

13th March 2025

Outturn Availability and Generator Forum



Agenda

Generation Outage Planning

Outturn Availability Ex-Post 2024 Report

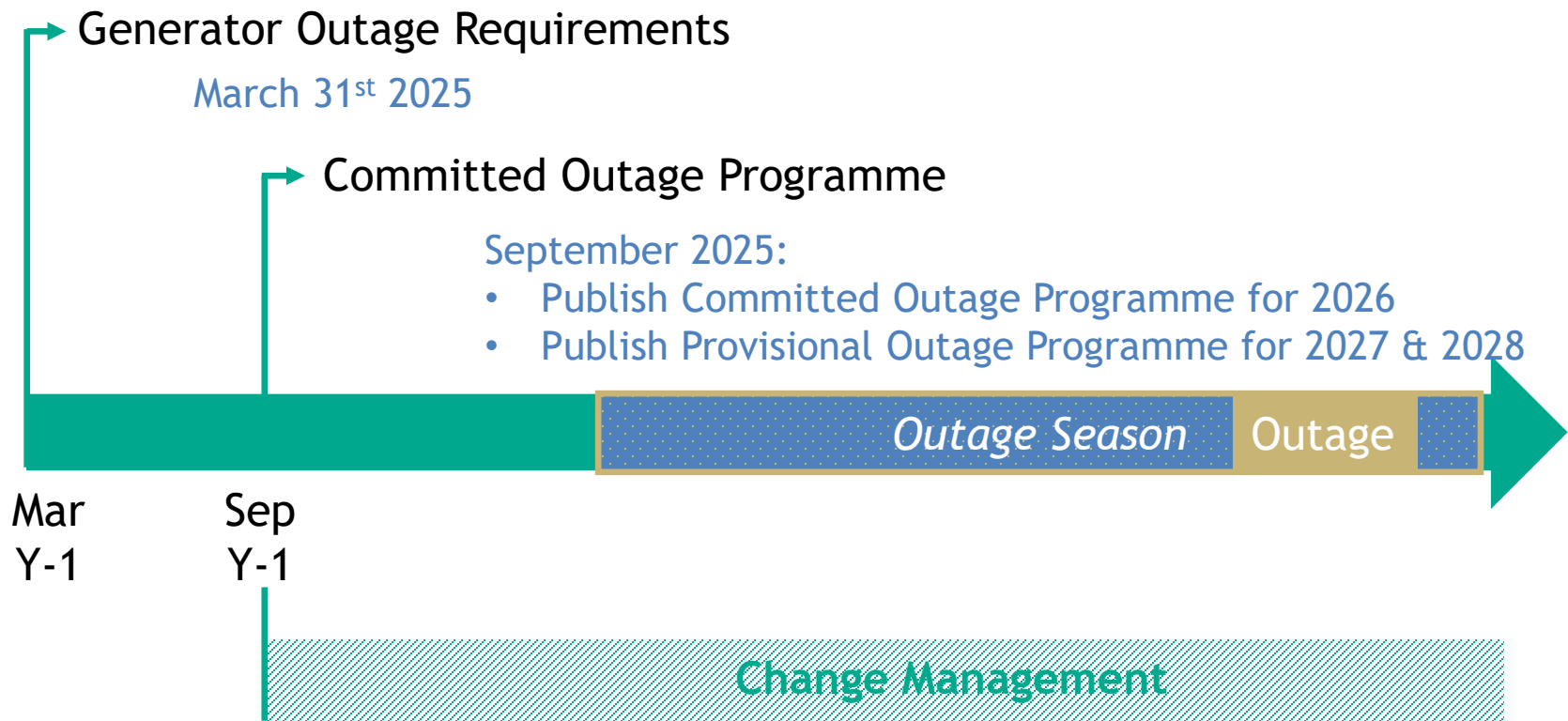
Proposed changes to Forum and Ex-Post Report



Generation Outage Planning



Outage Planning



Submission of Annual Outage Plans



Submission of Annual Outage Plans- Form GEN03

[illegible]

Please e-mail the completed form to OutagePlanning@eirgrid.com

You can also contact us at 01-2370878 or 01-2370493

Notes on completing the Submission of Annual Outage Plans form

- | | |
|--|---|
| 1) Year of Outage - please insert year that the outage is due to occur in | 6) Proposed Start Date - if an exact start date is required (ie 1st May), please insert the date and time here |
| 2) Company Name - please insert the name of the Company which owns the generator | 7) Proposed Finish Date - this must be the Proposed Start Date + number of days |
| 3) Station Name - please insert the name of the Station where the generator is located | 8) Outage Reason - please clearly state the outage reason, the work that will be carried out. If the registered characteristics of the unit might change to the outage work, then this must be stated here also |
| 4) Unit Name - please insert the name of the Unit (generator) | 9) Additional Information - please state any other information that would be of use to EirGrid |
| 5) # Days - please insert the duration of the outage in days | |



<https://www.eirgrid.ie/industry/customer-information/outage-information>

Generator Outage Detail -Form GEN04(V2.2)

Section 2 of 4: Availability of supply to the Generator Transformer

on Requirements

	Y/N	If Yes, please provide details (including estimated dates)	If Yes, please provide details (including estimated dates)	including
1. Are ESBN operators required to switch out/in the Grid-Connected Transformer?				
2. Are there any restrictions as to <u>when</u> EirGrid can schedule outages of your generation connection assets during the unit outage?				
3. Is work planned on the Grid-Connected Transformer?				
4. If yes to question 3, is this work mutually exclusive with ESBN work on 110kV/ 220kV/ 400kV side?				
5. If yes to question 3, will ESBN be requested to remove earths from the transmission side outside of the Operational Instruction?				
6. If yes to question 3, will the HV connections of the bushings need to be removed as part of the work?				
7. If yes to question 3, will standard points of isolation/disconnection be provided in adherence with the Operational Instruction, if no, please provide more information? Note: if work is to be completed on a standard point(s) of isolation/disconnection per the Operation Instruction, a special procedure will be required with pre-approval and signoff from the Generator, ESBN and EirGrid in advance of the outage commencing.				



Renewables - Outage Planning

- Grid Code requirements for outage planning apply (OC2)
- EirGrid endeavour to align maintenance with outages wherever possible
- Renewables Outage Request Form (SGU05): for all outages greater than 5 MW
- Request for Transmission Outage Form (Voluntary Outage): for work requiring an ESN operator
- Any questions, please contact your EirGrid Customers and Stakeholders account manager.

Note: Distribution connected assets:

All communications are through the DSO except SGU Outage Request Form - Send directly to TSO & copy DSO

Transmission Outage Request - VO



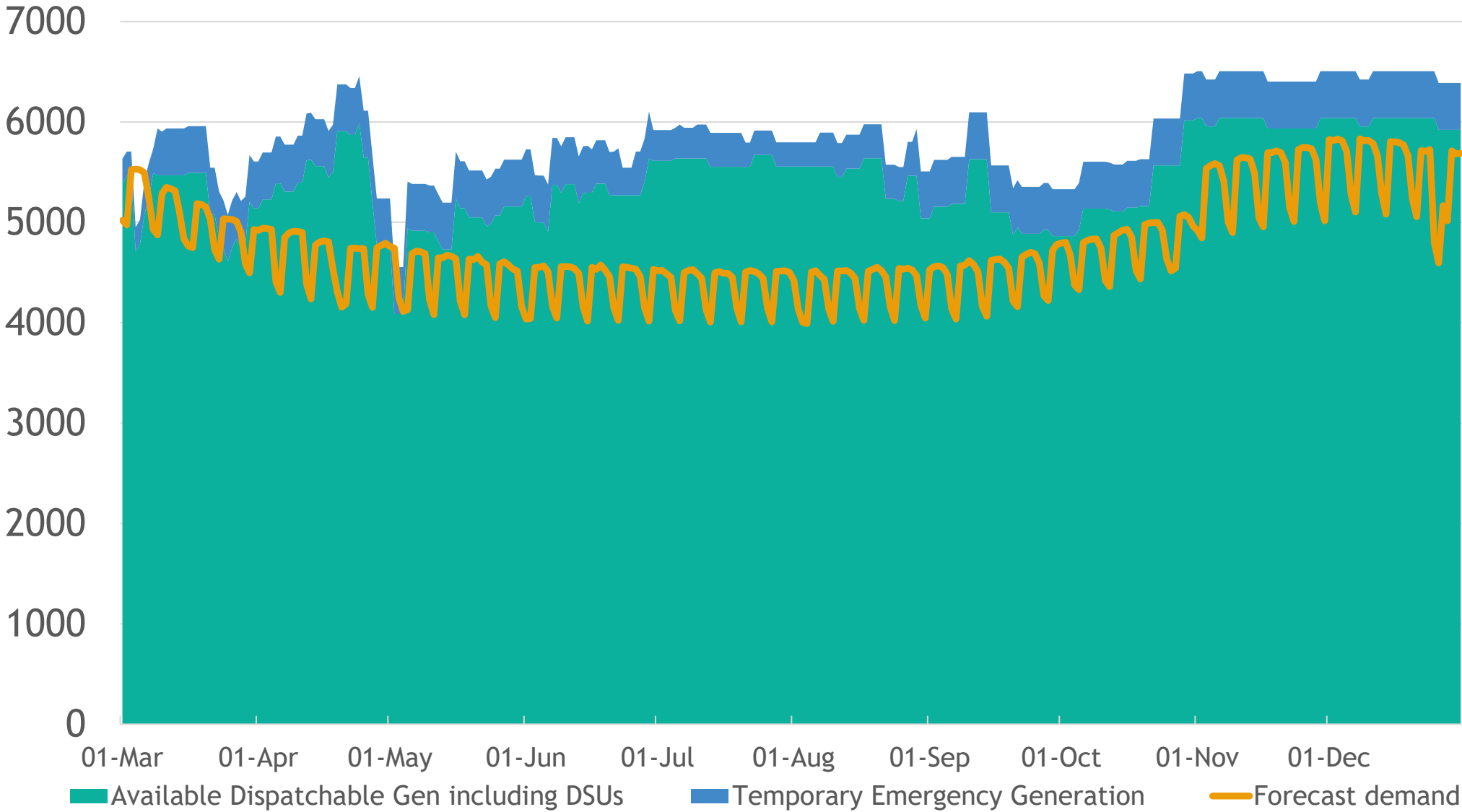
EirGrid Customer Form:

REQUEST FOR TRANSMISSION OUTAGE

To:	Transmission Outage Planning (TOP) & System Operations, EirGrid	
Company Name:		Date of Application:
Contact Details of Requesting Party: Name: Email: Phone no:		
Plant:		
From:	Hrs on:	
To:	Hrs on:	
Description of works/Purpose of Switching ¹ :		
Is an Energisation Instruction (EI) Required? ²		
Station In Charge of Switching:		
Declaration of Fitness Required(Y/N):		
Signed:		
Copies to: ➤ neartime@eirgrid.com ; & TOP@eirgrid.com; ➤ Cc: Info@eirgrid.com		



Margins outlook



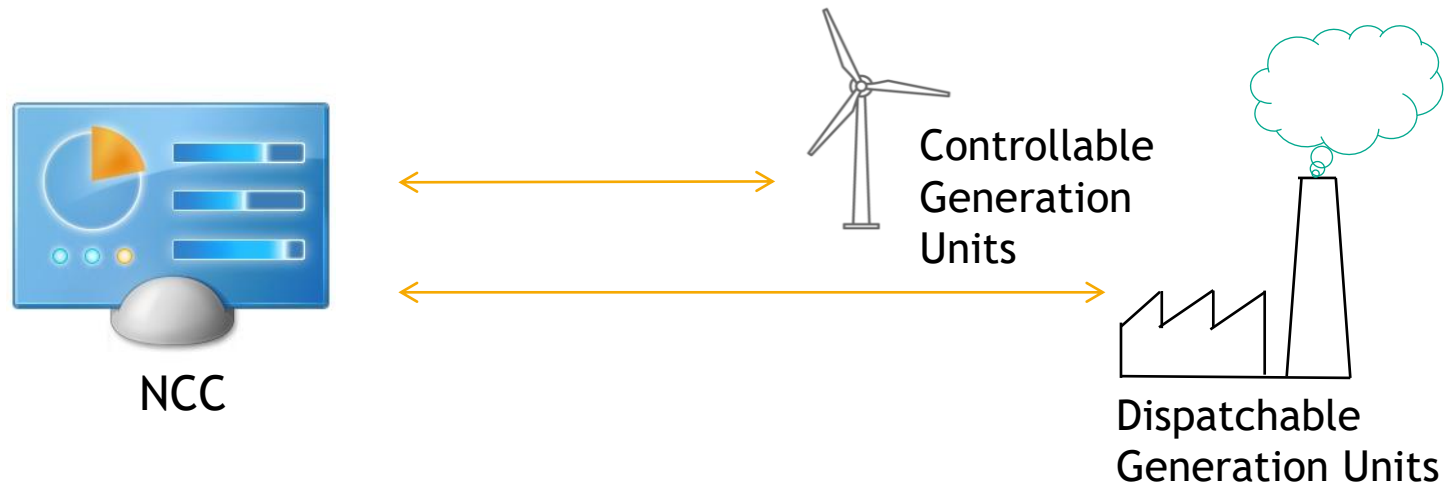
Ex-Post Overview of 2024

Overview of the 2024 OACA Outage Season

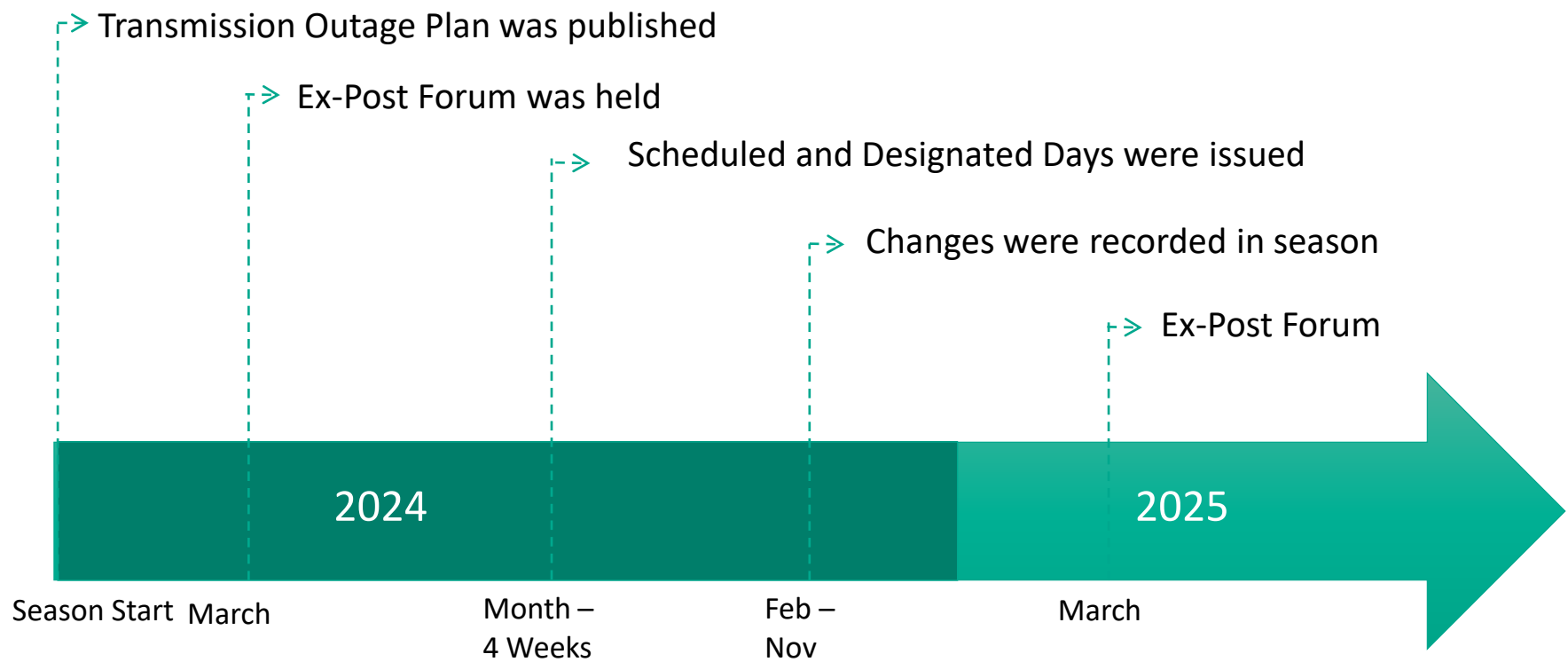


Scope of Outturn Availability

- SEM Dispatchable and Controllable Unit(s)
- *For disconnection of Outturn Availability Connection Asset(s) (OACAs) on the transmission system*



2024 Outage Season in Review



- Throughout the season, each generator received details of the days scheduled for the works and the designated days for the purposes of Outturn Availability (OA).

Hello XXX,
The following works are now scheduled:

GENERATOR TRANSFORMER - XXXXX						
TO-XX-XX-XXXXX-XX		ISO week: 17mo - 17sa		Date: 24 Apr - 29 Apr		Duration: 6 Days (5 WD) Status: Scheduled
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				6	Total Maintenance Outage Duration Requested	
OS	XX		DO	5	220kV SF6 Cubicle Ordinary Service	
AMCAB	XX		DO	2	Annual Insp. 400 & 220 Station OF Cable	
PROT	XX		DO	1	P1 - Maintenance of the bay protection relays	
CMCAB	XX	XXXX	DO	1	Replace Low & Differential Oil Alarm Gauge	

The designated days are the 24, 25, 26, 27, 28 April.
Regards,
Generation Outage Planning

Standard Reasons for Changes Used

System security (tight generation margins)	Changed to align with capital works
TAO resourcing constraints	Completed in previous year
Customer request	Generator requested change to Committed Outage Program

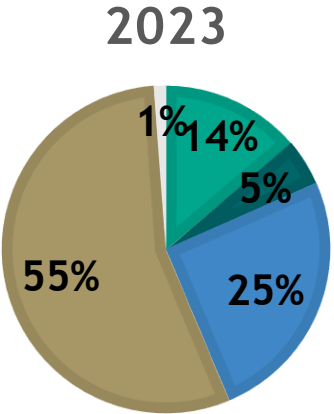
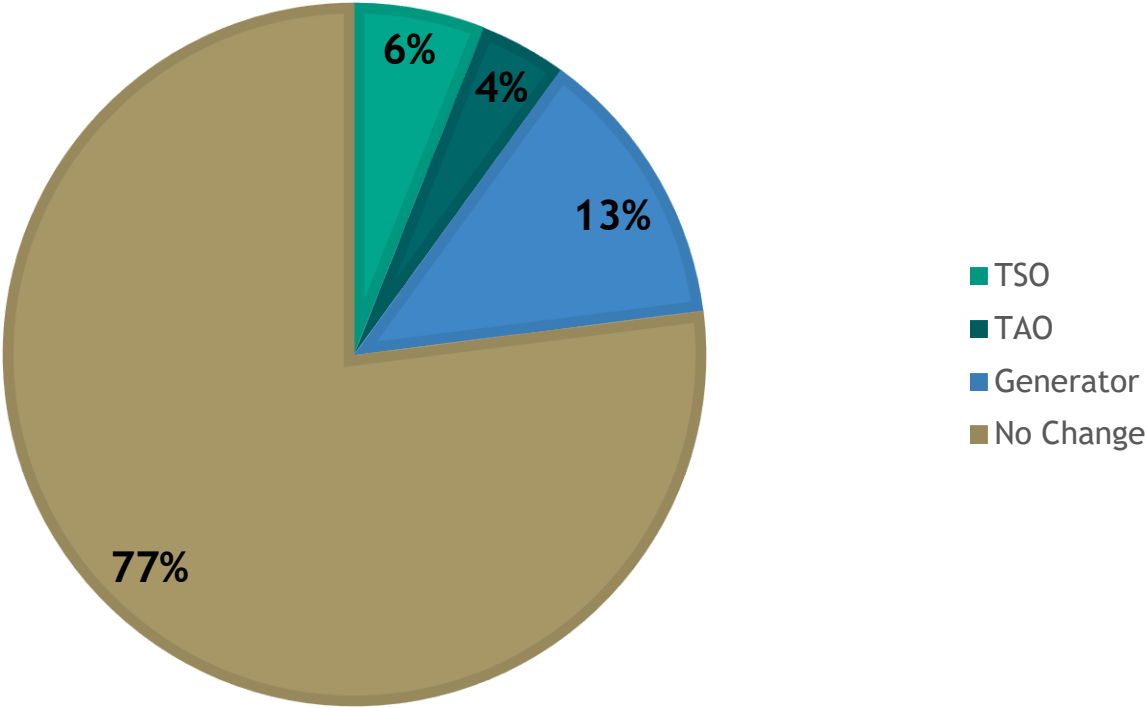
Changes Recorded in season

- Changes to the following were recorded in season.

#	Category	Communicated
1	Indicative window	February
2	Initial duration	February
3	Scheduled days	M-4 Weeks
4	Designated days	M-4 Weeks
5	Works description	Publication of Ex-Ante Report
6	Generator outage dates	Publication of COP
7	Scheduled works not completed	Publication of Ex-Ante Report

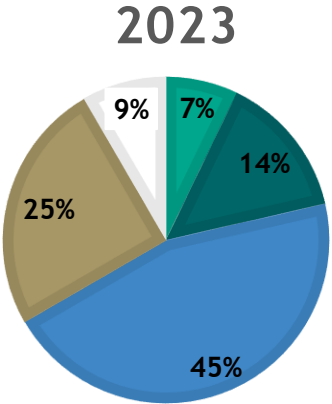
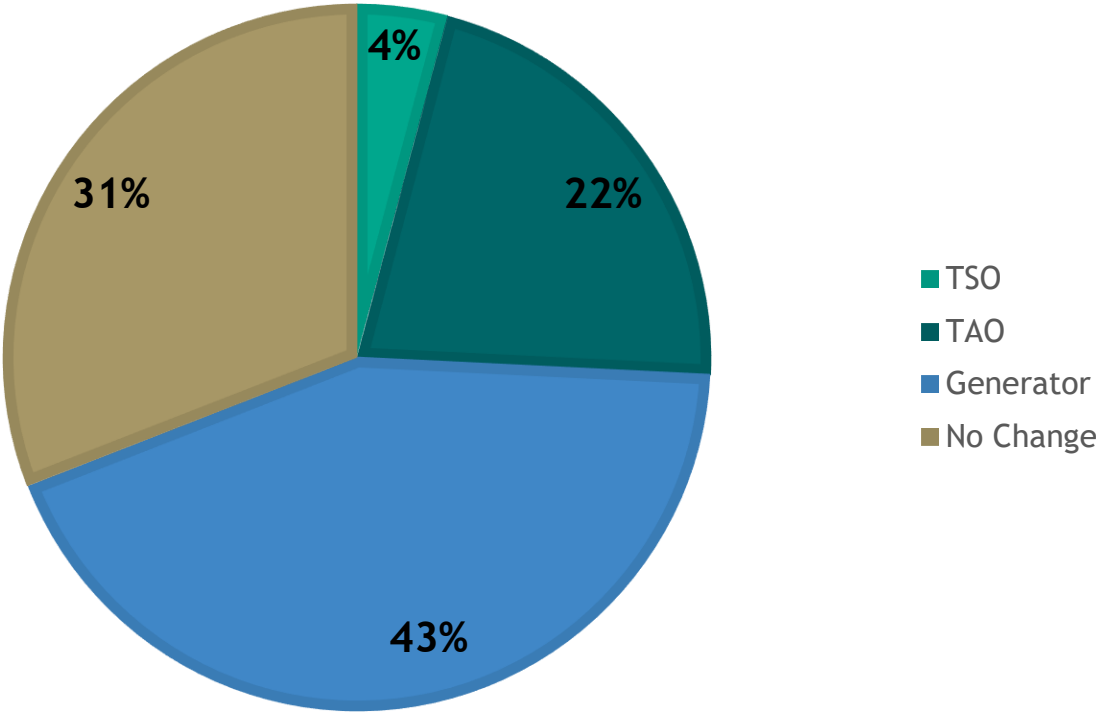
Category 1 : Indicative Window Communicated

Change to the indicative window communicated in February 2024



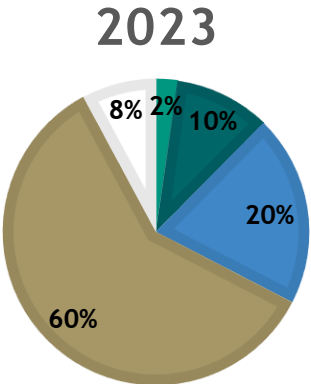
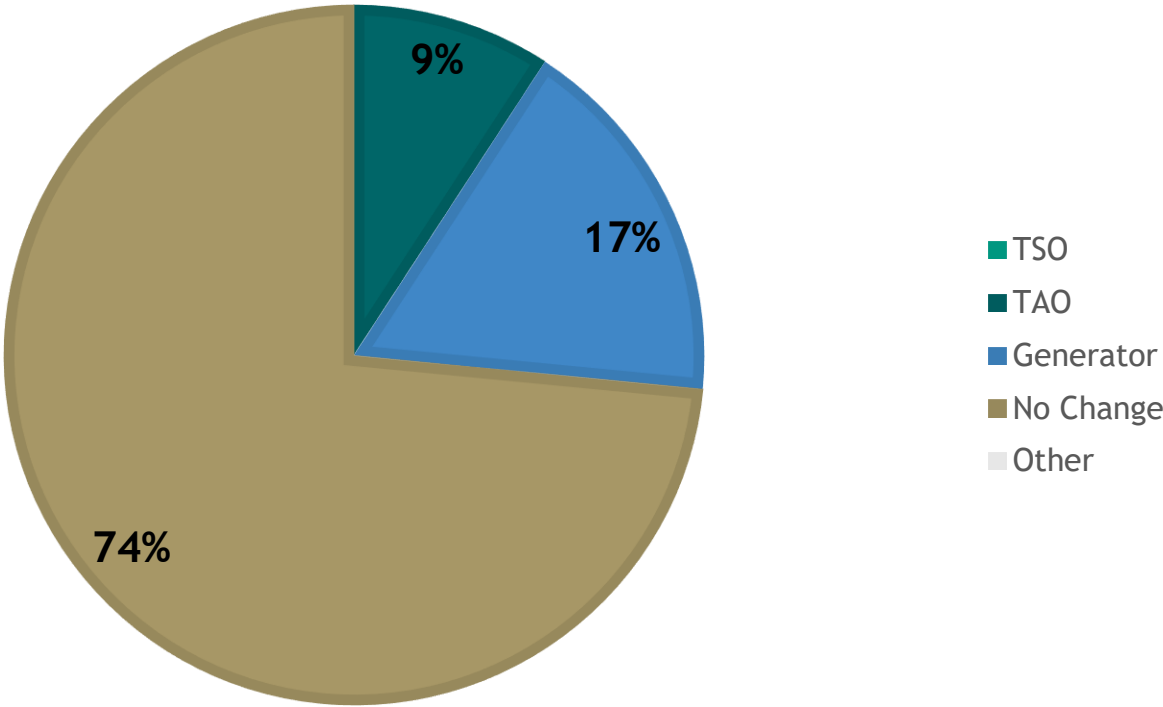
Category 2 : Initial Duration Communicated

Change to the number of days communicated in February 2024



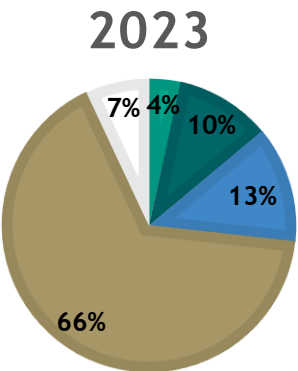
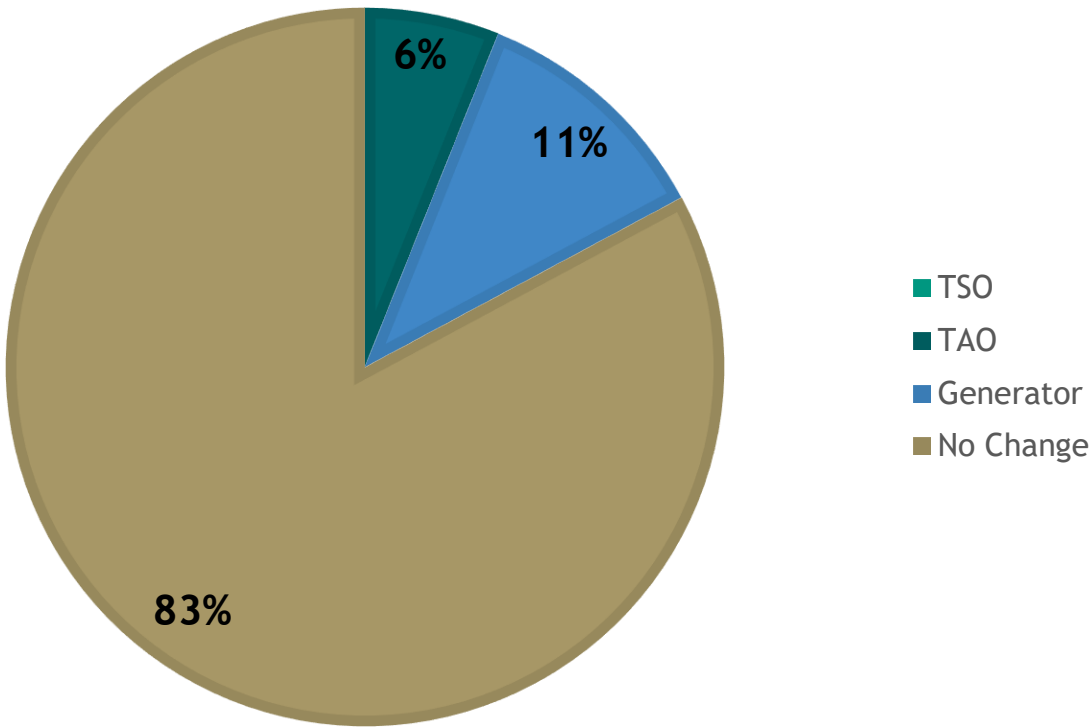
Category 3 : Scheduled Days Communicated

Change to scheduled days communicated M-1 to the generator and the actual outage days



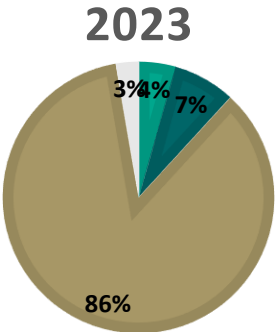
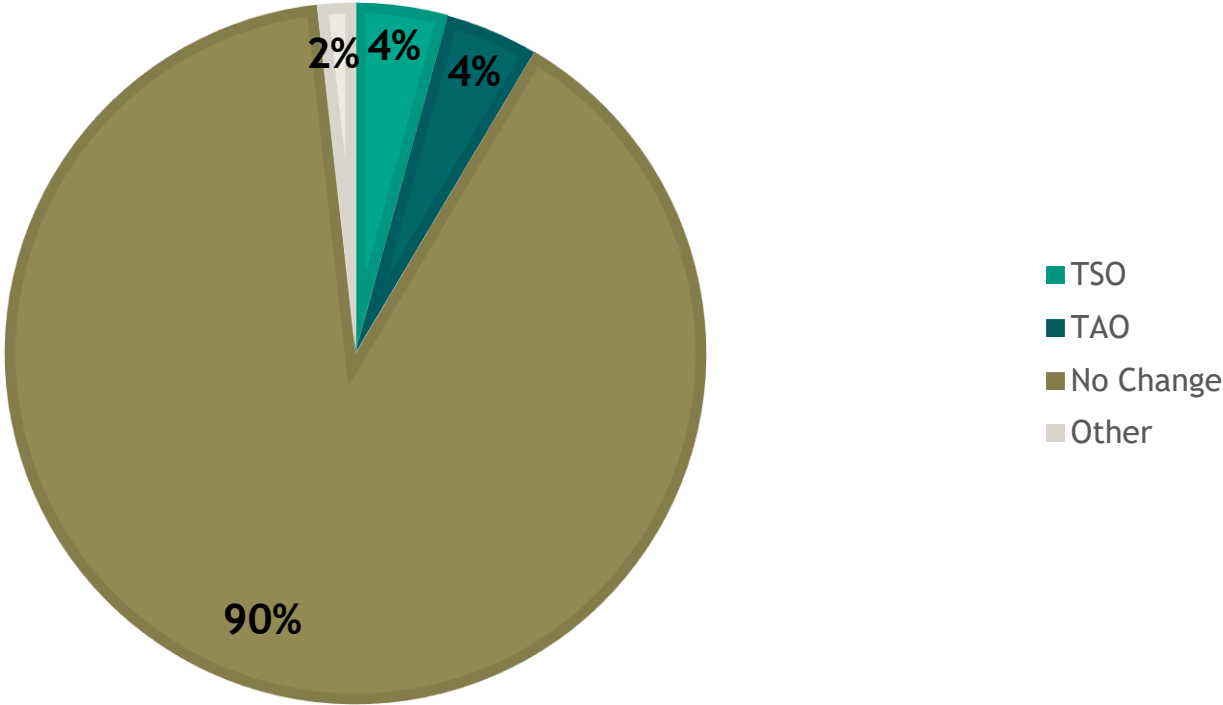
Category 4 : Designated Days Communicated

Change to the designated days communicated M-1 to the generator and the actual outage



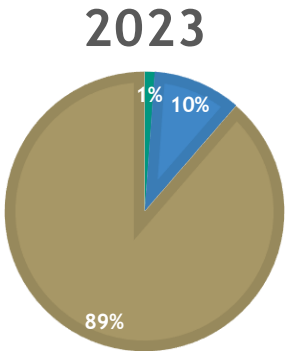
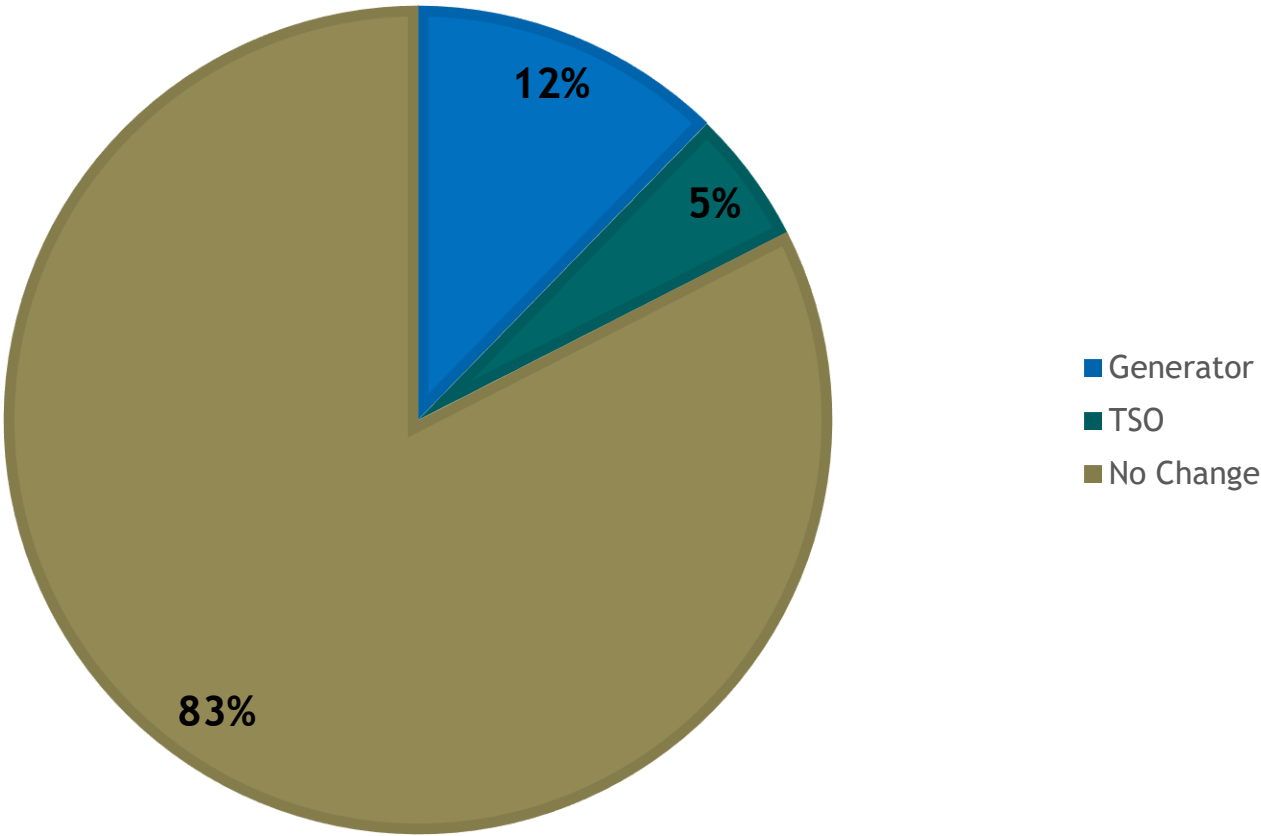
Category 5 : Works Description Communicated

Change to works description from those published in the Ex-Ante Report



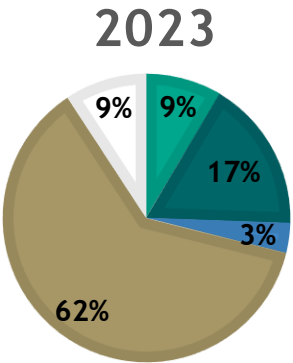
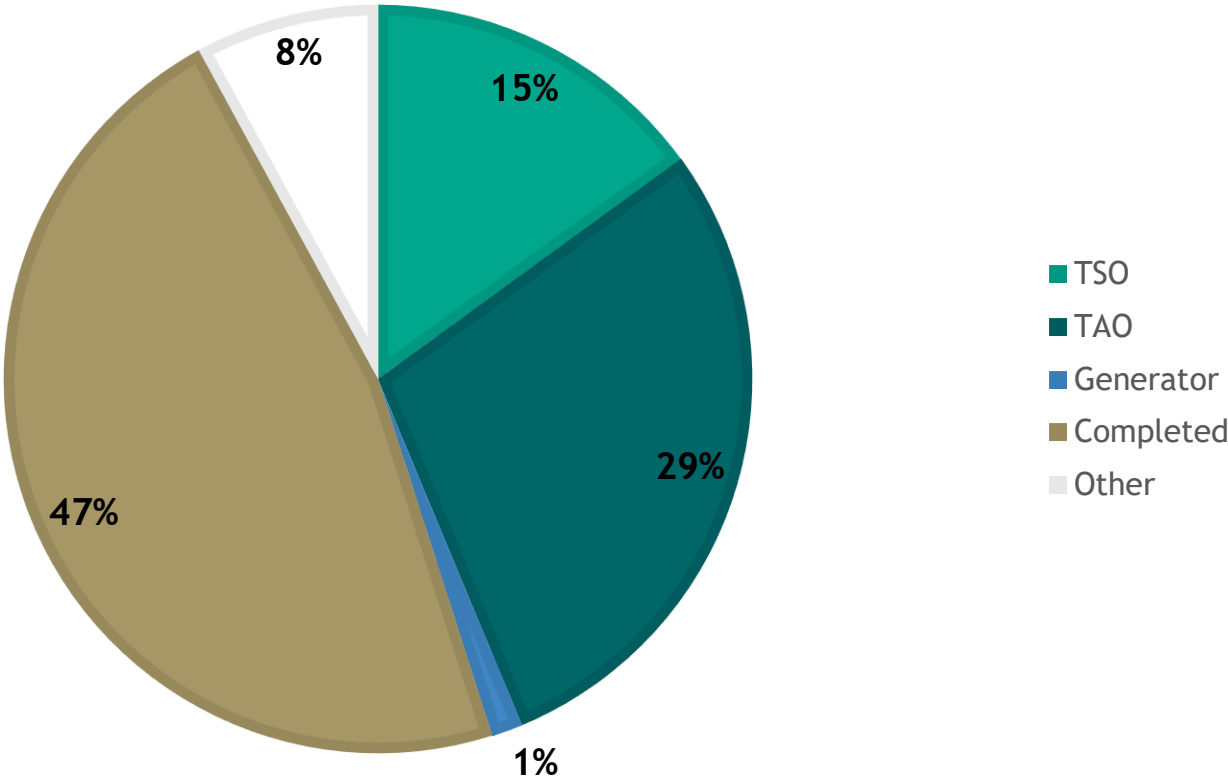
Category 6 : Generator Outage Dates

Change to generator outage dates resulting in a change to transmission maintenance dates

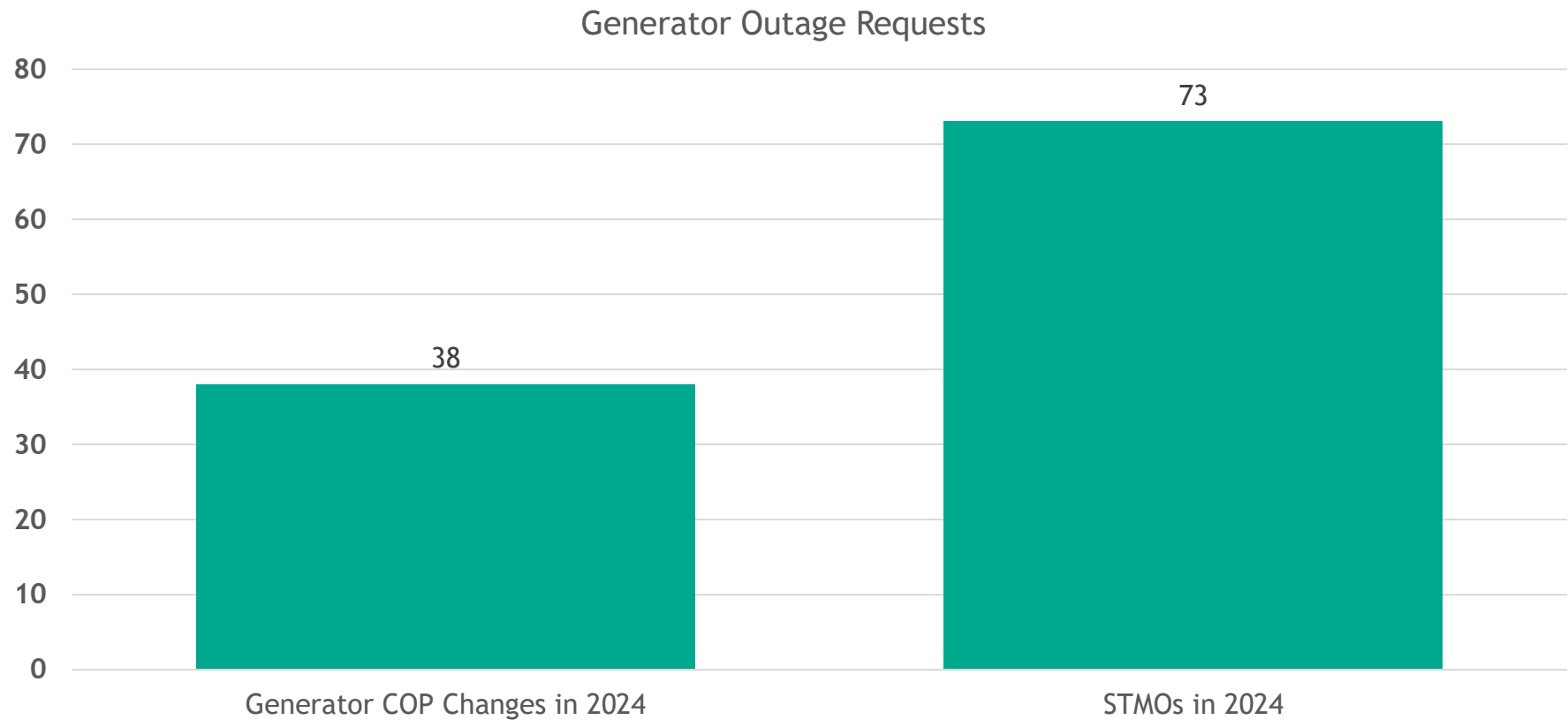


Category 7 : Scheduled Works Not Completed

Work items completed throughout the outage season



2024 Generator Change Requests



2024 Ex-Post Report

- Report contains the detailed information that was summarised in this presentation.
- The Ex-Post report was sent to CRU for review.
- Following CRU approval it was published on the EirGrid website.
- Comments on the format and content can be sent to outageplanning@eirgrid.com

EirGrid Ex-Post Outturn Availability Connection Asset Maintenance Report for the 2024 Outage Season

February 2025

2025 Ex-Ante Report

- Report contains the overview of 2025 OACA Maintenance Programme.
- The Ex-Ante report was sent to the CRU for review.
- Following CRU approval it was published on the EirGrid website.
- Comments on the format and content can be sent to outageplanning@eirgrid.com



EirGrid Ex-Ante Outturn Availability Connection Asset Maintenance Plan for the 2025 Outage Season

February 2025



The Oval, 160 Shelbourne Road, Ballsbridge, Dublin D04 FW28
Telephone: +353 1 677 1700 | www.eirgrid.com

Proposed changes to Forum and Ex-Post Report

Proposals

- Forum

- Keep annual forum but would not present
- Open floor for questions based on Ex-Ante and Ex-Poste reports which will have been published two weeks prior
- Happy to cover topics requested

- Ex-Post Report

- Publish the report as normal but only with information as required under SEM-15-07
- This would mean removing data relating to changes to Window, changes to Scheduled Days communicated Month – 1, changes to Designated Days communicated Month – 1 and changes to Generator Dates
- It would still include the outage dates, outage durations and works published in the ex-ante report, and the actual outage dates, actual outage durations and actual works completed during the year for comparison
- Happy to answer specific customer queries

- Request that any feedback on the proposals be sent to outageplanning@eirgrid.com by Friday, 28 March

Questions?