

EirGrid Ex-Post Outturn
Availability Connection
Asset Maintenance Report
for the 2019 Outage
Season



Introduction and Background

The Single Electricity Market Committee (SEMC) decision SEM-15-071 “Process for the Calculation of Outturn Availability” was published on 29 September 2015. The decision applies to both transmission and distribution connected Centrally Dispatched Generating Units (CDGUs) and Controllable Wind Farm Power Stations (WFPS) which are disconnected as a direct result of a transmission outage scheduled by the TSO. Outages on the distribution system are not related to the decision paper.

This Ex-Post Outturn Availability Connection Asset (OACA) Maintenance Report contains details of the maintenance of OACAs for the 2019 outage season, in accordance with the SEMC decision.

The OACAs of a generation unit include any transmission equipment between and including the Connection Point and the busbar disconnects at the Transmission Station. Annual maintenance on connection assets associated with the relevant generation unit may disconnect a generation unit that is technically available at the connection point. This maintenance is scheduled by TSO and carried out by the TAO. A summary report of the outage schedule to facilitate this maintenance work is published annually at the start of each calendar year. A summary of the outage schedule at the end of each year is published. This is included in Appendix 3. Differences between the Ex-Ante and the Ex-Post summary are identified in the Overview of 2019 Outage Season.

Other documents to be considered when reviewing this report include

- [SEM-15-071 Outturn Availability Decision Paper](#)
- [SEM-15-106 Outturn Availability addendum to SEM-15-071](#)
- [The EirGrid and SONI Implementation Approach to the SEM Committee Decision Paper SEM-15-071](#)
- [EirGrid Ex-Ante Outturn Availability Connection Asset Maintenance Plan for the 2019 Outage Season](#)

Overview of the 2019 Outage Season

During the 2019 outage season:

- 97 OACA outages were processed. This figure was subject to in-season change as network configurations changed and as facilities moved to Controllable status in the market.
- 67 scheduled generator outages were planned in the Committed Outage Programme (COP) at the start of 2019. In season:
 - The TSO approved more than 78 changes to the generator outage dates as published in the COP.
 - The TSO received 79 Short-Term Maintenance Outage requests (STMOs as described on the EirGrid website) of which 63 were accommodated.

The results of the season are presented here, with descriptions and supporting information contained in the Appendices.

The figures below outline percentage changes under a number of different categories. Each category is described in detail in Appendix 2. Percentages are reported based on the Transmission Outage Programme Identification Number (TOP-IDs)¹ of TSO scheduled works. A TOP-ID is a unique identifier assigned for each outage and was linked to one specific connection asset.

As a generation unit's OACAs may contain several unique assets it may in turn have more than one TOP-ID for planned outages. For example, one TOP-ID may be linked to a generator transformer bay, while another TOP-ID may be linked to the cable from the meshed transmission station to that same generator transformer bay. As such, some TOP-IDs are intrinsically linked and a change of the works associated with one TOP-ID may also be linked to a change of the linked TOP-ID.

As noted above, Appendix 2 describes the categories for which changes are reported for each TOP-ID. For each reporting category for each TOP-ID, Appendix 3 reports whether there was a change to any work item. In the following pages, graphs are presented showing the percentage changes (i.e. Yes there was a change) for each of the reporting categories. The percentage change is divided into four groupings, "TSO Driven Change", "TAO Driven Change", "Generator (Gen) Driven Change" and "Non-Specific Change". "Non-Specific Change" covers the situation

¹ The EirGrid Ex-Ante Outturn Availability Connection Asset Annual Maintenance Plan 2019 assigned an identifying number referred to as the TOP-ID to each outage. This TOP-ID started with the letters TO, for example the TOP-ID for the outage of a circuit between station1 and station2 may be TO-19-ST1-ST2-1-01.

where the reason for the change is not directly applicable to the TSO, TAO or the generator.

The Transmission Outage Programme (TOP) process introduced in 2016, which issued indicative windows as opposed to specific outage dates at the start of the season, successfully accommodated the majority of generator outage changes without adversely impacting the programme. As shown in Figure 1, of all the indicative windows communicated in February 2019, approximately 75% remained unchanged at the end of the season, with 17% of the change driven by generator requested changes to outage dates.

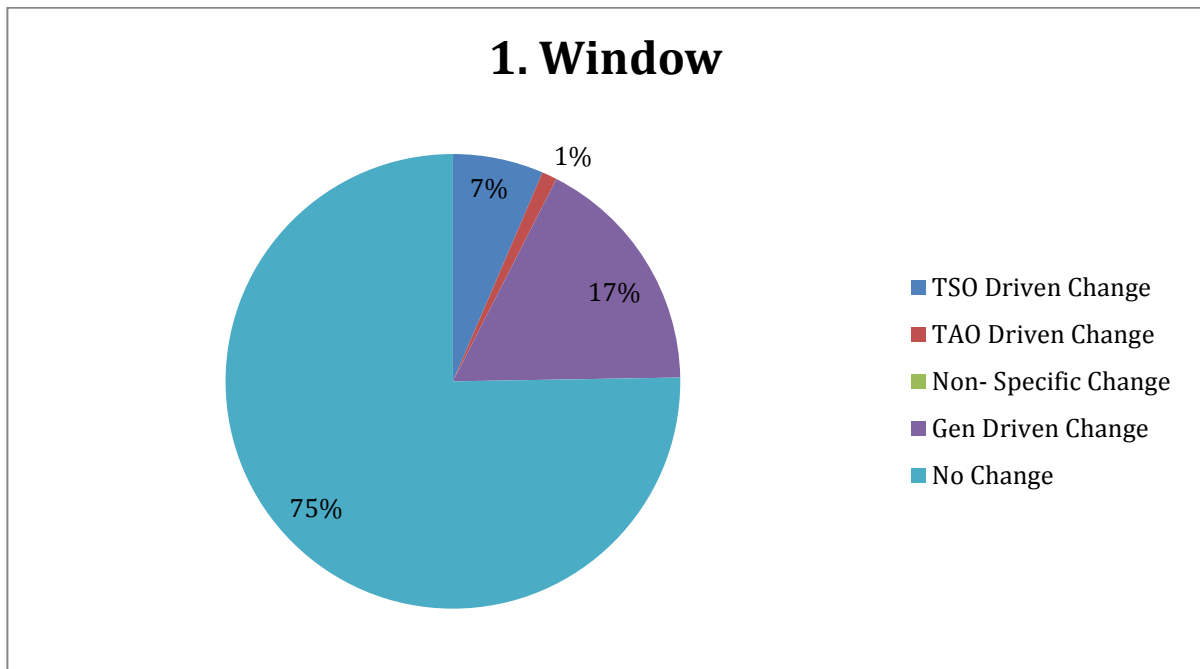


Figure 1: Category 1 - Indicative window communicated ex-ante

Figure 2 shows that 78% of the initial durations communicated ex-ante remained unchanged from the start of the season. Of the 22% of durations that did change, these were related to TSO and TAO change requests.

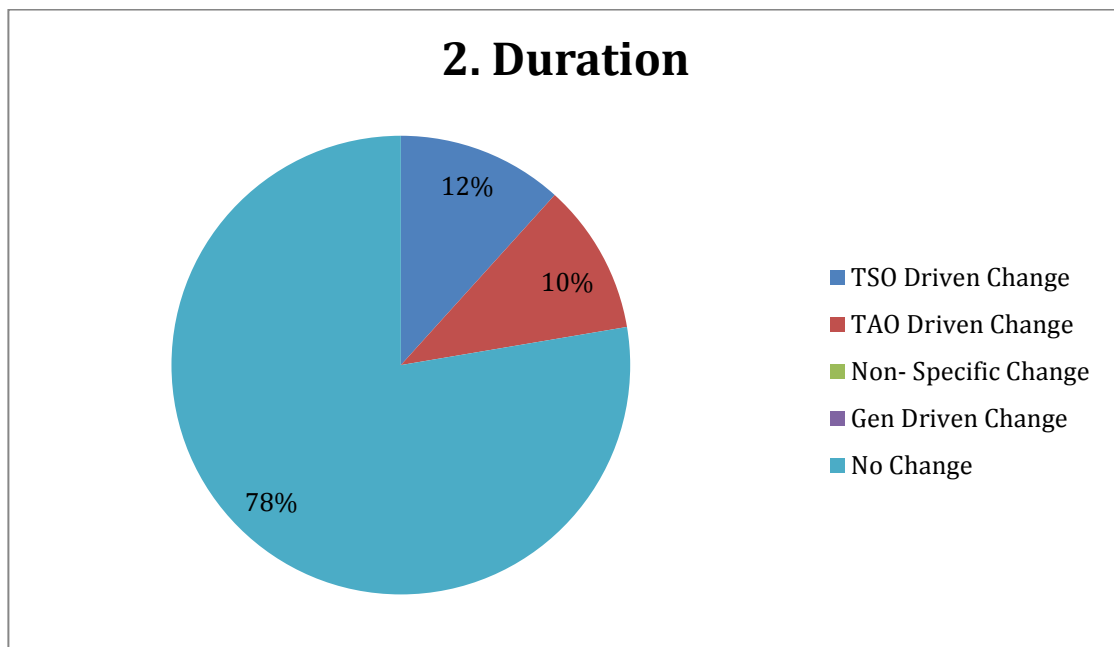


Figure 2: Category 2 - Initial duration communicated ex-ante

As shown in Figure 3 changes in the scheduled days communicated ex-ante largely originated from changes in generator outage dates or generator requests. Additional changes were due TAO or TSO having to postpone or reschedule work.

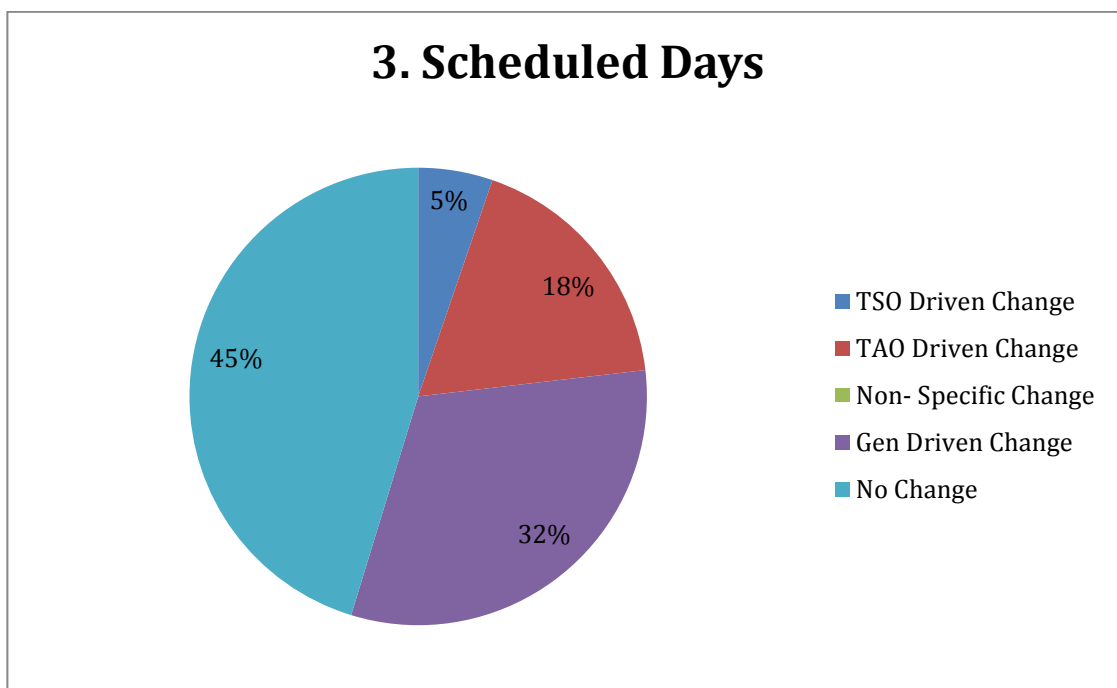


Figure 3: Category 3 - Scheduled days communicated ex-ante

Figure 4 shows that 46% of the designated days communicated ex-ante remained unchanged. Sources of change included generator requested changes to outage dates, facilitation of high priority works and TSO cancellation due to system security concerns.

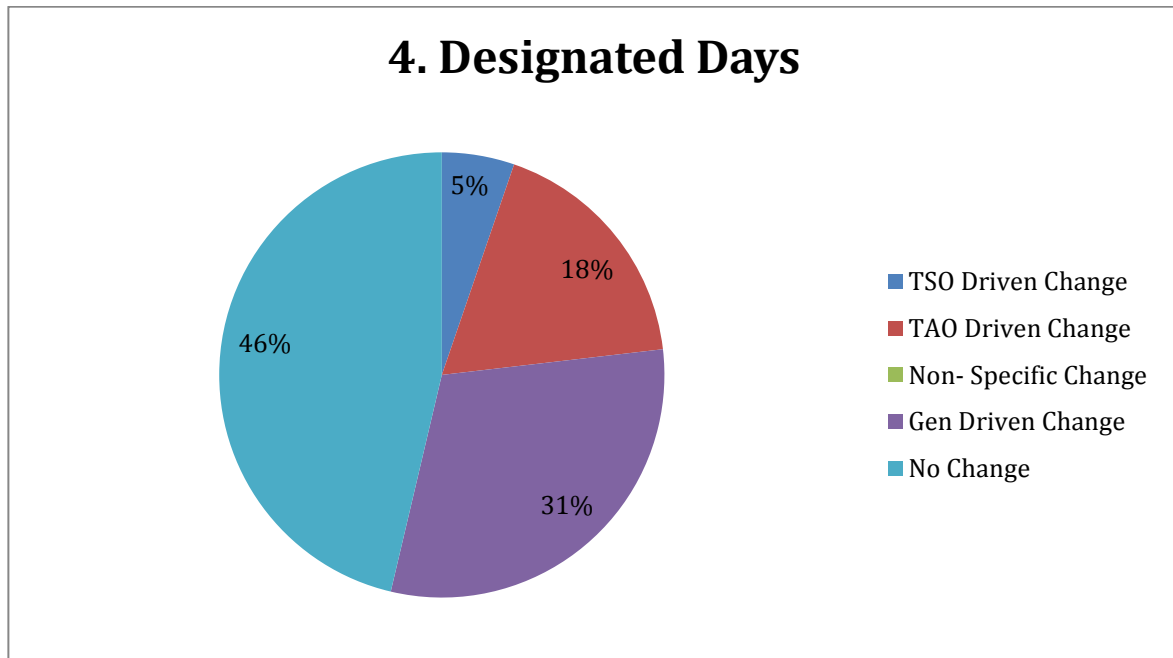


Figure 4: Category 4 - Designated days communicated ex-ante

Changes to works description communicated ex-ante in Figure 5 covers the situation where the corrective maintenance tasks were added in season or work items were incorrectly in the plan as they had been completed in a previous outage season. This was primarily due to lag in the closure of completion reports from the previous season leading to work items remaining open.

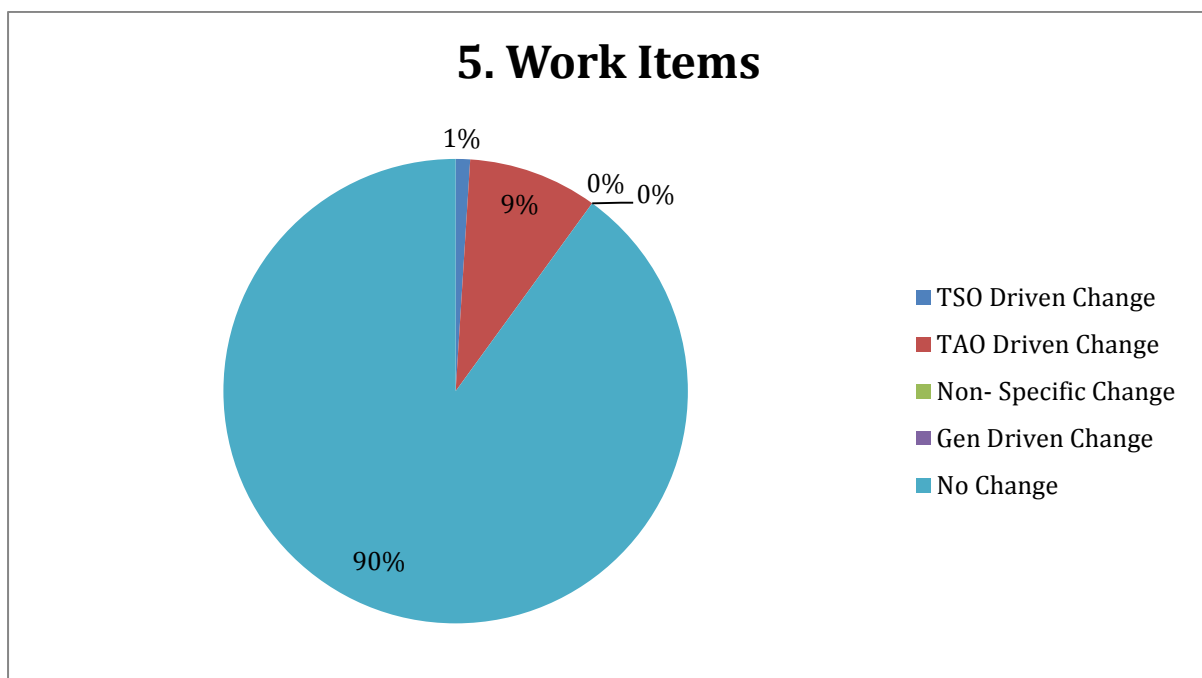


Figure 5: Category 5 - Works description communicated ex-ante

Figure 6 shows the percentage of TOP-IDs (each of which contained a number of individual work items) where the associated plant (both wind and conventional) changed its outage dates.

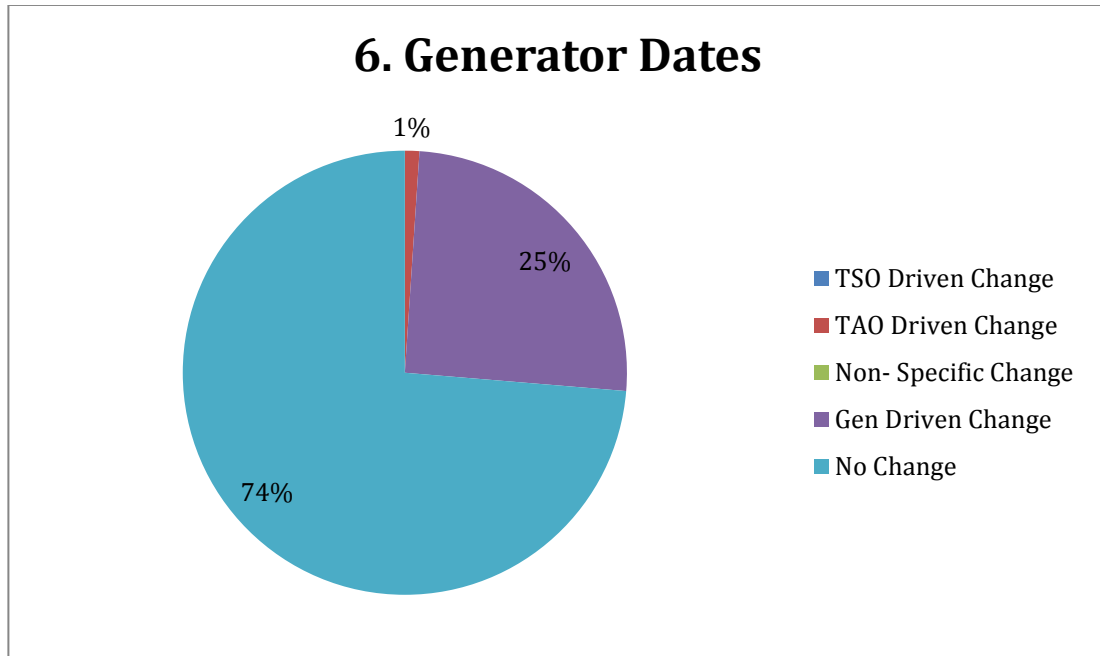


Figure 6: Category 6 - Generator outage dates

Figure 7 shows the breakdown of scheduled works that were not completed in 2019. 81% of works went ahead as planned with the majority of the remainder not being done due to a number of reasons determined by either the TSO or the TAO.

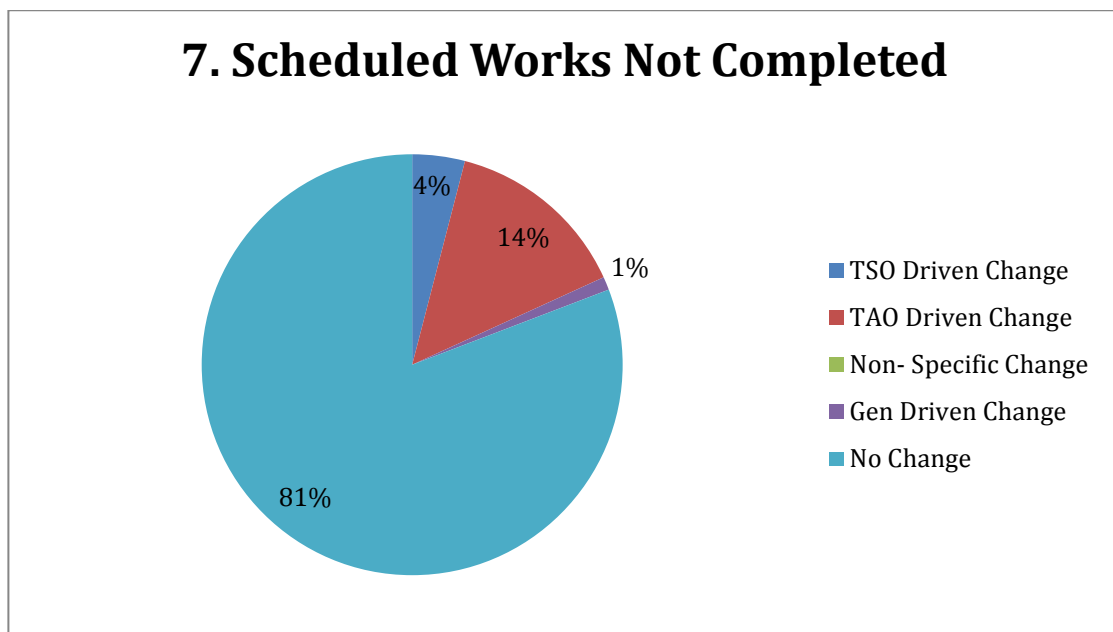


Figure 7: Category 7 - Scheduled Works Not Completed

Figure 8 shows the number of conventional Centrally Dispatched Generation Units (CDGUs) and the number of changes to the COP processed by the TSO in 2019. It is noted that several generation units have changed their COP dates more than once and this is included in the graph. For each change, system studies to assess the impact of the proposed change on system security and the transmission outage programme are carried out by the TSO. The TSO must also assess system capacity margins.

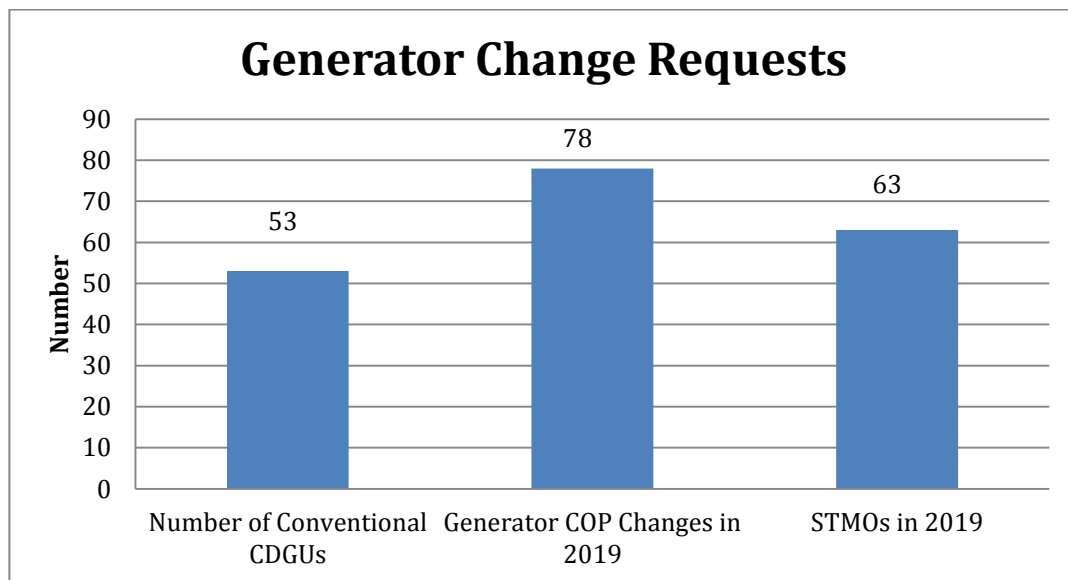


Figure 8: Generator change requests processed in 2019

In season, the TSO approved 78 changes to the generator outage dates as published in the COP. STMOs are short, opportunistic maintenance outages, typically carried out at low load periods - overnight or at the weekend and which generally last for less than 48 hours i.e. short-term. 63 of these requests were accommodated in 2019.

Initiatives for improvement

This is the fourth Ex-Post Outturn Availability (OA) report published by the TSO in cooperation with the TAO, in fulfilment of the requirements of SEM-15-071. As the fourth such report, feedback from the 2019 Ex-Post forum will be factored into the 2020 season's tracking and reporting and subsequently the ex-post report to improve transparency and quality of service to energy producers on the grid.

Appendix 1: Transmission Outage Programme Timelines

A full programme of work for the year ahead was developed in February 2019; this had work items classified as Scheduled, Planned or Unscheduled. Outages several months in the future were initially classified as Planned. As the outage window approached, the outage moved to a proposed/scheduled state. These outage classifications are described in Table 1.

Table 1: Outage states throughout the season.

Outage Classification	Outage Description
<i>Planned</i>	A viable outage window (date range) identified in which a fixed duration of work is to be carried out. Works were not assigned specific dates until later in the outage season, for example works which are not expected to take place until several months in the future.
<i>Proposed</i>	An outage slot for the work to be completed in, with specific proposed start and end dates. These dates were proposed approximately 6 weeks before the start of the relevant month and were subject to further refinement in discussion with the TAO.
<i>Scheduled</i>	Outages scheduled with specified start and end dates, where these dates are unlikely to change. The outage dates are scheduled approximately 4 weeks before the start of the relevant month.
<i>Unscheduled</i>	Outages with could not be accommodated in the first release of the Transmission Outage Programme but would be scheduled later in the programme.

Table 2 shows an example of how the works were communicated to generators at the start of the season.

Table 2: Example of works communicated to generator in February 2019

GENERATOR TRANSFORMER - XXXX					
TO-18-XX-T103-01		Window: Jun		Status: Indicative	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				X	Total Maintenance Outage Duration Requested
XXX	CD		DO	X	Works Description

Details of designated days for Outturn Availability purposes were assigned when the outage was scheduled (i.e. when the outage moved to the scheduled state which typically happened 4 weeks in advance of the relevant month).

Appendix 2: Ex-Post Reporting Format

This appendix lists how changes in the 2019 scheduled OACAs maintenance works are reported in this document. Changes to the seven distinct categories listed in Table 3 are reported in Appendix 3 for each TOP-ID. Each of these categories is described in detail in Table 4 below. Where a change occurred to any category during the year for a TOP-ID, this is indicated with a Yes in column 3 of Table 3. Column 4 then lists a standard reason for change.

Table 3: Reporting categories in the Ex-Post report

#	Category	Change	Reason For Change
1	<i>Indicative window communicated ex-ante</i>	Yes/No	
2	<i>Initial duration communicated ex-ante</i>	Yes/No	
3	<i>Scheduled days communicated ex-ante</i>	Yes/No	
4	<i>Designated days communicated ex-ante</i>	Yes/No	
5	<i>Works description communicated ex-ante</i>	Yes/No	
6	<i>Generator outage dates</i>	Yes/No	
7	<i>Scheduled works not completed</i>	Yes/No	

The categories 1 to 7 are explained as follows in Table 4 below.

Table 4: Description of the reporting categories

#	Category	Category Description
1	<i>Indicative window communicated ex-ante</i>	This category highlights if the outage occurred in the indicative outage window communicated to the generator at the start of the outage season.
2	<i>Initial duration communicated ex-ante</i>	This indicates if the outage took the number of days communicated to the generator at the start of the outage season.
3	<i>Scheduled days communicated ex-ante</i>	This category indicates if the outage occurred on the days communicated to the generation unit when the outage became scheduled (i.e. 4 weeks before the start of the month in which the works took place).
4	<i>Designated days communicated ex-ante</i>	This category indicates if the designated days (i.e. one of the five days where the generator is not outturn available for maintenance) were changed from those communicated to the generator when the outage became scheduled.
5	<i>Works description communicated ex-ante</i>	A change to this category indicates that the works description changed from those communicated to the generator at the start of the outage season.

6	<i>Generator outage dates</i>	A change to this category indicates that the generator applied to the TSO to change their generator outage date as published in the Committed Outage Programme (COP).
7	<i>Scheduled works not completed</i>	This category indicates if any one of the work items scheduled under the TOP-ID prior to the outage was not completed.

Please note:

- Where a work item incorrectly appeared in the EirGrid Ex-Ante Outturn Availability Connection Asset Maintenance Report, e.g. the work item had been completed in a previous outage season, this was logged as a change under 5. *Works description communicated ex-ante* rather than as a change under 7. *Scheduled works not completed*.
- 2. *Initial duration communicated ex-ante* refers to the duration to complete the maintenance works. If the outage duration was increased to complete capital works or to align with a generator requested outage and not due to the maintenance works taking longer it is not logged as a change under this category.

Appendix 3: Ex-Post Reporting Format

In this appendix, the OACA maintenance report lists changes as per points 1 to 7 from Table 3.

In the tables below, the “Total Maintenance Outage Duration Requested” is the total duration of the works. Each individual work item’s duration is the amount of time that this work item would have taken if completed in isolation (i.e. without any other work items completed in parallel).

110kV FEEDER - AGANNYGAL DERRYBRIEN [Derrybrien DY1]						
TO-19-AGL-DYN-1-01 ISO week: 23mo - 23we Date: 03 Jun - 05 Jun Duration: 3 Days (2 WD) Status: Planned Actual Date: 04 Jun - 05 Jun						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			3	Total Maintenance Outage Duration Requested
CM	AGL	-	900713712	DO	3	CB - Siemens 3AP mod required to prevent spring charging lockout with loss of AC
OPT	AGL			DO	1	110kV SF6 Cubicle Operational Test
				Changed		Reason for Change
1	Indicative window communicated ex-ante			No		
2	Initial duration communicated ex-ante			Yes		Duration reduced by TAO as work item highlighted in yellow not completed as design was not ready in advance of outage.
3	Scheduled days communicated ex-ante			Yes		Duration reduced by TAO as work item highlighted in yellow not completed as design was not ready in advance of outage.
4	Designated days communicated ex-ante			Yes		Duration reduced by TAO as work item highlighted in yellow not completed as design was not ready in advance of outage.
5	Works description communicated ex-ante			No		
6	Generator outage dates			No		
7	Scheduled works not completed			Yes		Work item highlighted in yellow not completed by TAO as design was not ready in advance of outage.

220kV FEEDER - AGHADA LONG POINT

TO-19-AD-LPT-1-02 **ISO week: 35we - 35fr** **Date: 28 Aug - 30 Aug** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 28 Aug – 30 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
	AD		DO	2	Oil Sampling - VT's UTF245 ESBI
OPT	AD		DO	1	220kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - AGHADA T2011/12 [ESB GWM AT11/AT12]

TO-19-AD-T2011/12-04 **ISO week: 27mo - 27th** **Date: 01 Jul - 04 Jul** **Duration: 4 Days (4 WD)** **Status: Planned**
 Actual Date: 01 Jul - 04 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
AMCAB	AD	-	DO	2	Annual Insp. 400 & 220 Station OF Cable
	AD		DO	2	Oil Sampling - VT's UTF245 ESBI
OPT	AD		DO	1	220kV SF6 Cubicle Operational Test
CMCAB	AD	-	DO	1	Replace Differential Oil Alarm Gauge

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - AGHADA T2014 [ESB GWM AT4]

TO-19-AD-T2014-03 **ISO week: 29mo - 29we** **Date: 15 Jul - 17 Jul** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: N/A

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
AMCAB	AD	-	DO	2	Annual Insp. 400 & 220 Station OF Cable
OPT	AD	-	DO	1	220kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Generator cancelled their own outage in Committed Outage Programme
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Generator cancelled their own outage in Committed Outage Programme
4	Designated days communicated ex-ante	Yes	Generator cancelled their own outage in Committed Outage Programme
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator cancelled their own outage in Committed Outage Programme
7	Scheduled works not completed	Yes	Works highlighted in yellow not completed as generator cancelled their own outage in Committed Outage Programme

GENERATOR TRANSFORMER - AGHADA T2014 [ESB GWM AT4]

TO-19-AD-T2014-04 **ISO week: 10we** **Date: 06 Mar** **Duration: 1 Day (1 WD)** **Status: Scheduled**
 Actual Date: 06 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
			DO	1	Blackstart test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - ARDNACRUSHA GIS T101 [ESB GWM AA1]

TO-19-AA GIS-T101-01 **ISO week: 15tu - 15th** **Date: 09 Apr - 11 Apr** **Duration: 3 Days (3 WD)** **Status: Scheduled**
 Actual Date 09 Apr - 11 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
OPT	AA		DO	1	110KV MO Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - ARDNACRUSHA GIS T102 [ESB GWM AA2]

TO-19-AA GIS-T102-01 ISO week: 35we - 35fr Date: 28 Aug - 30 Aug Duration: 3 Days (3 WD) Status: Planned
Actual Date 02 Sep - 04 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
OPT	AA		DO	1	110KV MO Cubicle Operational Test
AMCAB	AA	-	DO	2	Cable Insp. 110kV XLPE
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		Yes	Changed due to generator request	
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		Yes	Changed due to generator request	
4	Designated days communicated ex-ante		Yes	Changed due to generator request	
5	Works description communicated ex-ante		No		
6	Generator outage dates		No		
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - ARDNACRUSHA GIS T103 [ESB GWM AA3]

TO-19-AA GIS-T103-01 ISO week: 21tu - 21th Date: 21 May - 23 May Duration: 3 Days (3 WD) Status: Planned
Actual Date: 21 May - 23 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
AMCAB	AA	-	DO	2	Cable Insp. 110kV XLPE
OPT	AA		DO	1	110KV MO Cubicle Operational Test
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		No		
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		No		
4	Designated days communicated ex-ante		No		
5	Works description communicated ex-ante		No		
6	Generator outage dates		No		
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - ARDNACRUSHA GIS T104 [ESB GWM AA4]

TO-19-AA GIS-T104-01 ISO week: 29mo - 29we Date: 15 Jul - 17 Jul Duration: 3 Days (3 WD) Status: Planned
Actual Date: 23 Sep - 27 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
AMCAB	AA	-	DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	AA	-	DO	1	110KV GIS Cubicle Operational Test
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		Yes	TAO requested change to align with other generator requested works	
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		Yes	Generator requested change to Committed Outage Programme	
4	Designated days communicated ex-ante		Yes	Generator requested change to Committed Outage Programme	
5	Works description communicated ex-ante		No		
6	Generator outage dates		Yes	Generator requested change to Committed Outage Programme	
7	Scheduled works not completed		No		

110kV FEEDER - ATHEA DROMADA

TO-19-ATE-DRO-1-03						ISO week: 40mo	Date: 30 Sep	Duration: 1 Day (1 WD)	Status: Planned
							Actual Date: N/A		
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS				
		-		1	Total Maintenance Outage Duration Requested				
OPT	ATE	-	DO	1	110kV SF6 Cubicle Operational Test				
			Changed	Reason for Change					
1	Indicative window communicated ex-ante			Yes	TSO postponement of works				
2	Initial duration communicated ex-ante			No					
3	Scheduled days communicated ex-ante			No					
4	Designated days communicated ex-ante			No					
5	Works description communicated ex-ante			No					
6	Generator outage dates			No					
7	Scheduled works not completed			Yes	Work item highlighted in yellow above not completed due to TSO postponement of works				

110kV FEEDER - ATHEA KNOCKANURE

TO-19-ATE-KNR-1-02						ISO week: 45mo - 45th	Date: 04 Nov - 07 Nov	Duration: 4 Days (4 WD)	Status: Planned
							Actual Date: N/A		
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS				
		-		4	Total Maintenance Outage Duration Requested				
OS	ATE	-	DO	4	110kV SF6 Cubicle Ordinary Service				
OPT	KNR		DO	1	110kV SF6 Cubicle Operational Test				
			Changed	Reason for Change					
1	Indicative window communicated ex-ante			Yes	TSO postponement of works				
2	Initial duration communicated ex-ante			No					
3	Scheduled days communicated ex-ante			No					
4	Designated days communicated ex-ante			No					
5	Works description communicated ex-ante			No					
6	Generator outage dates			No					
7	Scheduled works not completed			Yes	Work items highlighted in yellow above not completed due to TSO postponement of works				

GENERATOR TRANSFORMER - ATHEA T121 [Athea AH1]

TO-19-ATE-T121-02						ISO week: 45mo	Date: 04 Nov	Duration: 1 Day (1 WD)	Status: Planned
							Actual Date: N/A		
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS				
		-		1	Total Maintenance Outage Duration Requested				
OPT	ATE	110	DO	1	110kV SF6 Cubicle Operational Test				
			Changed	Reason for Change					
1	Indicative window communicated ex-ante			Yes	TSO postponement of works				
2	Initial duration communicated ex-ante			No					
3	Scheduled days communicated ex-ante			No					
4	Designated days communicated ex-ante			No					
5	Works description communicated ex-ante			No					
6	Generator outage dates			No					
7	Scheduled works not completed			Yes	Work item highlighted in yellow above not completed due to TSO postponement of works				

110kV FEEDER - AUGHINISH SEALROCK 3

TO-19-AUG-SK-3-01 **ISO week: 37mo - 37tu** **Date: 09 Sep - 10 Sep** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 23 Sep - 26 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	AUG		DO	2	P1 Protection Maintenance of 7SA511, REL551

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante	Yes	Addition of P3 Protection Maintenance of 7SA513, REL551 in season
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

TO-19-AUG-SK-3-02 **ISO week: 37we - 38mo** **Date: 11 Sep - 16 Sep** **Duration: 6 Days (4 WD)** **Status: Planned**
 Actual Date:

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
OS	AUG	-	900943120	DO	110kV SF6 Cubicle Ordinary Service

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	Work item highlighted in yellow was incorrectly in the plan as it had been completed in a previous outage season
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - AUGHINISH SEALROCK 4

TO-19-AUG-SK-4-01 **ISO week: 10mo** **Date: 04 Mar** **Duration: 1 Day (1 WD)** **Status: Scheduled**
 Actual Date: 04 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	AUG	-	DO	2	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

SECTIONALISING DISCONNECT - BOGGERAGH 110SA1

TO-19-BGH-110SA1-02 **ISO week: 43mo - 43tu** **Date: 21 Oct - 22 Oct** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	-			2	Total Maintenance Outage Duration Requested
PROX		PR0004	DO	2	As a consequence of BGD-CLA-1: 110 kV A1 @ BGD: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)
PROX		PR0004	DO	2	110 kV A1 @ BGD: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)
OS	BGH	110-SA1	DO	2	110kV Sect / Dist Ordinary Service

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

TO-19-BGH-110SA1-03 **ISO week: 43mo - 43tu** **Date: 21 Oct - 22 Oct** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0004	DO	2	As a consequence of BGD-110SA2: 110 kV A2 @ BGD: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA2)

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

SECTIONALISING DISCONNECT - BOGGERAGH 110SA2

TO-19-BGH-110SA2-02 **ISO week: 43mo - 43tu** **Date: 21 Oct - 22 Oct** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	-			2	Total Maintenance Outage Duration Requested
PROX		PR0004	DO	2	110 kV A2 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA2)
OPT	BGH	110-SA2	DO	2	110kV Sect / Dist Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

TO-19-BGH-110SA2-03 **ISO week: 43mo - 43tu** **Date: 21 Oct - 22 Oct** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0004	DO	2	As a consequence of BGH-CLA-1: 110 kV A1 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)
PROX		PR0004	DO	2	As a consequence of BGH-110SA1: 110 kV A1 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110KV FEEDER - BOGGERAGH CLASHAVOON

TO-19-BGH-CLA-1-02 ISO week: 20th - 20fr Date: 16 May - 17 May Duration: 2 Days (2 WD) Status: Trip Testing
Actual Date: 23 May - 24 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CLA		DO	2	Trip testing - For Thurs/Fri (No overlap with P1 or P2 protection maintenance this week)
				Changed	Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	TSO requested change for system reasons
4	Designated days communicated ex-ante			Yes	TSO requested change for system reasons
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

TO-19-BGH-CLA-1-04 ISO week: 43mo - 43tu Date: 21 Oct - 22 Oct Duration: 2 Days (2 WD) Status: Planned
Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0004	DO	2	110 kV A1 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)
				Changed	Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante			Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante			Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

TO-19-BGH-CLA-1-03 ISO week: 43mo - 44we Date: 21 Oct - 30 Oct Duration: 10 Days (7 WD) Status: Planned
Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	-			7	Total Maintenance Outage Duration Requested
TRAN		900985527	DO	1	2018HP-1[38]Check(General)-shieldwire
TRAN		900985528	DO	1	2018HP-1[30]Earths-Replace Broken leads
OS	BGH	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	BGH	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
	CLA		DO	5	Investigate & Repair SF6 leak
OS	CLA	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	CLA	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
CORRECT	CLA	-	DO	1	O1-Main ON sign in c.b. chassis is very
CORRECT	CLA	-	DO	1	O1- SF6 Gas top up required.

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - BOGGERAGH T121 [Boggeragh BG1]

TO-19-BGH-T121-03 ISO week: 43mo - 43tu Date: 21 Oct - 22 Oct Duration: 2 Days (2 WD) Status: Planned Actual Date: 23 Oct - 01 Nov						
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
PROX		PR0004	DO	2	As a consequence of BGH-CLA-1: 110 kV A1 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)	
PROX		PR0004	DO	2	110 kV A1 @ BGH: Proximity outage for work on Boggeragh 110kV Sect / Dist Ordinary Service (SA1)	

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

TO-19-BGH-T121-02 ISO week: 42sa - 43we Date: 19 Oct - 23 Oct Duration: 5 Days (3 WD) Status: Planned Actual Date: 23 Oct - 01 Nov						
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
	-			5	Total Maintenance Outage Duration Requested	
OS	BGH		DO	4	110kV SF6 Cubicle Ordinary Service	
CA	BGH		DO	3	110KV CUBICLE CONDITION ASSESSMENT	

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante	Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - BOGGERAGH T132 [Boggeragh BG2]

TO-19-BGH-T132-02 **ISO week: 42su - 43we** **Date: 20 Oct - 23 Oct** **Duration: 4 Days (3 WD)** **Status: Planned**
 Actual Date: 23 Oct - 01 Nov

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-	DO	4	Total Maintenance Outage Duration Requested
OS	BGH	-	DO	4	110kV SF6 Cubicle Ordinary Service
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			Yes	TSO error, plant should have had outage duration equal to Boggeragh - Clashavoon as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante			Yes	TAO requested change of two days due to crew availability
4	Designated days communicated ex-ante			Yes	TAO requested change of two days due to crew availability
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - BOOLTIAGH T121 [Booltiagh BT1/BT2]

TO-19-BOL-T121-03 **ISO week: 17we** **Date: 24 Apr** **Duration: 1 Day (1 WD)** **Status: Scheduled**
 Actual Date: 24 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	BOO	-	900942131	DO	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

TO-19-BOL-T121-04 **ISO week: 17we - 17th** **Date: 24 Apr - 25 Apr** **Duration: 2 Days (2 WD)** **Status: Proposed**
 Actual Date: 24 Apr - 25 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
PROX			PR0004	DO	2	110 kV A1 @ BOL: Proximity outage for work on Booltiagh 110kV Sect / Dist Ordinary Service including busbar disconnects (SA1)
			Changed		Reason for Change	
1	Indicative window communicated ex-ante			No		
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			No		
4	Designated days communicated ex-ante			No		
5	Works description communicated ex-ante			No		
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - CARRIGADROHID T103 [ESB GWM LE3]

TO-19-CD-T103-01 **ISO week: 24mo - 24we** **Date: 10 Jun - 12 Jun** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 10 Jun - 12 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	-			3	Total Maintenance Outage Duration Requested
	-		DO	3	Check CT/VT circuit to the 110 KV Main and check meters at Carrigadroid 110 KV station, and also check and replace the VT fuse holders if required and check the CT terminals.
OPT	CD	-	DO	1	110KV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - CASTLEDOCKRELL LODGEWOOD [Castledockrell CK1]

TO-19-CDK-LWD-1-01 **ISO week: 25mo - 25tu** **Date: 17 Jun - 18 Jun** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 17 Jun - 19 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	LWD		DO	2	P1 Protection Maintenance of 7SA612

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TAO requested change to complete SF6 Op Test
3	Scheduled days communicated ex-ante	Yes	TAO requested change to complete SF6 Op Test
4	Designated days communicated ex-ante	Yes	TAO requested change to complete SF6 Op Test
5	Works description communicated ex-ante	Yes	TAO requested change to complete SF6 Op Test
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110KV FEEDER - CATHALEENS FALL CLIFF

TO-19-CF-CL-1-02 **ISO week: 34we** **Date: 21 Aug** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 02 Sep - 06 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	-			1	Total Maintenance Outage Duration Requested
OPT	CF		DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

TO-19-CF-CL-1-01 ISO week: 36we - 36th Date: 04 Sep - 05 Sep Duration: 2 Days (2 WD) Status: Planned Actual Date: 02 Sep - 06 Sep						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CF			DO	2	P1 Protection Maintenance of 7SA511
					Changed	Reason for Change
1	Indicative window communicated ex-ante				No	
2	Initial duration communicated ex-ante				No	
3	Scheduled days communicated ex-ante				Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante				Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante				No	
6	Generator outage dates				Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed				No	

GENERATOR TRANSFORMER - CATHALEENS FALL T103 [ESB GWM ER3]

TO-19-CF-T103-01 ISO week: 20mo - 20tu Date: 13 May - 14 May Duration: 2 Days (2 WD) Status: Planned Actual Date: 13 May - 14 May						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CF			DO	2	P1 Protection Maintenance of 7SA612, BOC, 7UT513, 7UT31
					Changed	Reason for Change
1	Indicative window communicated ex-ante				No	
2	Initial duration communicated ex-ante				No	
3	Scheduled days communicated ex-ante				No	
4	Designated days communicated ex-ante				No	
5	Works description communicated ex-ante				No	
6	Generator outage dates				No	
7	Scheduled works not completed				No	

TO-19-CF-T103-02 ISO week: 20we - 21tu Date: 15 May - 21 May Duration: 7 Days (5 WD) Status: Planned Actual Date: 15 May - 21 May						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX				DO	7	Proximity outage for work on Cath Falls 110K1-2 (110kV Sect / Dist Ordinary Service)
OPT	CF	-	900942188	DO	1	110KV SF6 Cubicle Operational Test
					Changed	Reason for Change
1	Indicative window communicated ex-ante				No	
2	Initial duration communicated ex-ante				No	
3	Scheduled days communicated ex-ante				No	
4	Designated days communicated ex-ante				No	
5	Works description communicated ex-ante				No	
6	Generator outage dates				No	
7	Scheduled works not completed				No	

GENERATOR TRANSFORMER - CATHALEENS FALL T104 [ESB GWM ER4]

TO-19-CF-T104-01 ISO week: 25mo - 25sa Date: 17 Jun - 22 Jun Duration: 6 Days (5 WD) Status: Planned Actual Date: 17 Jun - 22 Jun						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX				DO	6	Proximity outage for work on Cath Falls 110K1-2 (110kV Sect / Dist Ordinary Service)
		-			4	Total Maintenance Outage Duration Requested
OS	CF	-		DO	4	110KV SF6 Cubicle Ordinary Service
					Changed	Reason for Change
1		Indicative window communicated ex-ante			No	
2		Initial duration communicated ex-ante			No	
3		Scheduled days communicated ex-ante			No	
4		Designated days communicated ex-ante			No	
5		Works description communicated ex-ante			No	
6		Generator outage dates			No	
7		Scheduled works not completed			No	

GENERATOR TRANSFORMER - CLIFF T101 [ESB GWM ER1]

TO-19-CL-T101-02 ISO week: 36fr Date: 06 Sep Duration: 1 Day (1 WD) Status: Planned Actual Date: 02 Sep						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			1	Total Maintenance Outage Duration Requested
OPT	CL			DO	1	110KV SF6 Cubicle Operational Test
					Changed	Reason for Change
1		Indicative window communicated ex-ante			No	
2		Initial duration communicated ex-ante			No	
3		Scheduled days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
4		Designated days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
5		Works description communicated ex-ante			No	
6		Generator outage dates			Yes	Generator requested change to Committed Outage Programme
7		Scheduled works not completed			No	

TO-19-CL-T101-01 ISO week: 36we - 36th Date: 04 Sep - 05 Sep Duration: 2 Days (2 WD) Status: Planned Actual Date: 08 Jul - 09 Jul						
WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CL			DO	2	P1 Protection Maintenance of 7SJ511, 7UT513
					Changed	Reason for Change
1		Indicative window communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
2		Initial duration communicated ex-ante			No	
3		Scheduled days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
4		Designated days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
5		Works description communicated ex-ante			No	
6		Generator outage dates			Yes	Generator requested change to Committed Outage Programme
7		Scheduled works not completed			No	

GENERATOR TRANSFORMER - CLIFF T102 [ESB GWM ER2]

TO-19-CL-T102-02 **ISO week: 34fr** **Date: 23 Aug** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 02 Sep - 05 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	CL		DO	1	110KV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

TO-19-CL-T102-01 **ISO week: 34we - 34th** **Date: 21 Aug - 22 Aug** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 02 Sep - 05 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CL		DO	2	P1 Protection Maintenance of 7SJ511, 7UT513

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

BUSBAR SECTION - CLOGHBOOLA 110 kV A1/A2

TO-19-110 kV A1/A2 @ CBA-01 **ISO week: 18we - 18th** **Date: 01 May - 02 May** **Duration: 2 Days (2 WD)** **Status: Scheduled**
 Actual Date: N/A

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				2	As a consequence of maintenance on Cloghboola-Trien 110 kV.

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	TSO postponement of works
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	TSO postponement of works
4	Designated days communicated ex-ante	Yes	TSO postponement of works
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - CLOGHBOOLA TRIEN

TO-19-CBA-TRI-1-01 **ISO week: 18we - 18th** **Date: 01 May - 02 May** **Duration: 2 Days (2 WD)** **Status: Scheduled**
 Actual Date: N/A

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		2	Total Maintenance Outage Duration Requested
TRAN		900985584	DO	2	2018HP-1[13]Earths-Check-EW at base
OPT	CBA		DO	1	110kV SF6 Cubicle Operational Test
OPT	TRI	-	DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	TSO postponement of works
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	TSO postponement of works
4	Designated days communicated ex-ante	Yes	TSO postponement of works
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	Yes	Work items highlighted in yellow above not completed due to TSO postponement of works

110kV FEEDER - CLOGHER MULREAVY

TO-19-CLO-MRY-1-01 **ISO week: 23we** **Date: 05 Jun** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 05 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	CLO	900942237	DO	1	110kV GIS Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	Addition of SF6 Cubicle Op Test in Mulreavy station
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - CLONKEEN COOMAGEARLAHY

TO-19-CKN-CGL-1-01 **ISO week: 24mo - 24fr** **Date: 10 Jun - 14 Jun** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 11 Feb - 15 Feb

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
TRAN		900985658	DO	3	"2018HP-6[7,8,9,12,38,39]Off Plumb-Poles
FO_MISC		900819443	DO	1	2016HP-1[22]Off Plumb poles
YM03	CGL	900978745	DO	3	Investigate repair CB SF6 Gas leak.
OPT	CGL		DO	1	110kV SF6 Cubicle Operational Test
OPT	CKN		DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	This outage occurred prior to outage season commencing
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - COOMAGEARLAHY GLANLEE

TO-19-CGL-GAE-1-01 **ISO week: 24mo - 24fr** **Date: 10 Jun - 14 Jun** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 11 Feb - 15 Feb

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		3	Total Maintenance Outage Duration Requested	
OPT	CGL		DO	1	110kV SF6 Cubicle Operational Test	
CORRECT	CGL	-	900973584	DO	1	CB operations counter not working. Repl

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	This outage occurred prior to outage season commencing
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	Work item highlighted in yellow was incorrectly in the plan as it had been completed in a previous outage season
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - COOMAGEARLAHY T121 [Coomagearlahy CG3]

TO-19-CGL-T121-01 ISO week: 24mo - 24fr Date: 10 Jun - 14 Jun Duration: 5 Days (5 WD) Status: Planned
Actual Date: 11 Feb - 15 Feb

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	CGL	-	DO	1	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1		Indicative window communicated ex-ante	No		This outage occurred prior to outage season commencing
2		Initial duration communicated ex-ante	No		
3		Scheduled days communicated ex-ante	No		
4		Designated days communicated ex-ante	No		
5		Works description communicated ex-ante	No		
6		Generator outage dates	No		
7		Scheduled works not completed	No		

GENERATOR TRANSFORMER - COOMAGEARLAHY T122 [Coomagearlahy CG1/CG2]

TO-19-CGL-T122-01 ISO week: 24mo - 24fr Date: 10 Jun - 14 Jun Duration: 5 Days (5 WD) Status: Planned
Actual Date: 11 Feb - 15 Feb

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	CGL	-	DO	1	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1		Indicative window communicated ex-ante	No		This outage occurred prior to outage season commencing
2		Initial duration communicated ex-ante	No		
3		Scheduled days communicated ex-ante	No		
4		Designated days communicated ex-ante	No		
5		Works description communicated ex-ante	No		
6		Generator outage dates	No		
7		Scheduled works not completed	No		

110kV FEEDER - CORDERRY GARVAGH

TO-19-CDY-GRV-1-01 ISO week: 30mo - 30we Date: 22 Jul - 24 Jul Duration: 3 Days (3 WD) Status: Planned
Actual Date: 22 Jul - 24 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
TRAN		900985805	DO	1	2018HP-1[20]Earths-Replace L/ph broken
	CDY		DO	3	Investigate CB gas leak & repair if possible
OPT	CDY		DO	1	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1		Indicative window communicated ex-ante	No		
2		Initial duration communicated ex-ante	No		
3		Scheduled days communicated ex-ante	No		
4		Designated days communicated ex-ante	No		
5		Works description communicated ex-ante	Yes		Addition of 110kV SF6 Cubicle Op Test at Garvagh T121
6		Generator outage dates	No		
7		Scheduled works not completed	No		

220kV FEEDER - CORDUFF HUNTSTOWN

TO-19-CDU-HN-1-01 ISO week: 15mo - 15we Date: 08 Apr - 10 Apr Duration: 3 Days (3 WD) Status: Scheduled
Actual Date: 20 Mar - 29 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
	CDU		DO	2	Confirm CB pressure readings in Corduff
	CDU	-	900907894	2	Surge Arresters not assessed during 2017
OPT	CDU	-	900942167	1	220kV SF6 Cubicle Operational Test
				Changed	Reason for Change
1	Indicative window communicated ex-ante			Yes	Changed as per generator request
2	Initial duration communicated ex-ante			Yes	TAO requested change as work items added
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request
4	Designated days communicated ex-ante			Yes	Changed as per generator request
5	Works description communicated ex-ante			Yes	TAO requested change: Replacement of 7SA612 relay and protection maintenance on the Huntstown bay in Corduff
6	Generator outage dates			No	
7	Scheduled works not completed			No	

Please note: This should not have been included in the Ex-Ante report as it is Distribution System plant

110kV FEEDER - CRORY LODGEWOOD [SDCC]

TO-19-CRY-LWD-1-01 ISO week: 25we - 25th Date: 19 Jun - 20 Jun Duration: 2 Days (2 WD) Status: Reference (Planned)
Actual Date:

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	LWD		DO	2	P1 Protection Maintenance of 7SA611
				Changed	Reason for Change
1	Indicative window communicated ex-ante				
2	Initial duration communicated ex-ante				
3	Scheduled days communicated ex-ante				
4	Designated days communicated ex-ante				
5	Works description communicated ex-ante				
6	Generator outage dates				
7	Scheduled works not completed				

GENERATOR TRANSFORMER - CUNGHILL T121 [Kingsmountain KGM/KG2]

TO-19-CUN-T121-01 ISO week: 29mo - 29th Date: 15 Jul - 18 Jul Duration: 4 Days (4 WD) Status: Planned
Actual Date: 06 Aug - 09 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
OS	CUN	-	DO	4	110kV SF6 Cubicle Ordinary Service
				Changed	Reason for Change
1	Indicative window communicated ex-ante			Yes	Changed as per generator request
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Changed as per generator request
7	Scheduled works not completed			No	

110kV FEEDER - CUSHALING MOUNTLUCAS

TO-19-CUS-MLC-1-01 **ISO week: 14mo - 14we** **Date: 01 Apr - 03 Apr** **Duration: 3 Days (3 WD)** **Status: Scheduled**
 Actual Date: 03 Apr - 05 Apr

WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			3	Total Maintenance Outage Duration Requested
TRAN			900986166	DO	1	2018HP-3[14]Cattle Guards-Fit
TRAN			900986167	DO	1	2018HP-3[21]Cattle Guards-Fit
FO_MISC	CUS	-		DO	3	Investigate cb leak & repair if possible
FO_MISC	CUS	-	900973170	DO	2	1[46]Repair Earth Lead Pole Set 46
OPT	CUS	-		DO	1	110kV SF6 Cubicle Operational Test
OPT	MLC	-		DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed as per generator request
4	Designated days communicated ex-ante	Yes	Changed as per generator request
5	Works description communicated ex-ante	Yes	TAO requested change: Addition of P3 Protection Maintenance of 7SA612, GRZ100
6	Generator outage dates	Yes	Changed as per generator request
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - CUSHALING T101 [Edenderry Power ED1]

TO-19-CUS-T101-01 **ISO week: 25fr** **Date: 21 Jun** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 20 Jun - 22 Jun

WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			1	Total Maintenance Outage Duration Requested
OPT	CUS	-		DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TAO requested change: Addition of VT Fuse holders/circuits inspection and fuse replacement
3	Scheduled days communicated ex-ante	Yes	TAO requested change: Addition of VT Fuse holders/circuits inspection and fuse replacement
4	Designated days communicated ex-ante	Yes	TAO requested change: Addition of VT Fuse holders/circuits inspection and fuse replacement
5	Works description communicated ex-ante	Yes	TAO requested change: Addition of VT Fuse holders/circuits inspection and fuse replacement
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - CUSHALING T103/5 [Edenderry Power ED3/ED5]

TO-19-CUS-T103/5-01 ISO week: 24we - 24th Date: 12 Jun - 13 Jun Duration: 2 Days (2 WD) Status: Planned
Actual Date: 28 Aug - 29 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	CUS		DO	2	P1 Protection Maintenance of 7SA612, SEL551
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		Yes	TSO requested change for system reasons	
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		Yes	TSO requested change for system reasons	
4	Designated days communicated ex-ante		Yes	TSO requested change for system reasons	
5	Works description communicated ex-ante		No		
6	Generator outage dates		No		
7	Scheduled works not completed		No		

TO-19-CUS-T103/5-02 ISO week: 20tu - 20sa Date: 14 May - 18 May Duration: 5 Days (4 WD) Status: Planned
Actual Date: 13 May - 17 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
OS	CUS	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	CUS	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
	CUS		DO	3	Investigate CB gas leak & repair if possible
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		No		
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		Yes	TAO Requested Change	
4	Designated days communicated ex-ante		Yes	TAO Requested Change	
5	Works description communicated ex-ante		No		
6	Generator outage dates		Yes	TAO Requested Change	
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - DERRYIRON RHODE T1/T2 [SSE Generation RP1/RP2]

TO-19-DER-T1/T2-01 ISO week: 32tu - 32sa Date: 06 Aug - 10 Aug Duration: 5 Days (4 WD) Status: Planned
Actual Date: 12 Aug - 19 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
OS	DER	-	DO	4	110KV SF6 Cubicle Ordinary Service
CA	DER	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
OPT	DER	-	DO	1	110KV SF6 Cubicle Operational Test
			Changed	Reason for Change	
1	Indicative window communicated ex-ante		No		
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		Yes	Generator requested change to Committed Outage Programme	
4	Designated days communicated ex-ante		Yes	Generator requested change to Committed Outage Programme	
5	Works description communicated ex-ante		No		
6	Generator outage dates		Yes	Generator requested change to Committed Outage Programme	
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - DROMADA T121 [Dromada DR1]

TO-19-DRO-T121-03 **ISO week: 40mo - 40fr** **Date: 30 Sep - 04 Oct** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 30 Sep - 04 Oct

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
OS	DRO	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	DRO	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	Yes	Work item highlighted in yellow above was not completed by TAO

110kV FEEDER - DRUMKEEN MEENTYCAT

TO-19-DRM-MEE-1-01 **ISO week: 27we** **Date: 03 Jul** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 10 Jun - 12 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	DRM		DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Changed as per generator request
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed as per generator request
4	Designated days communicated ex-ante	Yes	Changed as per generator request
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Changed as per generator request
7	Scheduled works not completed	No	

220kV FEEDER - FINGLAS HUNTSTOWN

TO-19-FIN-HN-1-01 **ISO week: 32tu - 32th** **Date: 06 Aug - 08 Aug** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 12 Aug - 14 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		3	Total Maintenance Outage Duration Requested	
CORRECT	FIN	-	900479248	DO	3	HUNTSTOWN 220KV DL PI IN EIRGRID WHEN DL
CA	FIN	-	900943779	DO	3	220kV Cubicle Condition Assessment
OPT	FIN	-		DO	1	220kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - GARROW T122 [Coomacheo CZ1]

TO-19-GRO-T122-01 **ISO week: 18sa - 18su** **Date: 04 May - 05 May** **Duration: 2 Days (0 WD)** **Status: Proposed**
 Actual Date: 08 May - 09 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
			DO	2	As a consequence of works on Garrow 110 SA1-2
		-		2	Total Maintenance Outage Duration Requested
OPT	GRO	-	DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed due to generator request
4	Designated days communicated ex-ante	Yes	Changed due to generator request
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Changed due to generator request
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - GARVAGH T121 [Garvagh GH1/GH2]

TO-19-GRV-T121-01 **ISO week: 30mo** **Date: 22 Jul** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 22 Jul - 24 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	GRV	-	900840567	DO	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Corderry - Garvagh as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Corderry - Garvagh as that circuit offloads this piece of equipment
4	Designated days communicated ex-ante	Yes	TSO error, plant should have had outage duration equal to Corderry - Garvagh as that circuit offloads this piece of equipment
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - GLANAGOW T2001 [Bord Gáis WG1]

TO-19-GGO-T2001-01 **ISO week: 31mo - 31tu** **Date: 29 Jul - 30 Jul** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 29 Jul - 31 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		2	Total Maintenance Outage Duration Requested
OPT	GGO		DO	1	220kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			Yes	TAO requested change: SF6 leak repair
3	Scheduled days communicated ex-ante			Yes	TAO requested change: SF6 leak repair
4	Designated days communicated ex-ante			Yes	TAO requested change: SF6 leak repair
5	Works description communicated ex-ante			Yes	TAO requested change: SF6 leak repair
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - GLANLEE T121 [Glanlee GL1]

TO-19-GAE-T121-01 **ISO week: 24mo - 24fr** **Date: 10 Jun - 14 Jun** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 11 Feb - 15 Feb

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		1	Total Maintenance Outage Duration Requested	
CORRECT		-	900973585	DO	1	AC and DC Supplies:
CA	GAE	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT	
OPT	GAE	-	DO	1	110kV SF6 Cubicle Operational Test	
			Changed		Reason for Change	
1	Indicative window communicated ex-ante			Yes	This outage occurred prior to outage season commencing	
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			No		
4	Designated days communicated ex-ante			No		
5	Works description communicated ex-ante			Yes	Work item highlighted in yellow was incorrectly in the plan as it had been completed in a previous outage season	
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - HUNTSTOWN T2002 [Viridian Power HN2]

TO-19-HN-T2002-01 **ISO week: 15mo** **Date: 08 Apr** **Duration: 1 Day (1 WD)** **Status: Proposed**
 Actual Date: 20 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		1	Total Maintenance Outage Duration Requested	
OPT	HUN	-	900942386	DO	1	220kV SF6 Cubicle Operational Test
			Changed		Reason for Change	
1	Indicative window communicated ex-ante			Yes	Changed as per generator request	
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request	
4	Designated days communicated ex-ante			Yes	Changed as per generator request	
5	Works description communicated ex-ante			No		
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - HUNTSTOWN T2010/11 [Viridian Power HNC]

TO-19-HN-T2010/11-01 ISO week: 32tu - 33mo Date: 06 Aug - 12 Aug Duration: 7 Days (5 WD) Status: Planned
Actual Date: 05 Aug - 05 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		5	Total Maintenance Outage Duration Requested	
CA	HUN	110	900943870	DO	5	220kV Cubicle Condition Assessment
OPT	HUN	-		DO	1	220kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante	Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed	No	

110kV FEEDER - IKERRIN tee IKERRIN

TO-19-IKE,T-IKE-1-01 ISO week: 36tu - 36th Date: 03 Sep - 05 Sep Duration: 3 Days (3 WD) Status: Planned
Actual Date: N/A

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
TRAN		900989802	DO	2	2018HP-1[415]Check Structure-3 poles stn

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	Work item highlighted in yellow was incorrectly in the plan as it had been completed in a previous outage season
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - IKERRIN tee SHANNONBRIDGE

TO-19-IKE,T-SH-1-01 ISO week: 36tu - 36th Date: 03 Sep - 05 Sep Duration: 3 Days (3 WD) Status: Planned
Actual Date: 03 Sep - 04 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		2	Total Maintenance Outage Duration Requested
FO_MISC		900898200	DO	1	2017HP-1[284]Stays - Replace side stay
TRAN		900989808	DO	1	2018HP-1[193]Check Structure-top rot - c
OPT	SH	-	DO	1	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	Yes	TAO reduced duration by one day
3	Scheduled days communicated ex-ante	Yes	TAO reduced duration by one day
4	Designated days communicated ex-ante	Yes	TAO reduced duration by one day
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - IKERRIN tee THURLES

TO-19-IKE,T-THU-1-01 ISO week: 36tu - 36th Date: 03 Sep - 05 Sep Duration: 3 Days (3 WD) Status: Planned
 Actual Date: 03 Sep - 04 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS																											
		-		2	Total Maintenance Outage Duration Requested																											
PROX		PR0005	DO	2	110 kV A2 @ THU: Proximity outage for work on Thurles 110kV Sect / Dist Ordinary Service (SA1-2CB)																											
OPT	THU		DO	1	110kV MO Cubicle Operational Test																											
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1	Indicative window communicated ex-ante	No																														
2	Initial duration communicated ex-ante	Yes	TAO reduced duration by one day																													
3	Scheduled days communicated ex-ante	Yes	TAO reduced duration by one day																													
4	Designated days communicated ex-ante	Yes	TAO reduced duration by one day																													
5	Works description communicated ex-ante	No																														
6	Generator outage dates	No																														
7	Scheduled works not completed	No																														

GENERATOR TRANSFORMER - INNISCARRA T101 [ESB GWM LE1/LE2]

TO-19-IA-T101-01 ISO week: 20tu Date: 14 May Duration: 1 Day (1 WD) Status: Proposed
 Actual Date: 14 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS																								
		-		1	Total Maintenance Outage Duration Requested																								
OPT	IA		DO	1	110KV SF6 Cubicle Operational Test																								
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1	Indicative window communicated ex-ante	No																											
2	Initial duration communicated ex-ante	No																											
3	Scheduled days communicated ex-ante	No																											
4	Designated days communicated ex-ante	No																											
5	Works description communicated ex-ante	No																											
6	Generator outage dates	No																											
7	Scheduled works not completed	No																											

GENERATOR TRANSFORMER - IRISHTOWN T2001 [ESB GWM DB1]

TO-19-ISH-T2001-01 ISO week: 13mo - 13we Date: 25 Mar - 27 Mar Duration: 3 Days (3 WD) Status: Proposed
 Actual Date: 25 Mar - 27 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS																								
		-		3	Total Maintenance Outage Duration Requested																								
OPT	ISH	900942399	DO	3	220kV GIS Cubicle Operational Test																								
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	Changed	Reason for Change																											
1	Indicative window communicated ex-ante	No																											
2	Initial duration communicated ex-ante	No																											
3	Scheduled days communicated ex-ante	No																											
4	Designated days communicated ex-ante	No																											
5	Works description communicated ex-ante	No																											
6	Generator outage dates	No																											
7	Scheduled works not completed	No																											

110kV FEEDER - KNOCKRANNY UGGOOL

TO-19-KNY-UGL-1-01 **ISO week: 23tu - 23fr** **Date: 04 Jun - 07 Jun** **Duration: 4 Days (4 WD)** **Status: Planned**
 Actual Date: 30 Jul - 31 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
AMCAB	Cable	-	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	KNY	-	900942466	DO	110kV GIS Cubicle Operational Test
OPT	UGL	-	900942782	DO	110kV GIS Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Generator requested change
2	Initial duration communicated ex-ante	Yes	TAO requested change: Reduction in outage duration as Annual Cable Inspection not under TAO control
3	Scheduled days communicated ex-ante	Yes	Generator requested change
4	Designated days communicated ex-ante	Yes	Generator requested change
5	Works description communicated ex-ante	Yes	TAO requested change: Reduction in outage duration as Annual Cable Inspection not under TAO control
6	Generator outage dates	Yes	Generator requested change
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - LANESBORO T104 [ESB GWM LR4]

TO-19-LA-T104-01 **ISO week: 27mo - 27fr** **Date: 01 Jul - 05 Jul** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 01 Jul - 05 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
YM03		-	900978762	DO	3 Hot spot detected on T 104 DA R Phase di
OS	LA	-		DO	4 110KV SF6 Cubicle Ordinary Service

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - LISHEEN T122 [Lisheen LS1/LS2]

TO-19-LSN-T122-01 **ISO week: 28mo - 29tu** **Date: 08 Jul - 16 Jul** **Duration: 9 Days (7 WD)** **Status: Planned**
 Actual Date: 09 Jul - 17 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		6	Total Maintenance Outage Duration Requested
PROX		PR0004	DO	2	As a consequence of LSN-THU-1: 110 kV A2 @ LSN: Proximity outage for work on Lisheen 110kV Sect / Dist Ordinary Service including busbar disconnects (SA2)
PROX		PR0004	DO	2	110 kV A2 @ LSN: Proximity outage for work on Lisheen 110kV Sect / Dist Ordinary Service including busbar disconnects (SA2)
OS	LSN	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	LSN	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed as per generator request
4	Designated days communicated ex-ante	Yes	Changed as per generator request
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - LISHEEN THURLES

TO-19-LSN-THU-1-02 ISO week: 36tu - 36th Date: 03 Sep - 05 Sep Duration: 3 Days (3 WD) Status: Planned
Actual Date: N/A

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0005	DO	2	110 kV A2 @ THU: Proximity outage for work on Thurles 110kV Sect / Dist Ordinary Service (SA1-2CB)

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	TSO postponement of works for system reasons
2	Initial duration communicated ex-ante	Yes	TSO postponement of works for system reasons
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

TO-19-LSN-THU-1-01 ISO week: 28mo - 29tu Date: 08 Jul - 16 Jul Duration: 9 Days (7 WD) Status: Planned
Actual Date: 09 Jul - 17 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		7	Total Maintenance Outage Duration Requested
TRAN		900988512	DO	2	2018HP-1[25]Bird Nests remove asap
PROX		PR0004	DO	2	110 kV A2 @ LSN: Proximity outage for work on Lisheen 110kV Sect / Dist Ordinary Service including busbar disconnects (SA2)
TRAN		900988513	DO	1	2018HP-3[30-32]Conductor Check
TRAN		900988516	DO	1	2018HP-1[51]Earths-Replace-earth strap
OS	LSN	-	DO	4	110kV SF6 Cubicle Ordinary Service
CA	LSN	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
OS	THU	-	DO	6	110kV MO Cubicle Ordinary Service

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed as per generator request
4	Designated days communicated ex-ante	Yes	Changed as per generator request
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	Yes	TAO could not complete item highlighted in yellow due to inability to obtain license

GENERATOR TRANSFORMER - LONG POINT T2002 [ESB GWM AD2]

TO-19-LPT-T2002-02 **ISO week: 35we - 35th** **Date: 28 Aug - 29 Aug** **Duration: 2 Days (2 WD)** **Status: Planned**
 Actual Date: 28 Aug – 29 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		2	Total Maintenance Outage Duration Requested
			DO	2	Oil Sampling - VT's UTF245 ESBI
OPT	LPT	220	DO	1	2200kV SF6 Cubicle Operational Test
				Changed	Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - MEENTYCAT T121 [Meentycat MCT]

TO-19-MEE-T121-01 **ISO week: 27we** **Date: 03 Jul** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 10 Jun - 12 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	MEE		DO	1	110kV SF6 Cubicle Operational Test
				Changed	Reason for Change
1	Indicative window communicated ex-ante			Yes	Changed as per generator request
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request
4	Designated days communicated ex-ante			Yes	Changed as per generator request
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Changed as per generator request
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - MONEYPPOINT GIS T121 [Moneypoint MP9]

TO-19-MP GIS-T121-01 **ISO week: 28mo - 28we** **Date: 08 Jul - 10 Jul** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 08 Jul - 10 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		3	Total Maintenance Outage Duration Requested	
AMCAB	MP	-	900944059	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	MP	TRAFO	900938612	DO	1	110KV GIS Cubicle Operational Test
				Changed	Reason for Change	
1	Indicative window communicated ex-ante			No		
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			No		
4	Designated days communicated ex-ante			No		
5	Works description communicated ex-ante			Yes	Work item highlighted in yellow was incorrectly in the plan as it had been completed in a previous outage season	
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - MONEYPPOINT GIS T4003 [ESB GWM MP3]

TO-19-MP-GIS-T4003-01 **ISO week: 26mo** **Date: 24 Jun** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 25 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	MP		DO	1	400kV GIS Cubicle Operational Test
Changed Reason for Change					
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	TAO requested change
4	Designated days communicated ex-ante			Yes	TAO requested change
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - MONEYPPOINT T4002 [ESB GWM MP2]

TO-19-MP-T4002-02 **ISO week: 31mo - 31th** **Date: 29 Jul - 01 Aug** **Duration: 4 Days (4 WD)** **Status: Planned**
 Actual Date: 29 Jul - 01 Aug

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
AMCAB	MP	900924478	DO	2	Annual Insp. 400 & 220 Station OF Cable
OPT	MP	900942601	DO	2	400kV GIS Cubicle Operational Test
FM	MP		DO	1	HV Pressure Vessel Inspection
Changed Reason for Change					
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - MOUNTLUCAS T121 [Mountlucas MO1]

TO-19-MLC-T121-01 **ISO week: 14mo - 14we** **Date: 01 Apr - 03 Apr** **Duration: 3 Days (3 WD)** **Status: Scheduled**
 Actual Date: 03 Apr - 05 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	As a consequence of maintenance on Cushing Mountlucas
		-		1	Total Maintenance Outage Duration Requested
OPT	MLC	110	DO	1	110kV SF6 Cubicle Operational Test
Changed Reason for Change					
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request
4	Designated days communicated ex-ante			Yes	Changed as per generator request
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Changed as per generator request
7	Scheduled works not completed			No	

Please note: This should not have been included in the Ex-Ante report as it is no longer an Outturn Available Connection Asset

110kV FEEDER - MOY TAWNAGHMORE 1

TO-19-MOY-TAW-1-04 ISO week: 15mo - 16mo Date: 08 Apr - 15 Apr Duration: 8 Days (6 WD) Status: Proposed
Actual Date:

WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			6	Total Maintenance Outage Duration Requested
OS	MOY	-		DO	4	110kV SF6 Cubicle Ordinary Service
AMCAB	TAW	110		DO	2	Cable Insp. 110kV XLPE
OPT	TAW	110	900942733	DO	1	110kV SF6 Cubicle Operational Test
				Changed		Reason for Change
1	Indicative window communicated ex-ante					
2	Initial duration communicated ex-ante					
3	Scheduled days communicated ex-ante					
4	Designated days communicated ex-ante					
5	Works description communicated ex-ante					
6	Generator outage dates					
7	Scheduled works not completed					

Please note: This should not have been included in the Ex-Ante report as it is no longer an Outturn Available Connection Asset

110kV FEEDER - MOY TAWNAGHMORE 2

TO-19-MOY-TAW-2-03 ISO week: 14mo - 14fr Date: 01 Apr - 05 Apr Duration: 5 Days (5 WD) Status: Proposed
Actual Date: 01 Apr - 06 Apr

WORK	LOCATION		WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-			3	Total Maintenance Outage Duration Requested
FO_CABLE	MOY	-	900973564	DO	2	Replace/repair cracked bonding lead on T
OPT	MOY			DO	1	110kV SF6 Cubicle Operational Test
OPT	TAW			DO	1	110kV SF6 Cubicle Operational Test
				Changed		Reason for Change
1	Indicative window communicated ex-ante					
2	Initial duration communicated ex-ante					
3	Scheduled days communicated ex-ante					
4	Designated days communicated ex-ante					
5	Works description communicated ex-ante					
6	Generator outage dates					
7	Scheduled works not completed					

GENERATOR TRANSFORMER - MULREAVY T131 [Mulreavy MB1/MB2]

TO-19-MRY-T131-01 **ISO week: 23we** **Date: 05 Jun** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 05 June

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	As a consequence of maintenance on Clogher Mulreavy
OPT	MRY		DO	1	110kV SF6 Cubicle Operational Test
Changed Reason for Change					
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - NORTH WALL T2004/5 [ESB GWM NW5]

TO-19-NW-T2004/5-01 **ISO week: 40tu - 40th** **Date: 01 Oct - 03 Oct** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 21 Oct - 30 Dec

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
AMCAB	NW	-	900913187	DO	Annual Insp. 400 & 220 Station OF Cable
OPT	NW		DO	1	220kV GIS Cubicle Operational Test
Changed Reason for Change					
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Generator requested change
4	Designated days communicated ex-ante			Yes	Generator requested change
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - POLLAPHUCA T101 [ESB GWM LI1/LI2/LI4]

TO-19-PA-T101-01 ISO week: 14tu - 14we Date: 02 Apr - 03 Apr Duration: 2 Days (2 WD) Status: Scheduled
Actual Date: 02 Apr - 03 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROT	PA		DO	2	P1 Protection Maintenance of 7SA511, 7UT513, 7SV512
			Changed		Reason for Change
1	Indicative window communicated ex-ante		No		
2	Initial duration communicated ex-ante		No		
3	Scheduled days communicated ex-ante		No		
4	Designated days communicated ex-ante		No		
5	Works description communicated ex-ante		No		
6	Generator outage dates		No		
7	Scheduled works not completed		No		

TO-19-PA-T101-02 ISO week: 14th - 15fr Date: 04 Apr - 12 Apr Duration: 9 Days (7 WD) Status: Proposed
Actual Date: 01 Apr - 12 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		7	Total Maintenance Outage Duration Requested
OS	PA	-	DO	6	110kV MO Cubicle Ordinary Service
CA	PA	-	DO	3	110KV CUBICLE CONDITION ASSESSMENT
			Changed		Reason for Change
1	Indicative window communicated ex-ante		No		
2	Initial duration communicated ex-ante		Yes		TSO error, plant should have had outage duration equal to Carlow - Pollaphuca - Stratford tee as that circuit offloads this piece of equipment
3	Scheduled days communicated ex-ante		No		
4	Designated days communicated ex-ante		No		
5	Works description communicated ex-ante		No		
6	Generator outage dates		No		
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - RATRUSSAN T121 [Bindoo BD1]

TO-19-RRU-T121-01 ISO week: 13mo - 13tu Date: 25 Mar - 26 Mar Duration: 2 Days (2 WD) Status: Proposed
Actual Date: 10 Sep - 12 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0005	DO	2	110 kV A1 @ RRU: Proximity outage for work on Ratrussan 110kV Sect / Dist Ordinary Service including busbar disconnects (SA1)
		-		1	Total Maintenance Outage Duration Requested
OPT	RRU		DO	1	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1	Indicative window communicated ex-ante		Yes		Changed as per generator request
2	Initial duration communicated ex-ante		Yes		TAO requested change: Addition of Ordinary Service on the Louth Cubicle DA Disconnects
3	Scheduled days communicated ex-ante		Yes		Changed as per generator request
4	Designated days communicated ex-ante		Yes		Changed as per generator request
5	Works description communicated ex-ante		Yes		TAO requested change: Addition of Ordinary Service on the Louth Cubicle DA Disconnects
6	Generator outage dates		No		
7	Scheduled works not completed		No		

GENERATOR TRANSFORMER - RATRUSSAN T122 [Mountain Lodge ML1]

TO-19-RRU-T122-01 **ISO week: 19tu** **Date: 07 May** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 29 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	RRU		DO	1	110kV SF6 Cubicle Operational Test
			Changed		Reason for Change
1	Indicative window communicated ex-ante			Yes	Changed as per generator request
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request
4	Designated days communicated ex-ante			Yes	Changed as per generator request
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Changed as per generator request
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - SEALROCK T103 [Aughinish Alumina SK3]

TO-19-SK-T103-01 **ISO week: 37mo - 37fr** **Date: 09 Sep - 13 Sep** **Duration: 5 Days (5 WD)** **Status: Planned**
 Actual Date: 23 Sep - 26 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		5	Total Maintenance Outage Duration Requested	
OS	SK	-	900943107	DO	5	110KV SF6 Cubicle Ordinary Service
			Changed		Reason for Change	
1	Indicative window communicated ex-ante			No		
2	Initial duration communicated ex-ante			Yes	TSO requested reduction in outage duration for system reasons	
3	Scheduled days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme	
4	Designated days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme	
5	Works description communicated ex-ante			No		
6	Generator outage dates			Yes	Generator requested change to Committed Outage Programme	
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - SEALROCK T104 [Aughinish Alumina SK4]

TO-19-SK-T104-01 **ISO week: 10mo - 10tu** **Date: 04 Mar - 05 Mar** **Duration: 2 Days (2 WD)** **Status: Scheduled**
 Actual Date: 04 Mar - 05 Mar

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		2	Total Maintenance Outage Duration Requested
OPT	SK		DO	2	110KV SF6 Cubicle Operational Test
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			No	
6	Generator outage dates			No	
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - SHANNONBRIDGE T104 [ESB GWM WO4]

TO-19-SH-T104-02 **ISO week: 21mo - 21th** **Date: 20 May - 23 May** **Duration: 4 Days (4 WD)** **Status: Planned**
 Actual Date: 20 May - 23 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		4	Total Maintenance Outage Duration Requested
OS	SH	-	DO	4	110KV SF6 Cubicle Ordinary Service
OPT	SH	-	900942710	DO	110KV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	Addition of P3 Maintenance of 7SA513
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - SLIABH BAWN T132 [Sliabh Bawn SB1]

TO-19-SLB-T132-01 **ISO week: 25we** **Date: 19 Jun** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 19 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	SLB	110	900942718	DO	110kV SF6 Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

110kV FEEDER - STRATFORD tee CARLOW

TO-19-STR,T-CLW-1-01 ISO week: 14mo - 15fr Date: 01 Apr - 12 Apr Duration: 12 Days (10 WD) Status: Scheduled
 Actual Date: 01 Apr - 12 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		7	Total Maintenance Outage Duration Requested
FO_STDMG		-	DO	2	2016CP-3[1]91 Replace Pole only
FO_STDMG		-	DO	2	2016CP-3[1]165 Replace Pole only
FO_STDMG		-	DO	2	2016CP-3[1]87 Replace Pole only
FOSTRHW		-	DO	1	2016CP-1[110]Replace Pole only –Rotten
FO_MISC		-	DO	1	2016CP-1[109]Off Plumb Pole & insulators
FO_STDMG		-	DO	1	2016CP-1[109]Replace Pole Bolt –Bent
FO_MISC		-	DO	1	2016CP-1[109]Vibration Dampers Replace
FO_STDMG		-	DO	1	2016CP-1[109]Crossarm Replacement
FOINSHW		-	DO	1	2016CP-1[117]H-ware Fit x-arm lock nut
FOINSHW		-	DO	1	2016CP-1[118]H-ware Fit x-arm lock nut
FOSTRHW		-	DO	1	2016CP-1[159]Replace Pole only
FOINSHW		-	DO	1	2016CP-1[109]H-ware Susp Clamps corroded
FO_MISC		-	900898036	DO	2017HP-1[90]Anti-Cl. Guard fit
FO_COND		-	900948076	DO	2016CP-2[89]Replace joints Midspan
TRAN			900984379	DO	2018HP-1[90]ACGfit ACG
TRAN			900989809	DO	2018HP-1[94]Check Structure-top rot – Ch

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	Yes	TAO requested change: 110kV SF6 Cubicle Operational Test on Stratford Cubicle in Carlow
6	Generator outage dates	No	
7	Scheduled works not completed	Yes	Work items highlighted in yellow above were not completed by the TAO

110kV FEEDER - STRATFORD tee POLLAPHUCA

TO-19-STR,T-PA-1-01 ISO week: 14mo - 15fr Date: 01 Apr - 12 Apr Duration: 12 Days (10 WD) Status: Scheduled
 Actual Date: 01 Apr - 12 Apr

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		10	Total Maintenance Outage Duration Requested
FO_STDMG		900898188	DO	2	2017HP-1[14]Crossarm Replacement Replace
FO_MISC			DO	1	2016CP-1[33]Off Plumb Poles
FO_MISC			DO	1	2016CP-1[13]Off Plumb Poles
TRAN		900989394	DO	1	2018HP-1[15]Off Plumb-Poles
TRAN		900989395	DO	1	2018HP-1[58-59]Check(General)-Bails
TRAN		900989396	DO	1	2018HP-1[64-65]Conflicts-Soil banked
OPT	PA		DO	1	110kV MO Cubicle Operational Test
FOSTRHW	PA	900973774	DO	1	1[33]Replace Rotten Pole
FO_MISC	PA	900975368	DO	1	1[53]Install ACG on mast no. 53

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	Yes	Work items highlighted in yellow above were not completed by the TAO

GENERATOR TRANSFORMER - TARBERT T101 [SSE Generation Ireland TB1]

TO-19-TB-T101-01 ISO week: 20mo - 20fr Date: 13 May - 17 May Duration: 5 Days (5 WD) Status: Planned
 Actual Date: 13 May - 17 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		5	Total Maintenance Outage Duration Requested
PROX		PROX	DO	2	110 kV A1/B1 @ TB: Proximity outage for work on TARBERT 110-TARBERT 110-110K1-2 (110kV Sect / Dist Ordinary Service)
OS	TB	900943278	DO	4	110KV SF6 Cubicle Ordinary Service
AMCAB	TB	900924513	DO	2	Annual Insp. 110kV Station OF Cable

		Changed	Reason for Change
1	Indicative window communicated ex-ante	No	
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	No	
4	Designated days communicated ex-ante	No	
5	Works description communicated ex-ante	No	
6	Generator outage dates	No	
7	Scheduled works not completed	No	

GENERATOR TRANSFORMER - TARBERT T102 [SSE Generation Ireland TB2]

TO-19-TB-T102-01 ISO week: 20mo - 20fr Date: 13 May - 17 May Duration: 5 Days (5 WD) Status: Planned
Actual Date: 20 May - 23 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		3	Total Maintenance Outage Duration Requested
AMCAB	TB	-	DO	2	Annual Insp. 110kV Station OF Cable
OPT	TB	-	DO	1	110KV SF6 Cubicle Operational Test
Changed					
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - TARBERT T2003 [SSE Generation Ireland TB3]

TO-19-TB-T2003-02 ISO week: 23mo - 25mo Date: 03 Jun - 17 Jun Duration: 15 Days (10 WD) Status: Planned
Actual Date: 04 Jun - 17 Jun

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		10	Total Maintenance Outage Duration Requested
OS	TB	-	DO	10	220kV MO Cubicle Ordinary Service
Changed					
			Changed		Reason for Change
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			Yes	TAO requested reduction in outage duration
3	Scheduled days communicated ex-ante			No	
4	Designated days communicated ex-ante			No	
5	Works description communicated ex-ante			Yes	TAO requested change: P3 maintenance on R3Z7, RIZ23B and Overcurrent Relay added during outage
6	Generator outage dates			No	
7	Scheduled works not completed			No	

Please note: This should not have been included in the Ex-Ante report as it is Distribution System plant

DISTRIBUTION TRANSFORMER - THURLES T142 [SDCC]

TO-19-THU-T142-01 ISO week: 36tu - 36th Date: 03 Sep - 05 Sep Duration: 3 Days (3 WD) Status: Reference (Planned)
Actual Date:

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
PROX		PR0005	DO	2	110 kV A2 @ THU: Proximity outage for work on Thurles 110kV Sect / Dist Ordinary Service (SA1-2CB)
Changed					
			Changed		Reason for Change
1	Indicative window communicated ex-ante				
2	Initial duration communicated ex-ante				
3	Scheduled days communicated ex-ante				
4	Designated days communicated ex-ante				
5	Works description communicated ex-ante				
6	Generator outage dates				
7	Scheduled works not completed				

GENERATOR TRANSFORMER - TURLOUGH HILL T2001/2 [ESB GWM TH1/TH2]

TO-19-TH-T2001/2-01 **ISO week: 21we - 21fr** **Date: 22 May - 24 May** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 19 May - 31 May

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		3	Total Maintenance Outage Duration Requested	
OPT	TH		DO	3	220kV MO Cubicle Operational Test	
AMCAB	TH	-	900924484	DO	2	Annual Insp. 400 & 220 Station OF Cable
			Changed	Reason for Change		
1	Indicative window communicated ex-ante			No		
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request	
4	Designated days communicated ex-ante			Yes	Changed as per generator request	
5	Works description communicated ex-ante			No		
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - TURLOUGH HILL T2003/4 [ESB GWM TH3/TH4]

TO-19-TH-T2003/4-01 **ISO week: 21mo - 21we** **Date: 20 May - 22 May** **Duration: 3 Days (3 WD)** **Status: Planned**
 Actual Date: 05 June - 14 June

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
		-		3	Total Maintenance Outage Duration Requested	
OPT	TH		DO	3	220kV MO Cubicle Operational Test	
AMCAB	TH	-	900924485	DO	2	Annual Insp. 400 & 220 Station OF Cable
			Changed	Reason for Change		
1	Indicative window communicated ex-ante			Yes	Changed as per generator request	
2	Initial duration communicated ex-ante			No		
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request	
4	Designated days communicated ex-ante			Yes	Changed as per generator request	
5	Works description communicated ex-ante			No		
6	Generator outage dates			No		
7	Scheduled works not completed			No		

GENERATOR TRANSFORMER - TYNAGH T2001/2 [Tynagh Energy TYC]

TO-19-TY-T2001/2-01 **ISO week: 39mo** **Date: 23 Sep** **Duration: 1 Day (1 WD)** **Status: Planned**
 Actual Date: 16 Sep

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
		-		1	Total Maintenance Outage Duration Requested
OPT	TYN		DO	1	220kV SF6 Cubicle Operational Test
			Changed	Reason for Change	
1	Indicative window communicated ex-ante			No	
2	Initial duration communicated ex-ante			No	
3	Scheduled days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
4	Designated days communicated ex-ante			Yes	Generator requested change to Committed Outage Programme
5	Works description communicated ex-ante			No	
6	Generator outage dates			Yes	Generator requested change to Committed Outage Programme
7	Scheduled works not completed			No	

GENERATOR TRANSFORMER - UGGOOL T131 [Uggool]

TO-19-UGL-T131-01 **ISO week: 23tu - 23fr** **Date: 04 Jun - 07 Jun** **Duration: 4 Days (4 WD)** **Status: Planned**
 Actual Date: 30 Jul - 31 Jul

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				4	As a consequence of maintenance on Knockranny Uggool	
		-		3	Total Maintenance Outage Duration Requested	
AMCAB	UG	110	900944067	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	UGL	110	900942783	DO	1	110kV GIS Cubicle Operational Test

		Changed	Reason for Change
1	Indicative window communicated ex-ante	Yes	Changed as per generator request
2	Initial duration communicated ex-ante	No	
3	Scheduled days communicated ex-ante	Yes	Changed as per generator request
4	Designated days communicated ex-ante	Yes	Changed as per generator request
5	Works description communicated ex-ante	No	
6	Generator outage dates	Yes	Changed as per generator request
7	Scheduled works not completed	Yes	Work items highlighted in yellow above were not completed by the TAO