below 10% during Q3, following the completion of the maintenance activities.

–


Performance Indicators 2025
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
J
F
M
A
M
J
J
A
S
O
N
D
Accum.
24
18
3
30
26
11
17
0
28
43
3
40
1
26
30
13
25
1
28
33
EA
POF
MOF
FOF
EOF

GPR–PREB–NEPRMI20210014–20240226 #2

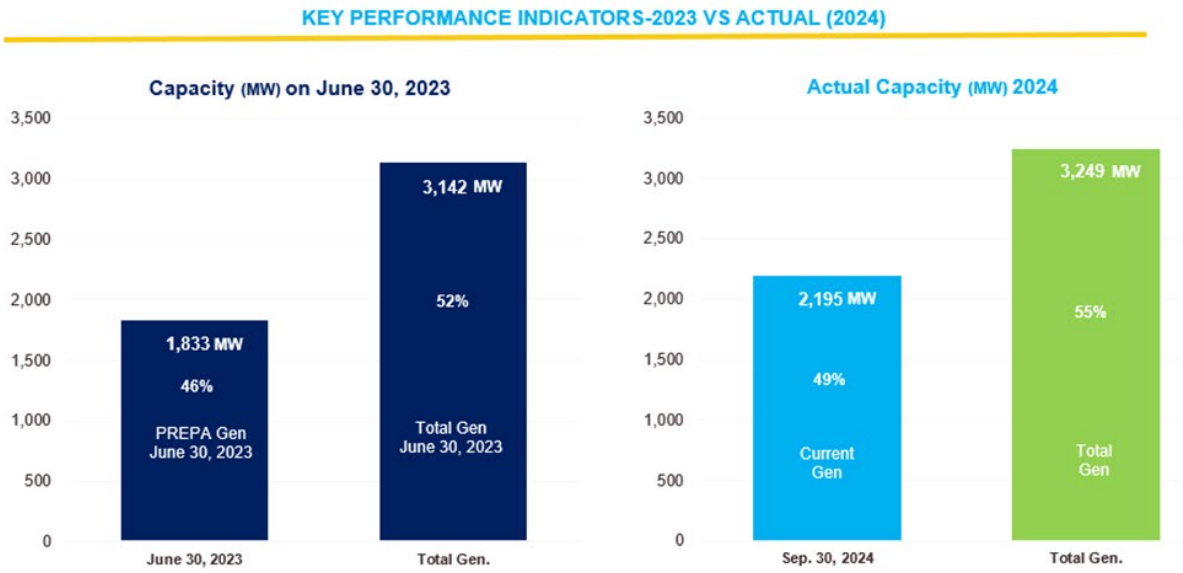
2. Report on Genera's progress in achieving the Expected Results Increase in availability: 17% = 340 MW as stated in the document titled, Generation Fleet Outage Schedule Planned Maintenance and Critical Component Replacement Program.



The graphic above shows that Genera's unit availability has improved by 0%, from 1833 MW to 2334 MW. See answer to GPR–PREB–NEPRMI20210014–20240226 #1.

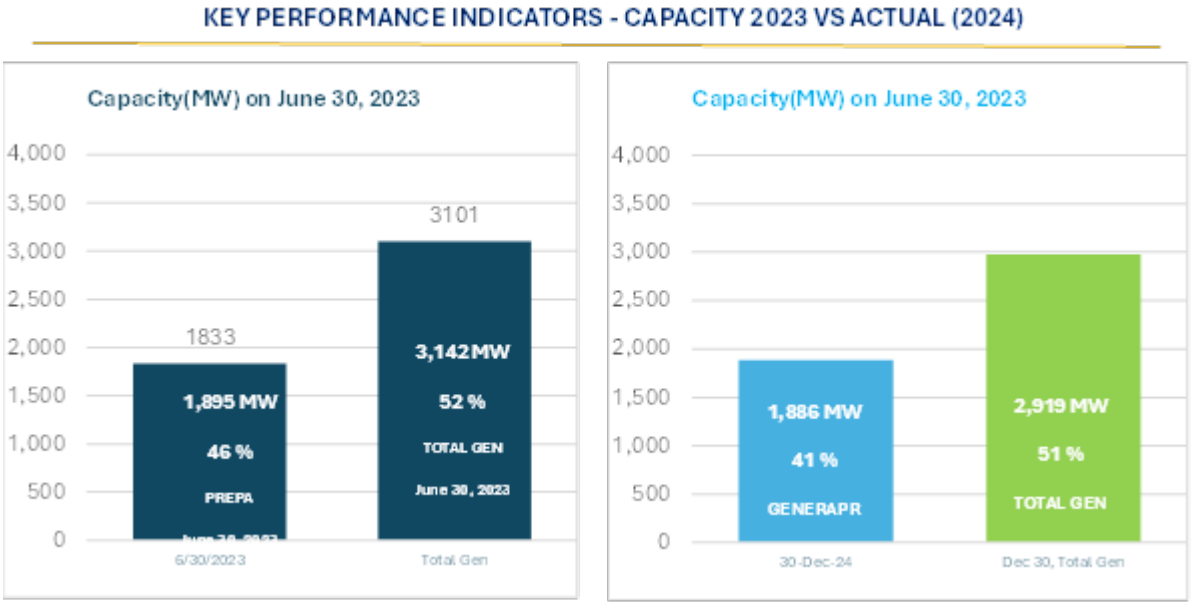
See updated response below

Q2 Response:



The graphic above shows that Genera's unit availability has improved by 17% from 1833 MW to 2195 MW. See answer to GPR–PREB–NEPRMI20210014–20240226 #1.

Q2 Response:



The equivalent availability of Genera's generation fleet was 41% for the second quarter. Historically, the second and third quarters experience the lowest energy demand in the country. During these periods, most scheduled maintenance activities are carried out on the power plants.

Generating Station		Available Generation (MW)	NOTES
San Juan	CT 5	120	
	STG 5	-	Maintenance
	CT 6	-	Major Maintenance
	STG 6	-	FO - Repair
	7	-	FO - Repair
	9	-	Environmental Maintenance
Palo Seco	3	120	
	4	-	FO - Repair
Aguirre	1	-	FO - Repair
	2	-	FO - Repair
Costa Sur	5	222	
	6	370	
Total GeneraPR - Base Generation		**832**	
Aguirre Combined Cycle		250	
Peaking Units (PS, AG, CS, VB, Jobos, Yab. & Dag.)		125	
San Juan TM (Trailer mounted)		225	
Palo Seco TM (Trailer mounted)		90	
PS MP PW FT-8 (Mobilepac)		79	
Mayaguez Gas turbine		122	
Cambalache Gas turbine		150	
GeneraPR - Total Generation		**1,886**	
AES		454	
Ecoelectrica		566	
Hydroelectric		13	
Renewables		-	
System - Grand Total		**2,919**	
Peak Demand (Forecast)		**2,475**	
Reserve		**444**	
Peak Demand Previous Day		**2,252**	

DAILY GENERATION AVAILABILITY REPORT

LUMA is not responsible for generation and is providing this report as part of service to our customers.
The report shows the availability generation as reported daily by each generator.

12/30/2024

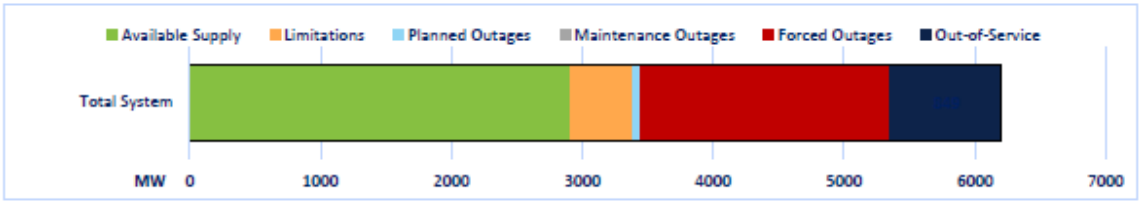
Projected System Availability and Reserves

2,250 PEAK DEMAND	670 REQUIRED RESERVES	1 RESERVES SHORTFALL	
2,919 AVAILABLE SUPPLY	669 AVAILABLE RESERVES	47% AVAILABILITY RATE	

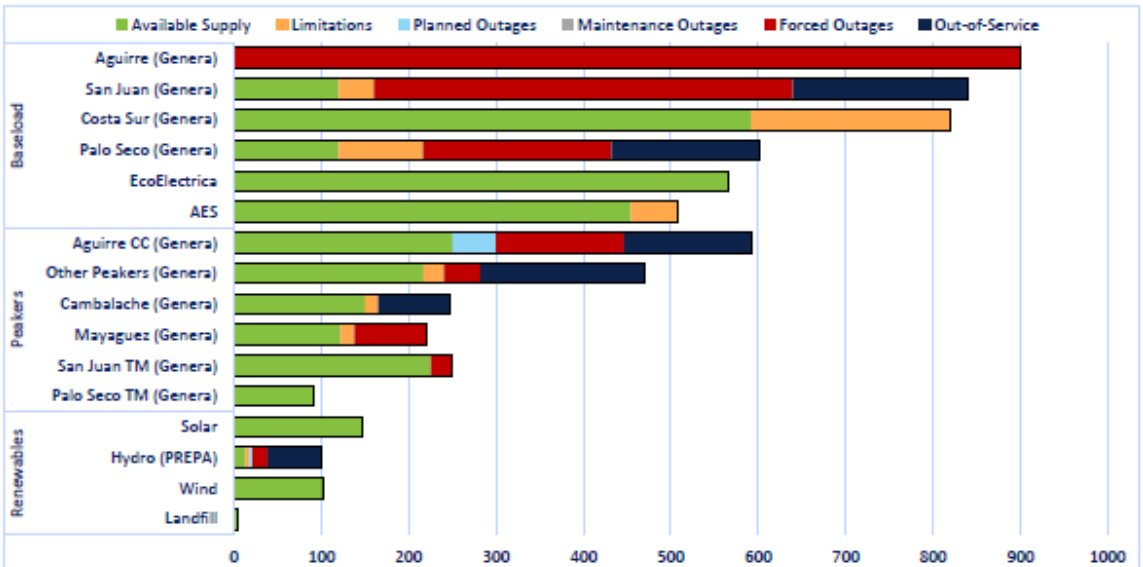
*all units are shown in MW

Previous Day	12/29/2024
Min. Demand 1,435 MW	Time: 1:01 PM
Peak Demand 2,087 MW	Time: 6:38 PM
Total Generation 37,768 MWh	

System Availability and Status



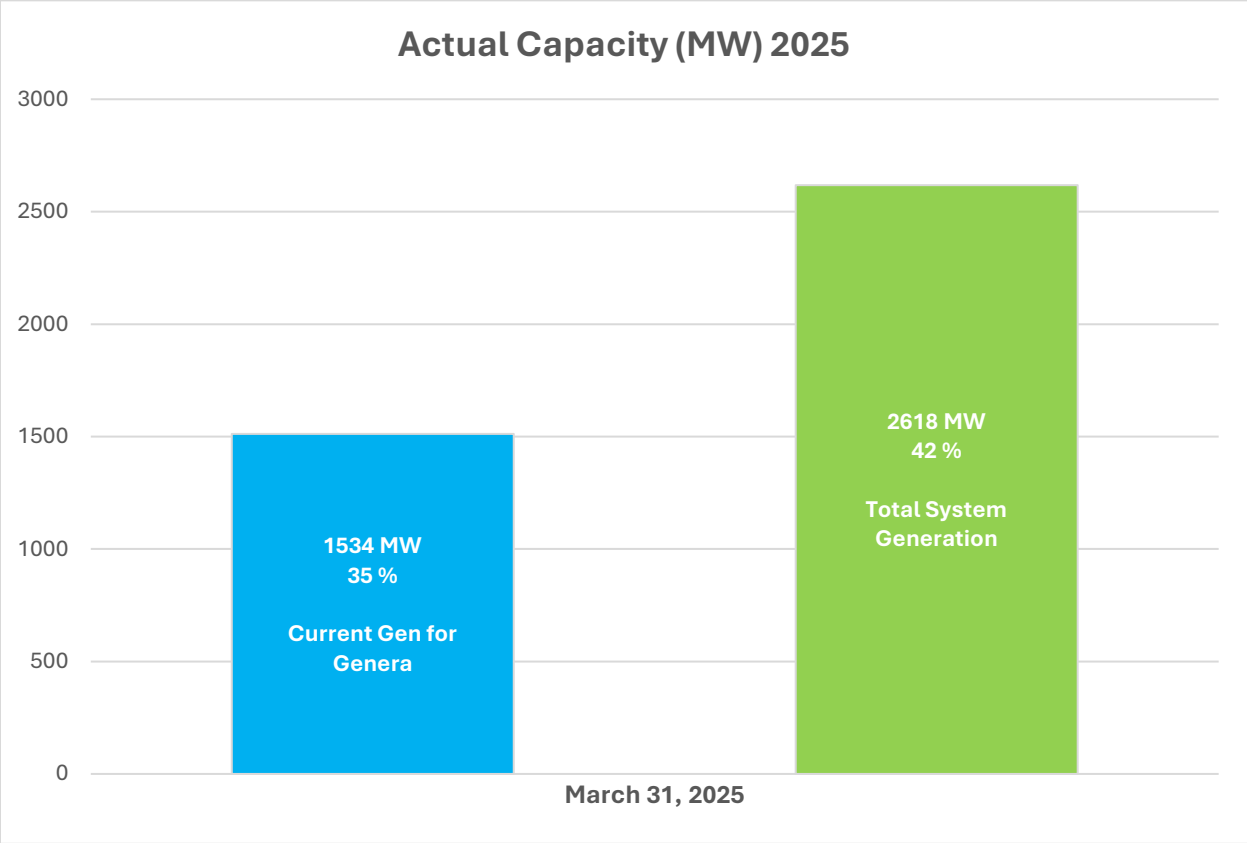
Availability and Status as reported by each Generator



	Renewables				Peakers						Baseload					
	Landfill	Wind	Hydro (PREPA)	Solar	Palo Seco TM (Genera)	San Juan TM (Genera)	Mayaguez (Genera)	Cambalache (Genera)	Other Peakers (Genera)	Aguirre CC (Genera)	AES	EcoElectrica	Palo Seco (Genera)	Costa Sur (Genera)	San Juan (Genera)	Aguirre (Genera)
Available Supply	5	101	13	147	90	225	122	150	217	250	454	566	120	592	120	0
Limitations	0	0	4	0	0	0	16	15	23	0	54	0	96	228	40	0
Planned Outages	0	0	4	0	0	0	0	0	0	50	0	0	0	0	0	0
Maintenance Outages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forced Outages	0	0	17	0	0	25	83	0	42	146	0	0	216	0	480	900
Out-of-Service	0	1	61	0	0	0	0	83	189	146	0	0	170	0	200	0
Installed Capacity	5	102	100	147	90	250	220	248	471	592	508	566	602	820	840	900

MW

Q3 Updated Response:



As of March 31, 2025, the equivalent availability of Genera's generation fleet stood at 35% for the third quarter. Historically, the second and third quarters coincide with the lowest energy demand periods in Puerto Rico. During these months, GeneraPR carries out scheduled maintenance across various generation units to prepare for the summer season, hurricane season, and periods of high demand. This planned maintenance activity temporarily impacts overall fleet availability. Notably, units that have undergone repairs and are now demonstrating improved reliability include San Juan Units 6, 7, and 9, as well as Costa Sur Unit 5.

	Executive Summary Status Report 3/31/25			System
	Power Station	Unit	Capacity (MW)	Available Capacity
Base Units	Base Generation			
	San Juan	CT 5	160	160
		STG 5	60	50
		CT 6	160	0
		STG 6	60	0
		7	100	0
		9	100	100
	Palo Seco	3	216	
		4	216	0
	Aguirre	1	450	0
		2	450	0
	Costa Sur	5	410	0
		6	410	350
	Subtotal	24%	2792	660
Peaker's	Reserve Generation Fleet			
	Aguirre Combine Cycle		592	150
	Peaking Units (PS,AG,CS,VB,Job,Yab,& Dag)		315	121
	San Juan Trailer Mounted (TM)		250	200
	Palo Seco Trailer Mounted (TM)		90	69
	Palo Seco Mobile Pac (MP PW FT-8)		81	81
	Mayaguez Gas Turbine		220	97
	Cambalache Gas turbine		248	156
	Subtotal	49%	1796	874
Genera Total				1534
Others	AES			508
	Ecoelectrica			566
	Hydroelectric			10
	Renewables			0
	Subtotal	Values provided by Luma		1084
System - Grand Total				2618
Peak Demands (Forecast)				2475
Reserve				143
Previous day Peak				2231

DAILY GENERATION AVAILABILITY REPORT

LUMA is not responsible for generation and is providing this report as part of service to our customers.
The report shows the availability generation as reported daily by each generator.

3/31/2025

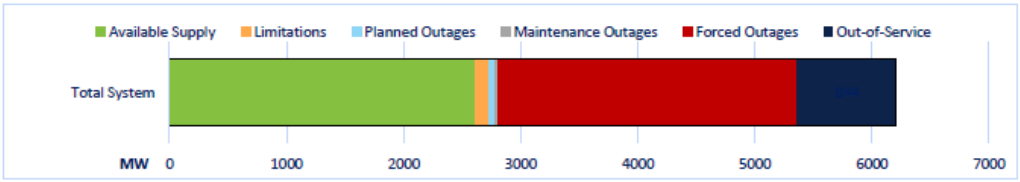
Projected System Availability and Reserves

2,450 PEAK DEMAND	650 REQUIRED RESERVES	482 RESERVES SHORTFALL
2,618 AVAILABLE SUPPLY	168 AVAILABLE RESERVES	42% AVAILABILITY RATE

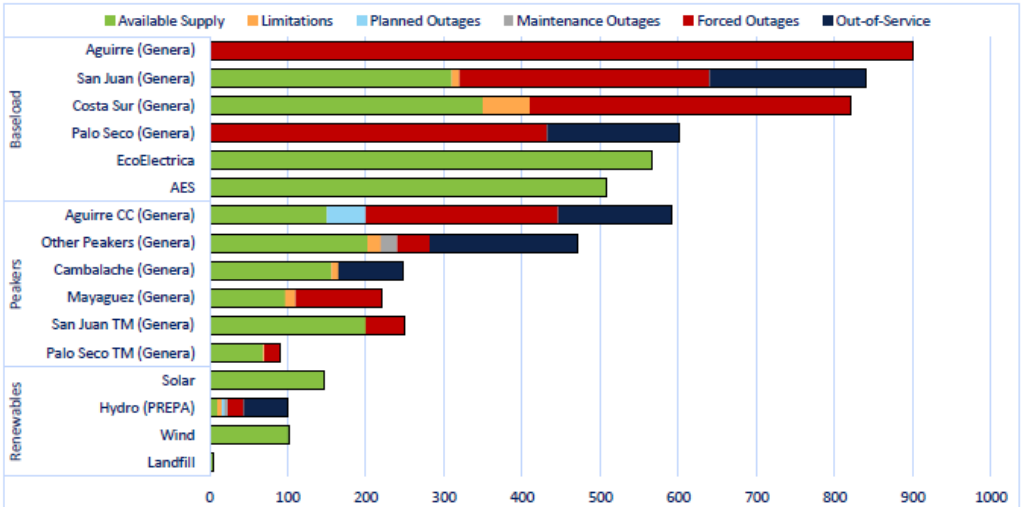
*Units are shown in MW

Previous Day	3/30/2025
Min. Demand 1,546 MW	Time: 12:05 PM
Peak Demand 2,232 MW	Time: 8:39 PM
Total Generation 39,403 MWh	

System Availability and Status



Availability and Status as reported by each Generator



	Renewables				Peakers						Baseload					
	Landfill	Wind	Hydro (PREPA)	Solar	Palo Seco TM (Genera)	San Juan TM (Genera)	Mayaguez (Genera)	Cambalache (Genera)	Other Peakers (Genera)	Aguirre CC (Genera)	AES	EcoElectrica	Palo Seco (Genera)	Costa Sur (Genera)	San Juan (Genera)	Aguirre (Genera)
Available Supply	5	101	10	147	69	200	97	156	202	150	508	566	0	350	310	0
Limitations	0	0	6	0	1	0	13	9	17	0	0	0	0	60	10	0
Planned Outages	0	0	4	0	0	0	0	0	0	50	0	0	0	0	0	0
Maintenance Outages	0	0	4	0	0	0	0	0	21	0	0	0	0	0	0	0
Forced Outages	0	0	20	0	20	50	110	0	42	246	0	0	432	410	320	900
Out-of-Service	0	1	56	0	0	0	0	83	189	146	0	0	170	0	200	0
Installed Capacity	5	102	100	147	90	250	220	248	471	592	508	566	602	820	840	900

MW

GPR–PREB–NEPRMI20210014–20240226 #3

3. Report on Genera's success in accurately predicting and achieving scheduled Regular Maintenance Program timeframes and durations as stated in the document titled, Generation Fleet Outage Schedule Planned Maintenance and Critical Component Replacement Program. Specify the reasons causing any deviation to the established Planned Maintenance and Critical Component Replacement Program schedule.

Response:

Since Genera commencement day, the following programmed outages have been performed:

1. Costa Sur Unit 5 Major Maintenance: This unit outage began in July 2023. However, delays related to contract change orders and lead times impacted the scheduled timeframe for this maintenance.
2. Costa Sur Unit 6 Environmental Outage: This scheduled outage commenced in January 2024. The maintenance was affected by the failure of the emergency station service transformer and the normal service station transformer 6B. This matter triggered new contract requisitions to replace, test and commission these transformers.
3. Palo Seco Unit 3 Major Inspection: This scheduled outage started in November 2023. This works included major maintenance of the turbines, the main power transformer, auxiliary equipment, and the replacement of the economizer. The contractors in charge of performing this maintenance faced delays due to changes in the scope of work since damage to the rotor was more extensive than expected, execution challenges, and lead times for major components.

Q1 Response:
According to the Outage Schedule no units are programed for maintenance during the reported quarter. An update on the units reported last quarter is included:

1. Costa Sur Unit 5 Major Maintenance: This outage began in July 2023. However, delays related to contract change lead times impacted the scheduled timeframe for this maintenance. An outage is scheduled for January 2025 to install the air heater baskets which are considered critical components.

2. Costa Sur Unit 6, Environmental Outage: Completed on May 10, 2024.

3. Palo Seco Unit 3 Major Inspection: Completed on July 18, 2024.

Q2 Response:

Key scheduled outages and delays during the second quarter include:

1. San Juan Unit 5 had a scheduled outage for a borescope inspection during the second week of November, lasting one week.
2. San Juan Unit 7's maintenance was extended from March 2025 to May 2025 due to procurement process issues.
3. San Juan Unit 9 was taken out of service one week later than planned due to the borescope inspection of San Juan 5.
4. Costa Sur Unit 5's maintenance was postponed from January 2025 to February 2025 due to delays at the Aguirre Steam Plant.
5. Aguirre Unit 1 scheduled outage for generator hydrogen leak repairs was delayed from November 7 to November 27, 2025, due to the Puerto Rico election process.
6. Aguirre Unit 2 programmed outage was delayed from December 1 to December 30, 2024, due to hydrogen leaks detected by General Electric during final tests by General E.

Q3 Updated Response:

Genera has made substantial efforts to adhere to the timeframes and durations outlined in the Generation Fleet Outage Schedule – Planned Maintenance and Critical Component Replacement Program. However, several deviations occurred due to unforeseen technical issues and external contractor delays. Below is a summary of the relevant cases:

1. **Aguirre Unit 1** underwent a scheduled outage for generator hydrogen leak repairs, which was successfully completed in January 2025. However, on February 14, 2025, the unit experienced a catastrophic failure in the generator, which was not anticipated in the original maintenance scope.
2. **Aguirre Unit 2** completed its planned maintenance activities, but during the startup process, a generator fault was detected. Repairs are currently underway and are expected to be completed by mid-June 2025.
3. **San Juan Unit 9** was originally scheduled to be completed in the first week of June 2024. However, delays in the delivery of work by external contractors extended the outage, and the unit was not returned to service until January 22, 2025.

While these deviations affected the original timelines, Genera continues to prioritize system reliability and safety and has implemented corrective measures to reduce the likelihood of similar delays in future maintenance activities.

GPR–PREB–NEPRMI20210014–20240226 #4

4. Report on Genera's success in accurately predicting and achieving scheduled Critical Component Replacement Program timeframes and durations as stated in the document titled, Generation Fleet Outage Schedule Planned Maintenance and Critical Component Replacement Program. Specify the reasons causing any deviation to the established Planned Maintenance and Critical Component Replacement Program schedule.

Response:

Issues that are impacting the critical components replacement program timeframes are the following:

1. Difficulties in getting the technical specs of critical components due to old equipment and lack of support from OEMs & suppliers delayed the process.
2. Long lead times for the equipment from suppliers (1 – 2 years).

Q1 Response:

Technical specs were obtained from different sources which allows to procure parts needed for regular maintenance. Long lead times continues to present a constrain.

Q2 Response:

There are 70 critical components in various stages of the procurement process:

- 48 items have vendors already selected.
- 9 items have closed requests for proposals.
- 6 items are in the evaluation process.
- 7 items have open requests for proposals.

Q3 Updated Response:

As of the reporting date, Genera has made progress in implementing the Critical Component Replacement Program as outlined in the *Generation Fleet Outage Schedule – Planned Maintenance and Critical Component Replacement Program*. While some delays have occurred, Genera remains committed to executing this program in alignment with established schedules, subject to vendor availability and procurement outcomes. The current status is as follows:

- **39 items** have had vendors selected and are proceeding according to procurement and installation schedules.
- **21 items** have completed the request for proposal (RFP) process and are in various stages of contracting and execution.
- **5 items** received no bids and will be reissued to ensure proper vendor participation and competitive pricing.
- **4 items** fall under other categories.

Any deviations from the original schedule have primarily resulted from limited vendor response, extended lead times for critical components, and necessary revisions to technical specifications. Genera continues to work proactively to mitigate delays and ensure the timely replacement of critical components across the fleet.

GPR–PREB–NEPRMI20210014–20240226 #5

5. Report on incidents of unplanned outages in Genera's Generation Fleet, including reason for outage, duration of outage, generation plant unit experiencing the outage, and how the duration of the outage was affected by availability or unavailability of Consumables, Spare Parts, and Capital Spare Parts.

Response:

See attachments GPR–PREB–NEPRMI20210014–20240226 #5.

Q1 Response:

No Changes

Q2 Response:

Please see attachment GPR–PREB–NEPRMI20210014–20240226 #5.

Q3 Updated Response:

Please see attachment GPR–PREB–NEPRMI20210014–20240226 #5.

GPR–PREB–NEPRMI20210014–20240226–ATTA #C13(a)(i)

i. Provide reasons for any maintenance delays and describe mitigating measures identified to reduce future and shorten existing delays.

Q3 Updated Response:

Please see answers GPR–PREB–NEPRMI20210014–20240226 #3 & GPR–PREB–NEPRMI20210014 – 20240226 #5.

Unit	Outage Reason	Date	Duration (Hrs)	Corrective Action
San Juan ST 5	Servo control system problem	1-Jan	39.3	Unit out of service due to servo control system problems. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Servo control system problem	3-Jan	44.9	Unit out of service due to servo control system problems. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Servo control system problem	5-Jan	42.5	Unit out of service due to servo control system problems. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Steam turbine problems	12-Jan	0.4	Unit out of service due to high indication of turbine thrust position. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Steam turbine problems	12-Jan	17.8	Unit out of service due to high indication of turbine thrust position. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Fire protection system	21-Jan	12.5	Unit out of service due to fire protection system. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Indication SH IP temperature	30-Jan	13.4	Unit out of service due to indication of SH IP temperature. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Switchyard equipment - external (OMC)	1-Jan	3.2	Unit out of service due to electrical system lines event. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Condensing system controls and instruments	2-Jan	10.6	Unit out of service to remove debris. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Fire protection system	21-Jan	9.3	Unit out of service due to fire protection system. It was corrected and the unit was reincorporated to the electrical system.

Palo Seco 3	Electrical Maintenance error	23-Jan	5.63	Sudden Pressure Protection triggering conditions were not real but caused by a contact in the terminal block during the troubleshooting process.
Palo Seco 4	Stator, General	1-Jan	744	Generator is under inspection for repairs.
Costa Sur 5	Switchyard problem	1-Jan	47.92	Switchyard 230 KV problems. It was corrected and the unit was reincorporated to the electrical system.
Costa Sur 6	Switchyard problem	1-Jan	23.63	Switchyard 230 KV problems. It was corrected and the unit was reincorporated to the electrical system.
Aguirre 1	Economizer piping	5-Jan	85.48	Broken economizer. Correction completed.
Aguirre 1	Economizer piping	12-Jan	68.72	Broken economizer. Correction completed.
Aguirre 1	Economizer piping	17-Jan	47.48	Broken economizer. Correction completed.
Aguirre 1	Hydrogen seals	20-Jan	9.47	Outage due to low differential of air oil vs hydrogen. Correction completed.
Aguirre 1	Forced draft fan controls	24-Jan	82.23	Outage due to air flow. Correction completed.
Aguirre CC 1-1	Voltage protection	1-Jan	1	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-1	Voltage protection	1-Jan	0.5	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-1	Generator break	5-Jan	2.1	Unit did not synchronize. The generator's breaker was turned off, lubricated and tests to the wiring were performed. Correction completed.
Aguirre CC 1-1	DC power problem	9-Jan	2.6	Correction completed. Charger #1 did not reach capacity; charger #2 was inserted.
Aguirre CC 1-2	Voltage protection	1-Jan	1	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-2	Voltage protection	1-Jan	0.5	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-2	Exciter problem	4-Jan	336.3	Multiple megger tests were performed and no reason was detected.
Aguirre CC 1-2	Volt conductor	25-Jan	14.3	Unit was delivered available and able to synchronize with voltage.

Aguirre CC 1-2	Fuel system problem	31-Jan	6.8	Correction completed. Fuel input pressure was adjusted from 95 to 75 psi, fuel bypass valve was calibrated.
Aguirre CC 1-4	Voltage protection	1-Jan	1	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-4	Voltage protection	1-Jan	0.5	Units of Stag 1 were normalized and put in service.
Aguirre CC 1-4	Exciter problem	13-Jan	219.3	Multiple megger tests were performed and no reason was detected.
Aguirre CC 1-V	Condenser tube fouling shell side	1-Jan	744	In process. Ultrasound test was performed and detected a broken tube of the condenser. Pending quote by Reliable Industrial.
Aguirre CC 2-1	Volt circuit breaker	1-Jan	744	Correction in process.
Aguirre CC 2-2	Switchyard equipment - external (OMC)	1-Jan	730	Pending quote by Beta Electric for cable repairment o aereal instalation.
Aguirre CC 2-3	Major generator overhaul	1-Jan	744	Pending approval for major inspection.
Aguirre CC 2-4	Switchyard equipment - external (OMC)	1-Jan	730	Pending quote by Beta Electric for cable repairment o aereal instalation.
Cambalache 3	Fuel system problems	2-Jan	6.47	Correction completed.
Cambalache 3	Gas turbine vibration	17-Jan	2.45	Correction completed.
San Juan CT 5	Feedwater valve	17-Feb	40.5	Unit out of service for valve repairment. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Hot well level controls	19-Feb	19.2	Unit out of service due to problems in the hotwell level control. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Switchyard equipment - external (OMC)	24-Feb	0.8	Unit out of service due to electrical system event. It was corrected and the unit was reincorporated to the electrical system.

San Juan ST 5	Lube oil cooler	15-Feb	129.1	Unit out of service due to MOT STG cooler maintenance. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Switchyard equipment - external (OMC)	24-Feb	2.0	Unit out of service due to electrical system event. It was corrected and the unit was reincorporated to the electrical system.
Costa Sur 6	Main transformer	24-Feb	7.17	Main power transformer fault pressure trip. Correction completed.
Palo Seco 3	Transmission system problems other than catastrophies	24-Feb	5.63	EH System was inspected and repaired. NSST pressure relief switches and protection relay were reset.
Palo Seco 4	Stator, General	1-Feb	672	Exciter Ground Protection Trip. Generator under inspection for repairs.
Aguirre 1	Stator windings, bushings, and terminals	14-Feb	346.97	Outage due to Unit Generator trip. Correction was completed.
Aguirre CC 1-2	Vibration of the turbine generator unit that cannot be attributed to a specific cause such as bearings and blades	3-Feb	1.3	Sensor cable was detected disconnected. This was corrected and put in service.
Aguirre CC 1-V	Condenser tube fouling shell side	1-Feb	672	In process. Ultrasound test was performed and detected a broken tube of the condenser. Pending movilization by Reliable Industrial.
Aguirre CC 2-1	400-700 volt circuit breakers	1-Feb	672	Correction in process.
Aguirre CC 2-2	Switchyard equipment - external (OMC)	1-Feb	672	Pending movilization of aereal installation by Beta Electric.
Aguirre CC 2-4	Switchyard equipment - external (OMC)	1-Feb	672	Pending movilization of aereal installation by Beta Electric.
Cambalache 2	Controls and instrumentation problems	18-Feb	1.15	Correction completed.
Cambalache 3	Cooling system problems	19-Feb	11.23	Correction completed.
Aguirre 1	Generator controls and metering problems	1-Mar	744	Rupture in the Generator. Correction completed.
Aguirre 2	Generator problems	1-Mar	744	Problems with the Generator rotor. Correction completed.

Aguirre CC 1-1	Exhaust problems	12-Mar	319.5	Correction completed. Welding was performed in the diffuser area y new seals were put. Performed by All Contractor company.
Aguirre CC 2-1	400-700 volt circuit breakers	1-Mar	744	Correction in process.
Aguirre CC 2-2	Switchyard equipment - external (OMC)	1-Mar	744	Correction in process. Beta Electric is working in aereal line.
Aguirre CC 2-4	Switchyard equipment - external (OMC)	1-Mar	744	Correction in process. Beta Electric is working in aereal line.
Cambalache 2	Cooling system problems	10-Mar	5.87	Correction completed.
Cambalache 3	Controls and instrumentation problems	14-Mar	1.67	Correction completed.
Palo Seco 3	Main transformer	15-Mar	15.5	Main Power Transformer bus support insulator phase C was replaced.
Palo Seco 3	Main transformer	21-Mar	5.33	Press Relief Relay was reset, also NSST and Generator Lockouts were reset. PRR was removed and auxiliary equipment was kept energized through ESST.
Palo Seco 4	Stator, General	1-Mar	744	Exciter Ground Protection Trip. Generator under inspection for repairs.
San Juan CT 5	Loss of vacuum	23-Mar	17.9	The unit was retired of service for condenser cleaning. It was corrected and the unit was reincorporated to the electrical system.
San Juan CT 5	Cooling system problems	26-Mar	2.5	Unit out of service due to problems in the cooling pump 5A. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Loss of vacuum	23-Mar	36.1	The unit was retired of service for condenser cleaning. It was corrected and the unit was reincorporated to the electrical system.
San Juan ST 5	Cooling system problems	26-Mar	7.1	Unit out of service due to problems in the cooling pump 5A. It was corrected and the unit was reincorporated to the electrical system.

San Juan ST 5	High pressure turbine problems	26-Mar	0.1	Low pressure in boiler HP. It was corrected and the unit was reincorporated to the electrical system.