

**EirGrid Ex-Post Outturn
Availability Connection
Asset Maintenance Report
for the 2016 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.

The document has been produced in accordance with the SEMC decision. This Ex-Post Outturn Availability Connection Asset (OACA) Maintenance Report for the 2016 outage season contains details of the maintenance of OACAs for the 2016 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](#)
- [Ex-Ante Outturn Availability Connection Asset Annual Maintenance Plan 2016](#)
- [The EirGrid and SONI Implementation Approach to the SEM Committee Decision Paper SEM-15-071](#)

Overview of the 2016 Outage Season

During the 2016 outage season:

- 90 OACA outages were processed. This figure was subject to in-season change as network configurations changed and facilities moved to a VPTG status.
- 56 scheduled Generator outages were planned in the Committed Outage Programme (COP) at the start of 2016, in season:
 - The TSO approved more than 50 changes to the Generator outage dates as published in the COP.
 - The TSO received 85 Short Term Maintenance Outages (STMOs as described on the EirGrid website).

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

Figure 1 gives percentage changes to the categories described in Appendix 2. Percentages are reported based on the TOP-IDs¹ of scheduled works. A TOP-ID was 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.

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 (Yes), there was not a change (No) or a change to the category is not applicable (n/a). 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 "Other". "Other" covers the situation where the reason for the change is not directly applicable to the TSO, TAO or the generator.

¹ The EirGrid Ex-Ante Outturn Availability Connection Asset Annual Maintenance Plan 2016 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-16-ST1-ST2-1-01.

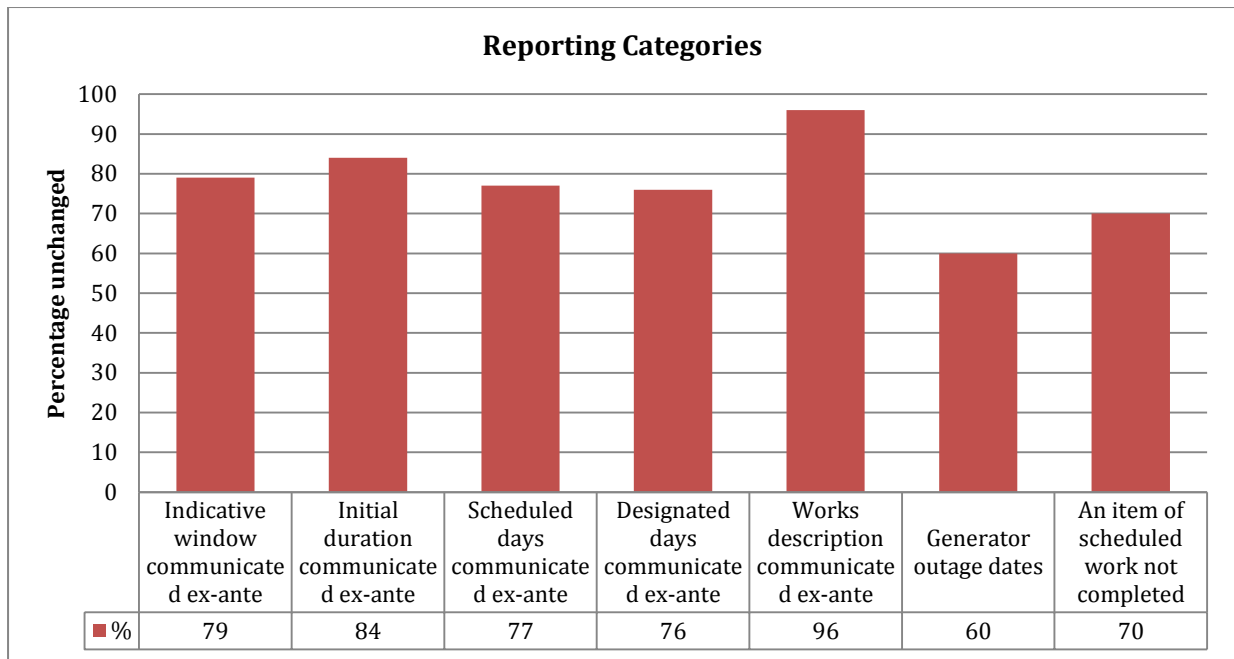


Figure 1: Reporting categories and percentage unchanged.

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 affecting a change to the programme. As shown in Figure 2, of all the indicative windows communicated in February 2016, approximately three quarters remained unchanged at the end of the season, with 13 % of the change driven by generator requested changes to outage dates.

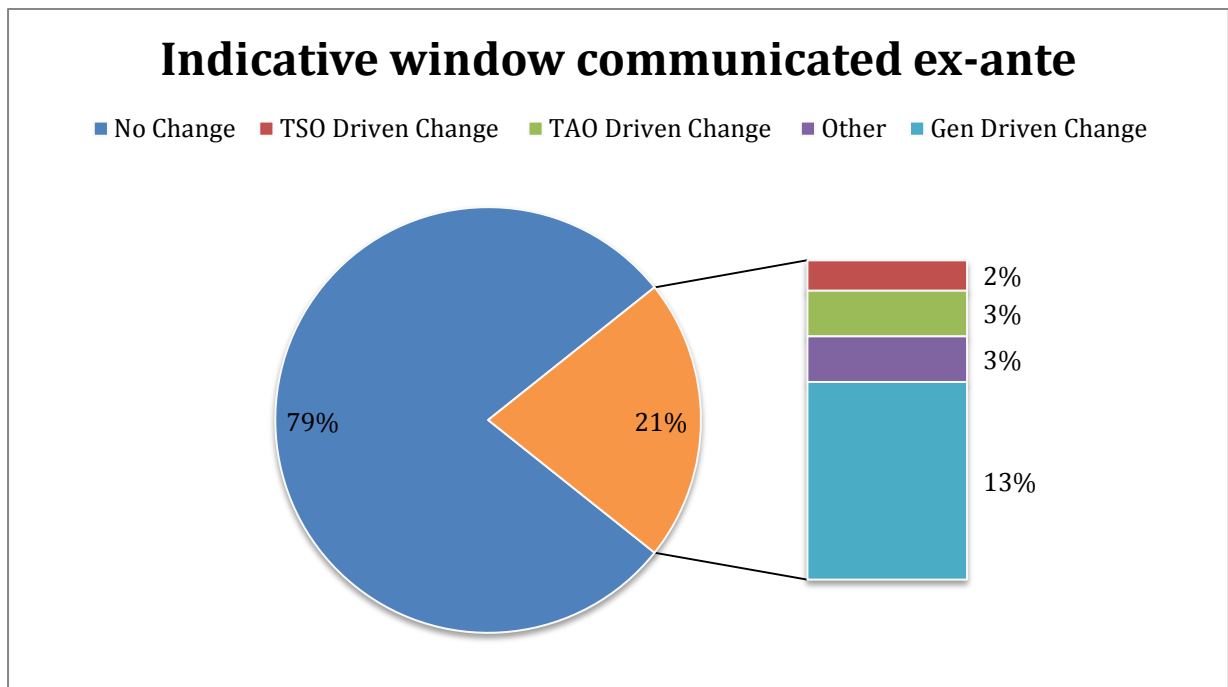


Figure 2: Category 1 - Indicative window communicated ex-ante

Figure 3 shows that 84 % of the Initial durations communicated ex-ante remained unchanged from the start of the season. Of those that did change, most were related to works either finishing early or works overrunning.

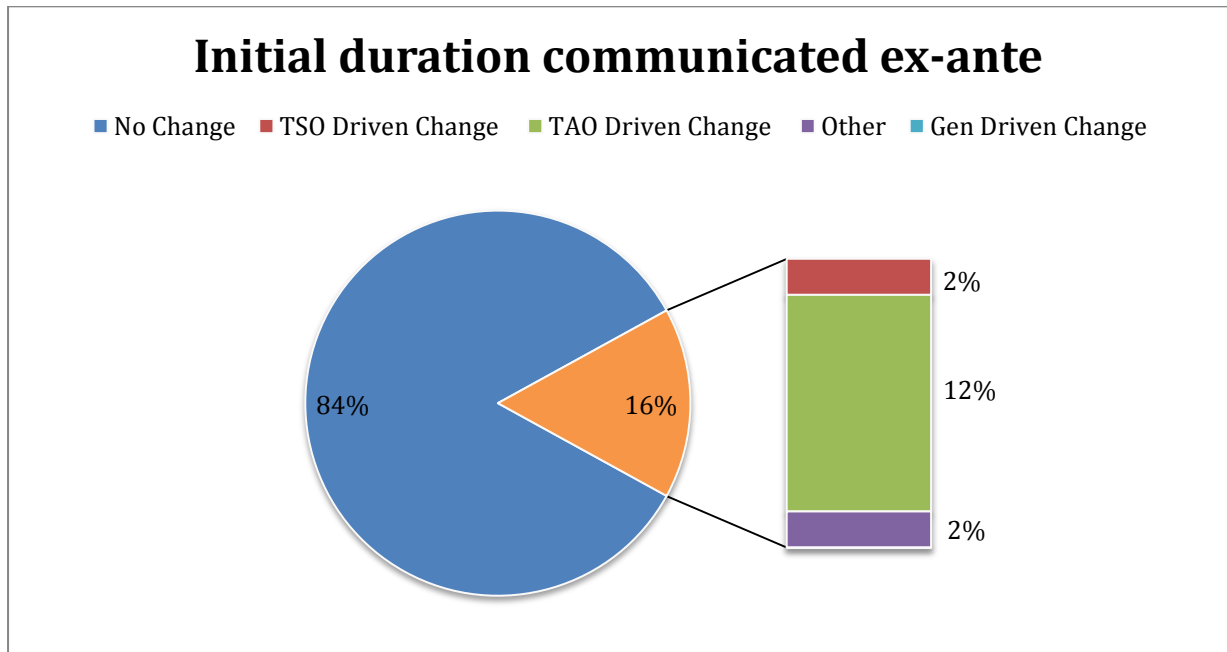


Figure 3: Category 2 - Initial duration communicated ex-ante

As shown in Figure 4 most of the changes in the scheduled days communicated ex-ante originated from changes in generator outage dates or generator requests. Other changes were driven by the impact the outage would have had on load or where the planned works had to be cancelled by the TAO or TSO.

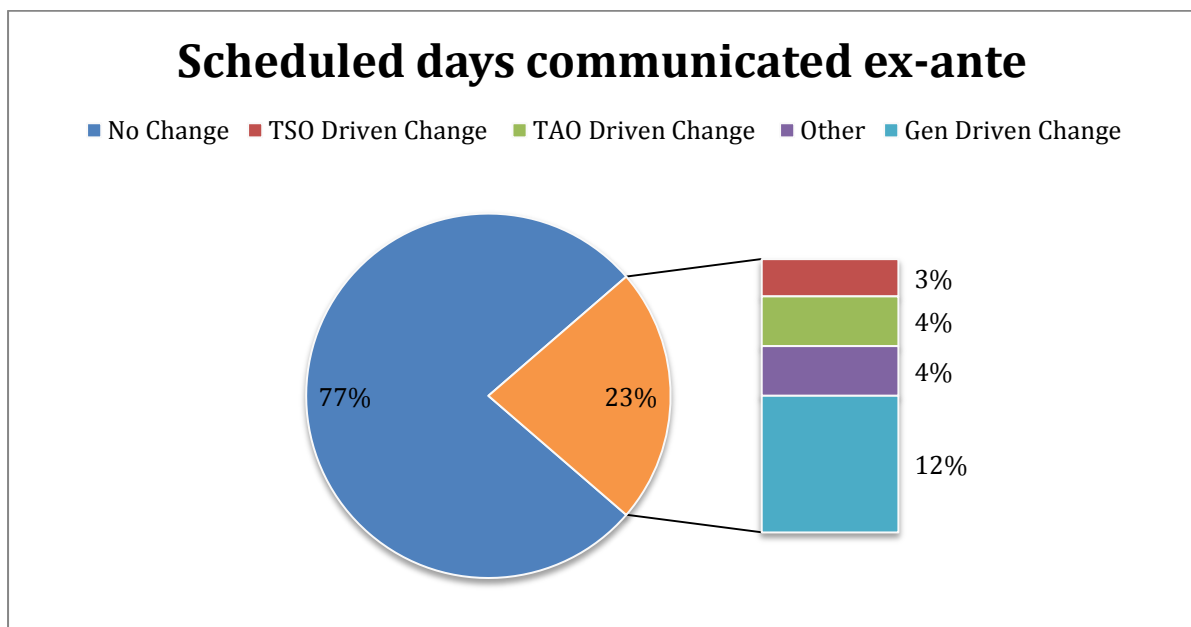


Figure 4: Category 3 - Scheduled days communicated ex-ante

Figure 5 were mainly driven by generator requested changes to outage dates. Other changes were due to DSO requested changes to ensure distribution system security.

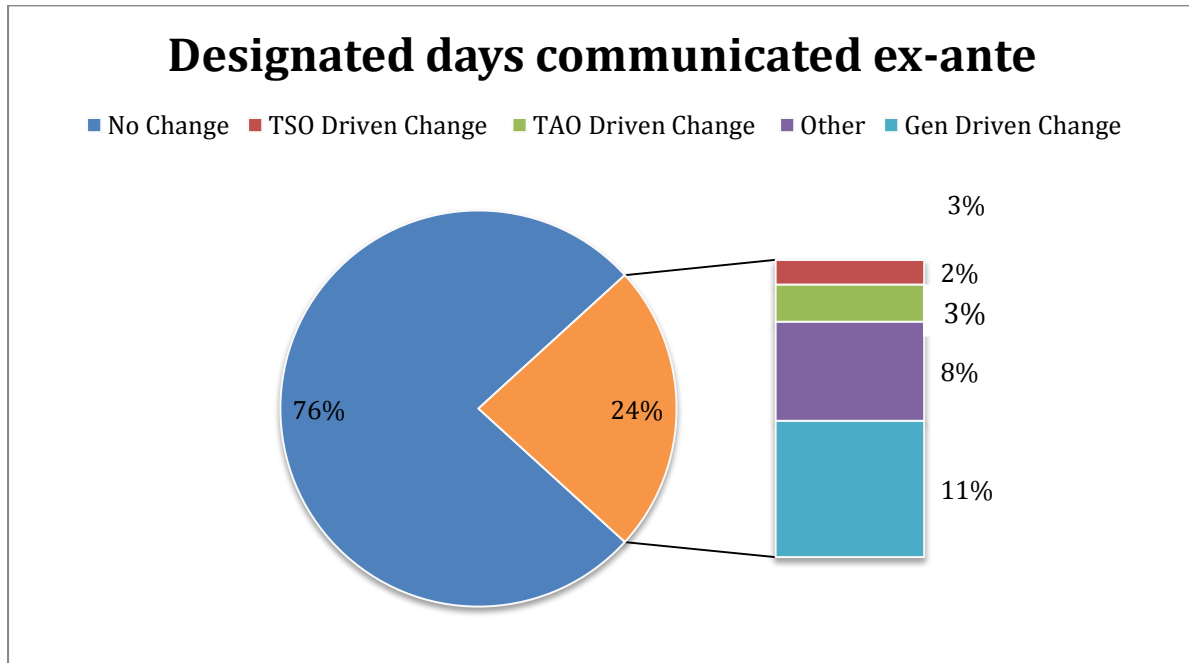


Figure 5: Category 4 - Designated days communicated ex-ante

Changes to works description communicated ex-ante in Figure 6 covers the situation where the corrective maintenance tasks were added in season.

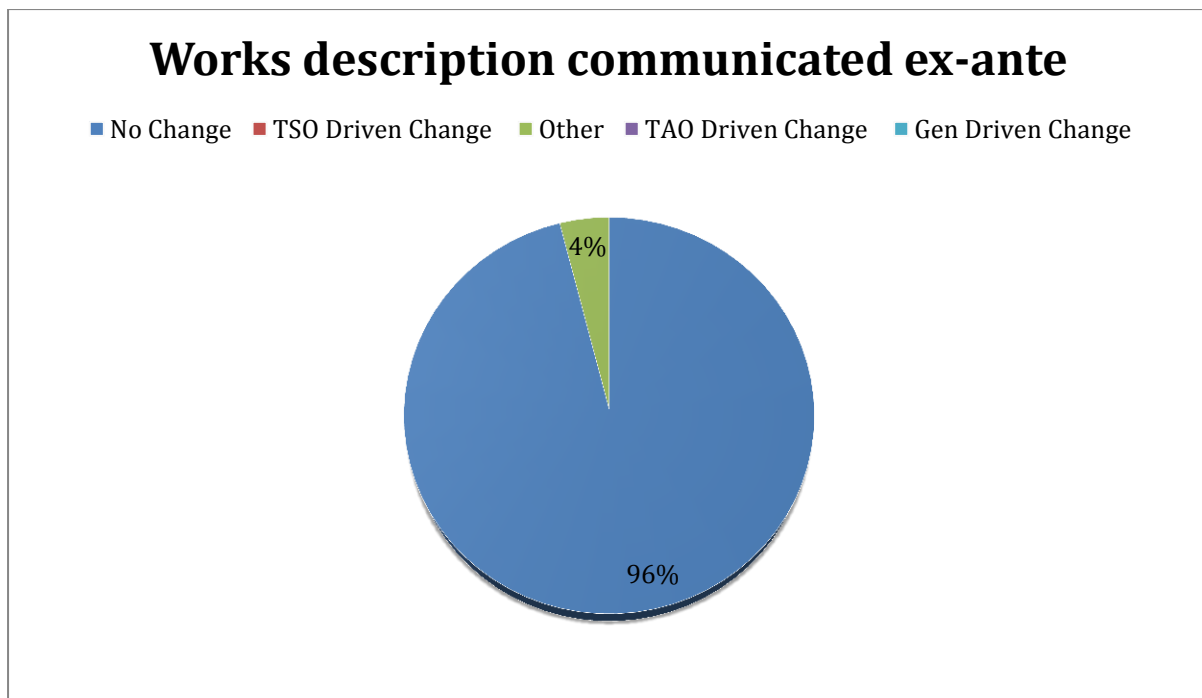


Figure 6: Category 5 - Works description communicated ex-ante

Figure 7 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.

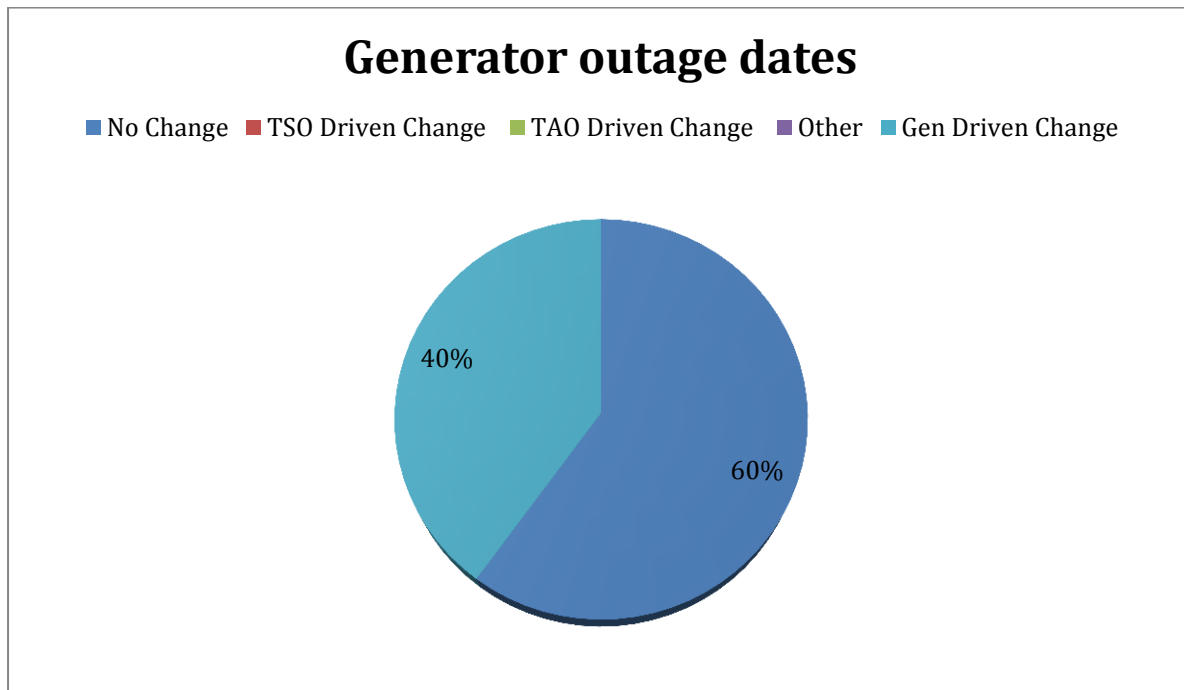


Figure 7: Category 6 - Generator outage dates

Figure 8 shows the number of changes to the COP processed by the TSO in 2016. 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. Subsequent to the publication of the 2016 COP (published in September 2015), the TSO/TAO did not change any generator outage dates as per the COP. Outages not included in the COP are classified as STMOs. These 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. Figure 8 does not include the situation where transmission maintenance was aligned at short notice to overlap with a generator's forced outage which occurred in one case.

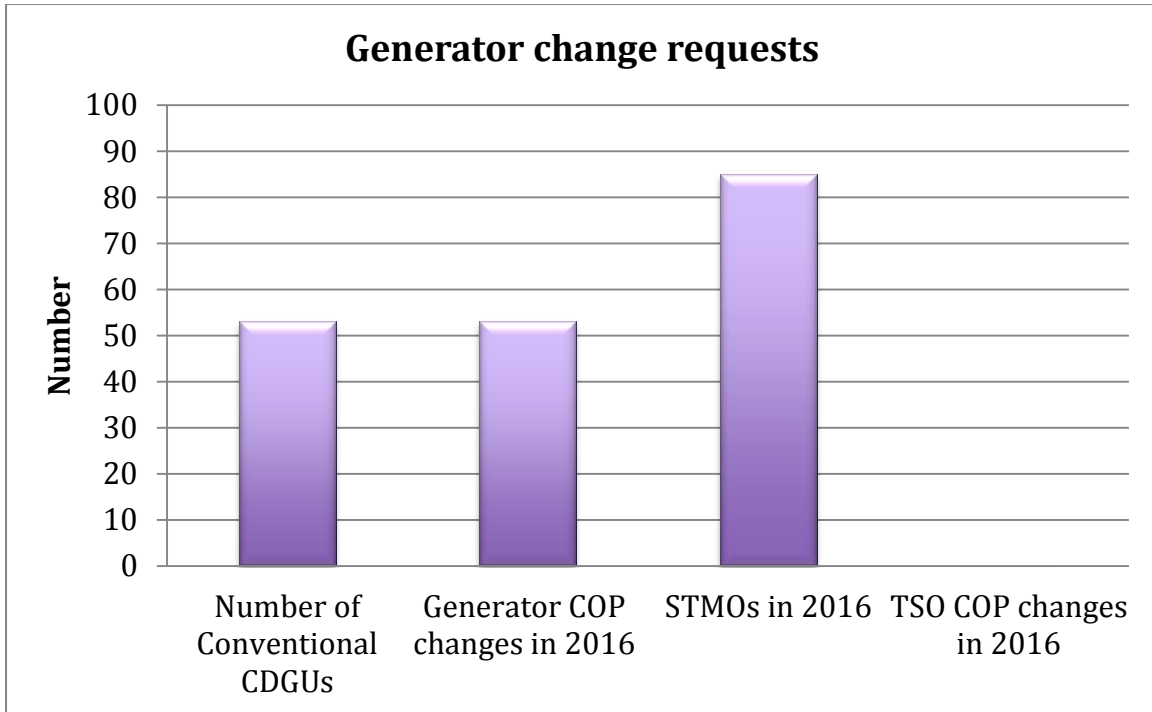


Figure 8: Generator change requests processed in 2016.

Of the TOP-IDs, 70% had all scheduled work items completed as shown in Figure 9. The work items not completed included low priority protection maintenance as well as miscellaneous items which remained uncompleted. Of the individual work items (there can be many of these per TOP-ID) approximately 90% were completed.

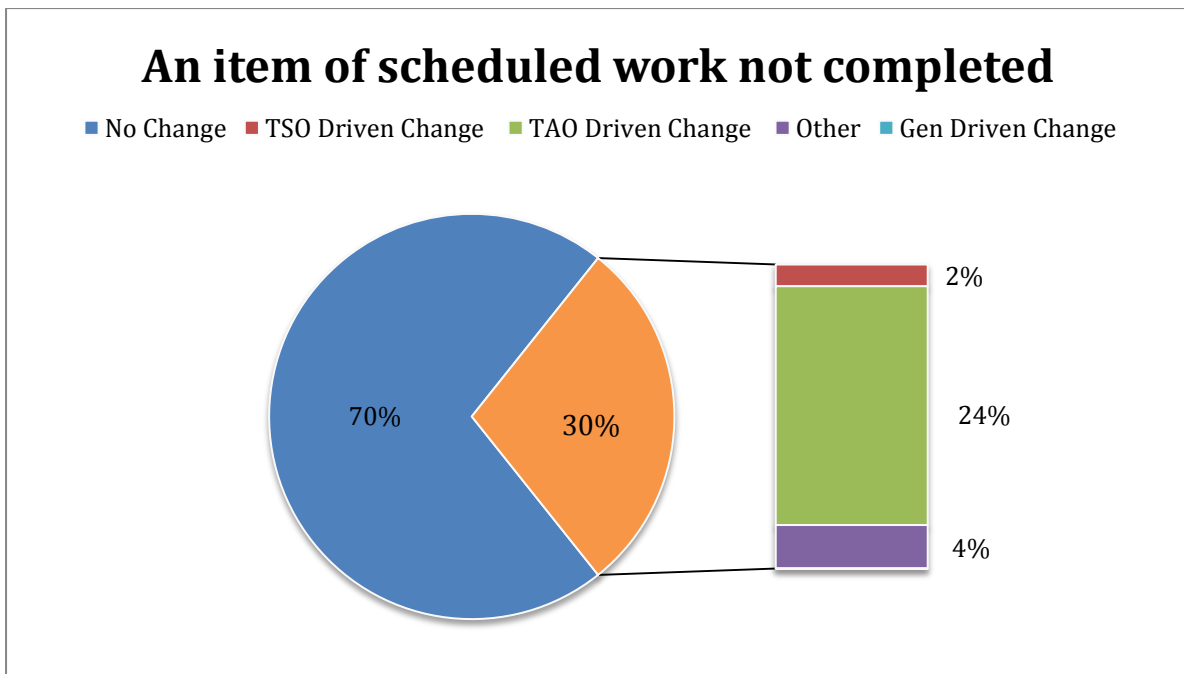


Figure 9: Category 8 – An item of scheduled work not completed

Initiatives for improvement

This is the first 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 first such report, feedback from the 2016 Ex-Post forum will be factored into the 2017 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 2016, this had work items classified as Scheduled, Proposed or Indicative. Outages several months in the future were initially classified as Indicative. As the outage window approached, the outage moved to a proposed/scheduled state.

Table 1: Outage states throughout the season.

Outage Classification	Outage Description
<i>Indicative</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.

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 2016

GENERATOR TRANSFORMER - XXXX					
TO-16-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 2016 scheduled OACAs maintenance works are reported in this document. Changes to the 8 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. The set of standard reasons for change are described in Table 5. A “na” in column 3 indicates that the category is “non-applicable” due, for example, to the outage taking place pre-season.

Table 3: Reporting categories in the Ex-Post report

#	Category	Changes	Reason For Change
1	<i>Indicative window communicated ex-ante</i>	Yes/na	
2	<i>Initial duration communicated ex-ante</i>	Yes/na	
3	<i>Scheduled days communicated ex-ante</i>	Yes/na	
4	<i>Designated days communicated ex-ante</i>	Yes/na	
5	<i>Works description communicated ex-ante</i>	Yes/na	
6	<i>Generator outage dates</i>	Yes/na	
7	<i>An item of scheduled work not completed</i>	Yes/na	

The categories 1 to 7 are explained as follows

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 in February of 2016.
2	<i>Initial duration communicated ex-ante</i>	This indicates if the outage took the number of days communicated to the generator in February of 2016.
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 non-OA for maintenance) were changed from those communicated to the generation 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 in February 2016.
6	<i>Generator outage dates</i>	A change to this category indicates that the generator applied to the TSO to change their 2016 generator outage date as published in the Committed Outage Programme (COP).
7	<i>An item of scheduled work not completed</i>	This category indicates if any one of the work scheduled under the TOP-ID prior to the outage was not completed.

The reasons for any changes to the eight categories are listed in Table 5 below.

Table 5: Change Description

#	Standard Reason	Reason Description
1	<i>Extended due to TAO resourcing</i>	Where an extension originated from a lack of available TAO resources.
2	<i>Changed due to TAO resourcing</i>	Where a change originated from a lack of availability ESBN resources.
3	<i>DSO requested change</i>	Where an outage was amended due to its effect on the distribution system.
4	<i>Changed to align with capital works</i>	Where scheduled maintenance works moved (or were initially unscheduled and then moved) to overlap with capital works which disconnect the asset.
5	<i>Oversized window due to Maintenance/ Capital/Generator overlap</i>	Where the scheduled days for the works exceed the amount of days required for works but are typically less than or equal to the generation unit's own outage window. This can happen for example when the generation unit's work precludes the transmission maintenance works being completed in one continuous block. Extending the outage window allows for flexibility in the completion of the subcomponents of the maintenance within the generation unit's own outage to minimise the potential down time of the generation unit. Another potential scenario is where OACA maintenance is overlapped with other works (e.g. capital work or non-OACA maintenance) whose duration exceeds the OACA maintenance.
6	<i>Changed as per generator request.</i>	Where an IPP requests a change for technical or commercial reasons.
7	<i>Forced overrun</i>	Where works overrun due to unforeseen problems.
8	<i>Not available (& reason why).</i>	Information unavailable & reason why.
9	<i>Custom change</i>	Change for ease of implementation with no material impact. For example, where the maintenance days were exceed by the duration

		of the generator outage. The designated days may be modified for ease of implementation by the generator (where changing the designated days has no material impact).
10	<i>Generator requested change to COP</i>	Where a generator applied for a change to the COP. This may necessitate a change which originates from a generator applying to change its outage dates as published in the Committed Outage Programme as published on the SEMO website.
11	<i>TSO cancellation/postponement of works</i>	Where the TSO cancelled works for unforeseen reasons (e.g. system security).
12	<i>TAO cancellation of works</i>	Where the TAO cancelled works for unforeseen reasons (e.g. safety).
13	<i>Works unscheduled.</i>	Works unscheduled at the start of the outage season, for example where uncertainties around the works effect on third parties (e.g. DSO load) prevent scheduling.
14	<i>Works completed early</i>	Where the works were completed in less than the standard durations as scheduled in the outage plan.
15	<i>Corrective maintenance task added in season.</i>	Where works were identified during annual inspections which had to be completed within the calendar year.
16	<i>Pre-season</i>	Outage completed before outages were scheduled in the Transmission Outage Plan for the season (i.e. February).
17	<i>Completed in 2015</i>	Where the work was completed in 2015 and was not due in 2016. These works were typically included in the 2016 OACA maintenance plan because completions were not received by the TSO prior to OACA maintenance scheduling.
18	<i>Changed to align with capital works</i>	Changed to align with major capital works were the generator outage dates were subject to change.
19	<i>Resources not available</i>	Work items listed under the Description/Comments section as P3 - Maintenance of the bay protection relays did not typically take place due to protection maintenance resourcing issues.

Appendix 3: Ex-Post Reporting Format

In this appendix, the OACA maintenance report lists changes as per points 1 to 7 from Table 3, this forms the OACA maintenance report and changes are reported by exception only.

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). Due to the paralleling of works, the “Total Maintenance Outage Duration Requested” is not the cumulative sum of the duration of the individual work items if com.

110kV FEEDER - AGANNYGAL DERRYBRIEN					
TO-16-AGL-DYN-1-01		ISO week: 23we - 23fr		Date: 08 Jun - 10 Jun	
Duration: 3 Days (3 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
CM	AGL		DO	3	CB - Siemens 3AP mod required to prevent spring charging lockout with loss of AC.
CM	AGL	900638814	DO	1	Oil sampling
OPT	AGL	900743178	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change
2	Initial duration communicated ex-ante			Yes	Changed as per generator request.
7	Scheduled works not completed			Yes	Oil sampling: Completed in 2015

GENERATOR TRANSFORMER - LONG POINT T2002 [ESB GWM AD2]					
TO-16-LPT-T2002-01		ISO week: 44tu - 48mo		Date: 01 Nov - 28 Nov	
Duration: 28 Days (20 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
AMCAB	LPT	900776629	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
CM	LPT	900730927	DO	1	O1 T2002 220 earth disconnect needs adjustment
OPT	LPT	900744710	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change
1	Indicative window communicated ex-ante			Yes	TSO cancellation/postponement of works
2	Initial duration communicated ex-ante			Yes	TSO cancellation/postponement of works
3	Scheduled days communicated ex-ante			Yes	TSO cancellation/postponement of works
4	Designated days communicated ex-ante			Yes	TSO cancellation/postponement of works
7	Scheduled works not completed			Yes	TSO cancellation/postponement of works

220kV FEEDER - AGHADA LONG POINT

TO-16-AD-LPT-1-01 ISO week: 44tu - 48mo Date: 01 Nov - 28 Nov Duration: 28 Days (20 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
OPT	AD	900744719	DO	1	220kV SF6 Cubicle Operational Test
AMCAB	CABLE	900741909	DO	2	Annual Insp. 400 & 220 Feeder XLPE Cable
PROT	LPT		DO	1	P3 - Maintenance of the bay protection relays
				Change	Reasons For Change
1	Indicative window communicated ex-ante			Yes	TSO cancellation/postponement of works
2	Initial duration communicated ex-ante			Yes	TSO cancellation/postponement of works
3	Scheduled days communicated ex-ante			Yes	TSO cancellation/postponement of works
4	Designated days communicated ex-ante			Yes	TSO cancellation/postponement of works
7	Scheduled works not completed			Yes	TSO cancellation/postponement of works

GENERATOR TRANSFORMER - AGHADA T2001 [ESB GWM AD1]

TO-16-AD-T2001-01 ISO week: 21tu - 21fr Date: 24 May - 27 May Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested (QA)
AMCAB	AD		DO	2	Annual Insp. 400 & 220 Station OF Cable
FM	AD		DO	2	HV Pressure Vessel Inspection
CM	AD	900693023	DO	2	Sample oil in CTs before May 16
PROT	AD		DO	1	P2 - Maintenance of the bay protection relays
CMCAB	AD	900685866	DO	1	Replace Differential Oil Alarm Gauge
OPT	AD	900742213	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change
2	Initial duration communicated ex-ante			Yes	Works completed early
7	Scheduled works not completed			Yes	P2 - Maintenance of the bay protection relays : Completed in 2015, Replace Differential Oil Alarm Gauge: Resources not available.

GENERATOR TRANSFORMER - AGHADA T2011/12 [ESB GWM AT11/AT12]						
TO-16-AD-T2011/12-01 ISO week: 30mo - 30fr Date: 25 Jul - 29 Jul Duration: 5 Days (5 WD)						
					5	Total Maintenance Outage Duration Requested (QA)
OS	AD	900775122	DO		5	220kV SF6 Cubicle Ordinary Service
AMCAB	AD		DO		2	Annual Insp. 400 & 220 Station OF Cable
FM	AD		DO		2	HV Pressure Vessel Inspection
PROT	AD		DO		1	P3 - Maintenance of the bay protection relays
OPT	AD	900774852	DO		1	220kV SF6 Cubicle Operational Test
					Change	Reasons For Change
7	Scheduled works not completed			Yes	P3 - Maintenance of the bay protection relays: Completed in 2015	

GENERATOR TRANSFORMER - AGHADA T2014 [ESB GWM AT4]						
TO-16-AD-T2014-01 ISO week: 41mo - 42tu Date: 10 Oct - 18 Oct Duration: 9 Days (7 WD)						
WORK	LOCATION	WORK ID	STATUS		DAYS	DESCRIPTION/COMMENTS
					3	Total Maintenance Outage Duration Requested
AMCAB	AD		DO		2	Annual Insp. 400 & 220 Station OF Cable
PROT	AD		DO		1	P3 - Maintenance of the bay protection relays
CMCAB	AD	900685864	DO		1	Replace Low & Differential Oil Alarm Gauge
OPT	AD	900742215	DO		1	220kV SF6 Cubicle Operational Test
					Change	Reasons For Change
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP	
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
6	Generator Outage Dates			Yes	Generator requested change to COP	
7	Scheduled works not completed			Yes	Replace Low & Differential Oil Alarm Gauge: Resources not available : P3 - Maintenance of the bay protection relays: Completed in 2015	

GENERATOR TRANSFORMER - ARDNACRUSHA T101 [ESB Energy Ireland AA1]

TO-16-AA-T101-01 ISO week: 33 Date: 15 Aug - 17 Aug Duration: 3 Days (3 WD)

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 MO Cubicle Operational Test
				Change	Reasons For Change/Comment
4	Designated days communicated ex-ante			na	Not available (Days issued later than M-4 due to uncertainty around capex works).
6	Generator Outage Dates			Yes	Generator requested change to COP.

GENERATOR TRANSFORMER - ARDNACRUSHA T102 [ESB GWM AA2]

TO-16-AA-T102-01 ISO week: 20tu - 20th Date: 17 May - 19 May Duration: 3 Days (3 WD)

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	900743440	DO	1	110KV MO Cubicle Operational Test

GENERATOR TRANSFORMER - ARDNACRUSHA T103 [ESB GWM AA3]

TO-16-AA-T103-01 ISO week: 24tu - 24th Date: 14 Jun - 16 Jun Duration: 3 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested (QA)
AMCAB	AA		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	AA	900743405	DO	1	110KV MO Cubicle Operational Test

GENERATOR TRANSFORMER - ARDNACRUSHA T104 [ESB GWM AA4]

TO-16-AA-T104-01 ISO week: 35tu - 35th Date: 30 Aug - 01 Sep Duration: 3 Days (3 WD)

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	900774963	DO	1	110KV MO Cubicle Operational Test

110KV FEEDER - ATHEA DROMADA

TO-16-ATE-DRO-1-04 ISO week: 13tu - 19fr Date: 29 Mar - 13 May Duration: 46 Days (33 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
MISC		MISC		3	As a consequence of maintenance on ATHEA TRIEN
OPT	ATE	900745337	DO	1	110KV SF6 Cubicle Operational Test
AMCAB	Cable		DO	2	Annual Insp. 110kV Feeder XLPE Cable
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

GENERATOR TRANSFORMER - ATHEA T121 [Athea AH1]

TO-16-ATE-T121-04 ISO week: 13tu - 19fr Date: 29 Mar - 13 May Duration: 46 Days (33 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		3	As a consequence of maintenance on ATHEA TRIEN
	ATE			1	Total Maintenance Outage Duration Requested
OPT	ATE	110 900745321	DO	1	110KV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

110kV FEEDER - ATHEA TRIEN

TO-16-ATE-TRI-1-03 ISO week: 13tu - 19fr Date: 29 Mar - 13 May Duration: 46 Days (33 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
CM		900717867	DO	1	O2. Replace surge counter in Athea cubicle
FO_MISC		900727003	DO	1	2015HP-1[47]Bird Nests
FOINSHW		900727004	DO	1	2015HP-1[1]Sus/Dup 110kV replace
OPT	ATE	900745319	DO	1	110kV SF6 Cubicle Operational Test
AMCAB	Cable		DO	2	Annual Insp. 110kV Feeder XLPE Cable
AMCAB	Cable	900775874	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	TRI	900744764	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		na	Oversized window due to Maintenance/Capital/Generator overlap	
2	Initial duration communicated ex-ante		na	Oversized window due to Maintenance/Capital/Generator overlap	
3	Scheduled days communicated ex-ante		na	Oversized window due to Maintenance/Capital/Generator overlap	
7	Scheduled works not completed		Yes	2015HP-1[1]Sus/Dup 110kV replace: Resources not available.	

110kV FEEDER - AUGHINISH SEALROCK 3

TO-16-AUG-SK-3-01 ISO week: 37mo - 37th Date: 12 Sep - 15 Sep Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested
AMCAB	AUG		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
CM	AUG	900692918	DO	2	Replace 3 cracked stand off insulators on cable screen earths
OPT	AUG	900742818	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		Yes	Generator requested change to COP	
3	Scheduled days communicated ex-ante		Yes	Generator requested change to COP	
4	Designated days communicated ex-ante		Yes	Generator requested change to COP	
6	Generator Outage Dates		Yes	Generator requested change to COP	
7	Scheduled works not completed		Yes	Replace 3 cracked stand off insulators on cable screen earths: Resources not available	

110kV FEEDER - AUGHINISH SEALROCK 4

TO-16-AUG-SK-4-01 ISO week: 27mo - 30we Date: 04 Jul - 27 Jul Duration: 24 Days (18 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				15	Total Maintenance Outage Duration Requested
CMCAB	AUG	900692928	DO	15	Investigate and repair sheath fault T-phase
AMCAB	AUG		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	AUG	900742820	DO	1	110kV SF6 Cubicle Operational Test
	AUG	900766923	DO	1	Investigate hoptspot on T phase busbar conductor
CM	AUG	900766923	DO	1	Investigate hoptspot on T Phase Line disconnect
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Extended due to TAO Resourcing
3	Scheduled days communicated ex-ante			Yes	Extended due to TAO Resourcing
6	Generator Outage Dates			Yes	Generator requested change to COP

110kV FEEDER - BALLYWATER CRANE [Ballywater BW1]

TO-16-BWR-CRA-1-01 ISO week: 36mo - 36fr Date: 05 Sep - 09 Sep Duration: 5 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested (QA)
OS	CRA	900691793	DO	4	110kV SF6 Cubicle Ordinary Service
CA	CRA	900692453	DO	3	110kV CUBICLE CONDITION ASSESSMENT
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Changed as per generator request
2	Initial duration communicated ex-ante			Yes	Works completed early
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request
4	Designated days communicated ex-ante			Yes	Changed as per generator request

110kV FEEDER - BOGGERAGH CLASHAVOON							
TO-16-BGH-CLA-1-02		ISO week: 41tu		Date: 11 Oct		Duration: 1 Day (1 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
FO_MISC			DO	1	[70] Fit Protective Sleeve		
FO_MISC			DO	1	[64] Fit Protective Sleeve		
				Change	Reasons For Change/Comment		
1	Indicative window communicated ex-ante			na	Corrective maintenance task added in season		
2	Initial duration communicated ex-ante			na	Corrective maintenance task added in season		
3	Scheduled days communicated ex-ante			na	Corrective maintenance task added in season		
4	Designated days communicated ex-ante			na	Corrective maintenance task added in season		
5	Works description communicated ex-ante			Yes	Corrective maintenance task added in season		
6	Generator Outage Dates			na	Corrective maintenance task added in season		
7	Scheduled works not completed			na	Corrective maintenance task added in season		
TO-16-BGH-CLA-1-01		ISO week: 31tu - 31th		Date: 02 Aug - 04 Aug		Duration: 3 Days (3 WD)	
				3	Total Maintenance Outage Duration Requested (QA)		
FO_MISC		900727123	DO	1	2015HP-1[16]Vib Dampers Check E/W		
PROT	BGH		DO	1	P3 - Maintenance of the bay protection relays		
OPT	BGH	900741963	DO	1	110kV SF6 Cubicle Operational Test		
AMCAB	Cable	900776545	DO	2	Annual Insp. 110kV Feeder XLPE Cable		
CMCAB	Cable	900373863	DO	1	Replace link box covers		
PROT	CLA		DO	1	P3 - Maintenance of the bay protection relays		
CM	CLA		DO	1	Replace S phase fuse on VT		
OPT	CLA	900744755	DO	1	110kV SF6 Cubicle Operational Test		
				Change	Reasons For Change/Comment		
7	Scheduled works not completed			Yes	2015HP-1[16]Vib Dampers Check E/W: Resources not available, Replace link box covers: Resources not available		

GENERATOR TRANSFORMER - BOGGERAGH T121 [Boggeragh BG1]							
TO-16-BGH-T121-01		ISO week: 31tu - 31th		Date: 02 Aug - 04 Aug		Duration: 3 Days (3 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
MISC		MISC		3	As a consequence of maintenance on BOGGERAGH CLASHAVOON		
	BGH			1	Total Maintenance Outage Duration Requested		
OPT	BGH	900753509	DO	1	110kV SF6 Cubicle Operational Test		

110kV FEEDER - BOOLTIAGH ENNIS

TO-16-BOL-ENN-1-01 ISO week: 37mo - 37fr Date: 12 Sep - 16 Sep Duration: 5 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
FO_MISC		900649655	DO	1	2014HP-1[47]Insulator plumb insulators
FOINSHW		900727042	DO	1	2015HP-1[118]Insul&H-ware check
CM	BOL		DO	3	Bolts have sheared on VT, require replacement (see CA 2015
OPT	BOL	900742985	DO	1	110kV SF6 Cubicle Operational Test
OPT	ENN	900754161	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
7	Scheduled works not completed			Yes	2014HP-1[47]Insulator plumb insulators, 2015HP-1[117]Insul&H-ware check: Non urgent postponed to 2017

GENERATOR TRANSFORMER - BOOLTIAGH T121 [Booltiagh BT1/BT2]

TO-16-BOL-T121-01 ISO week: 37mo - 37fr Date: 12 Sep - 16 Sep Duration: 5 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
MISC		MISC		5	As a consequence of maintenance on BOOLTIAGH ENNIS
OS	BOL	900662409	DO	4	110kV SF6 Cubicle Ordinary Service
CA	BOL	900692455	DO	3	110KV CUBICLE CONDITION ASSESSMENT

GENERATOR TRANSFORMER - CARRIGADROHID T103 [ESB GWM LE3]

TO-16-CD-T103-01 ISO week: 30th Date: 28 Jul Duration: 1 Day (1 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	CD	900744294	DO	1	110KV SF6 Cubicle Operational Test

110kV FEEDER - CASTLEDOCKRELL LODGEWOOD [Castledockrell CK1]					
TO-16-CDK-LWD-1-01 ISO week: 31tu - 31fr Date: 02 Aug - 05 Aug Duration: 4 Days (4 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested (QA)
OS	LWD	900775639	DO	4	110kV SF6 Cubicle Ordinary Service
PROT	LWD		DO	1	P3 - Maintenance of the bay protection relays
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Changed as per generator request.
3	Scheduled days communicated ex-ante			Yes	Changed as per generator request.
4	Designated days communicated ex-ante			Yes	Changed as per generator request.
7	Scheduled works not completed			Yes	P3 - Maintenance of the bay protection relays: Resources not available

110kV FEEDER - CATHALEENS FALL CLIFF					
TO-16-CF-CL-1-01 ISO week: 35mo - 36fr Date: 29 Aug - 09 Sep Duration: 12 Days (10 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	5	To facilitate IPP works on CL-T101 & CL-T102
				3	Total Maintenance Outage Duration Requested
FO_MISC		900727095	DO	1	2015HP-1[5]Bird Nests
FOSTRHW		900773877	DO	1	2015CP-1[3]Replace Pole only
OPT	CF	900742462	DO	1	110kV SF6 Cubicle Operational Test
PROT	CTH		DO	1	P3 - Maintenance of the bay protection relays
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
6	Generator Outage Dates			Yes	Generator Requested Change to COP

GENERATOR TRANSFORMER - CATHALEENS FALL T103 [ESB GWM ER3]					
TO-16-CF-T103-01 ISO week: 23we - 26mo Date: 08 Jun - 27 Jun Duration: 20 Days (14 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested (QA)
OS	CF	900775072	DO	4	110KV SF6 Cubicle Ordinary Service
CA	CF	900775960	DO	3	110KV CUBICLE CONDITION ASSESSMENT
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

GENERATOR TRANSFORMER - CATHALEENS FALL T104 [ESB GWM ER4]					
TO-16-CF-T104-01 ISO week: 27mo - 27fr Date: 04 Jul - 08 Jul Duration: 5 Days (5 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	5	To facilitate IPP works
				4	Total Maintenance Outage Duration Requested
CM		900716726	DO	1	O1 H2 T104 CB Densimeter requires replacement
CM	CF		DO	2	Small Oil leak identified on S phase VT investigate if it has deteriorated
CM	CF		DO	1	Retest T phase VT due to slightly elevated values in 2015
OPT	CF	900742459	DO	1	110KV SF6 Cubicle Operational Test

GENERATOR TRANSFORMER - CLAHANE T122 [Clahane CJ2]

TO-16-CLH-T122-01 ISO week: 7mo - 12mo Date: 15 Feb - 21 Mar Duration: 36 Days (25 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	25	To facilitate the CLH wind farm extension.
				1	Total Maintenance Outage Duration Requested
OPT	CLH	900666745	DO	1	110kV SF6 Cubicle Operational Test

				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Pre-season.
3	Scheduled days communicated ex-ante			na	Pre-season.
4	Designated days communicated ex-ante			na	Pre-season.
5	Works description communicated ex-ante			na	Pre-season.
6	Generator Outage Dates			na	Pre-season.

GENERATOR TRANSFORMER - CLIFF T101 [ESB GWM ER1]

TO-16-CL-T101-01 ISO week: 35mo - 36fr Date: 29 Aug - 09 Sep Duration: 12 Days (10 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	5	IPP Works
MISC		MISC		3	As a consequence of maintenance on CATHALEENS FALL CLIFF
				1	Total Maintenance Outage Duration Requested
OPT	CL	900742840	DO	1	110KV SF6 Cubicle Operational Test

				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

GENERATOR TRANSFORMER - CLIFF T102 [ESB GWM ER2]

TO-16-CL-T102-01 ISO week: 35mo - 36fr Date: 29 Aug - 09 Sep Duration: 12 Days (10 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	5	IPP Works
MISC		MISC		3	As a consequence of maintenance on CATHALEENS FALL CLIFF
	CL			1	Total Maintenance Outage Duration Requested
OPT	CL	900742843	DO	1	110KV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - CLOGHBOOLA T131 [Cloghboola CL1]

TO-16-CBA-T131-01 ISO week: 23tu - 23th Date: 07 Jun - 09 Jun Duration: 3 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		3	As a consequence of maintenance on CLOGHBOOLA TRIEN
MISC		MISC		1	As a consequence of maintenance on CLOGHBOOLA 110SA2
	CBA			1	Total Maintenance Outage Duration Requested
OPT	CBA	110	900780073	DO	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun.

110kV FEEDER - CLOGHBOOLA TRIEN

TO-16-CBA-TRI-1-01 ISO week: 22th - 23th Date: 02 Jun - 09 Jun Duration: 8 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested (QA)
AMCAB	Cable	900775874	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	CBA	900774936	DO	1	110kV SF6 Cubicle Operational Test
OPT	TRI	900774874	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun.

110kV FEEDER - CLONKEEN COOMAGEARLAHY

TO-16-CKN-CGL-1-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	4	As a consequence of maintenance on CGL-110SA1
				3	Total Maintenance Outage Duration Requested
AMCAB	Cable	900776554	DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	CGL	900743076	DO	1	110kV SF6 Cubicle Operational Test
CM	CKN		DO	2	Replace rubber bellows arteche
CM	CKN	900703373	DO	1	O2. Replace surge counter in Coomagearlahy CU - damp-KS.
OPT	CKN	900742885	DO	1	110kV SF6 Cubicle Operational Test
	Line	900727141	DO	1	Plumb poles
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun.

110kV FEEDER - COOMAGEARLAHY GLANLEE

TO-16-CGL-GAE-1-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		4	As a consequence of maintenance on COOMAGEARLAHY 110SA1
				3	Total Maintenance Outage Duration Requested
MISC		MISC		3	As a consequence of maintenance on CLONKEEN COOMAGEARLAHY
MISC		MISC		2	As a consequence of maintenance on COOMAGEARLAHY 110SA2
AMCAB	CGL	900776560	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	CGL	900666652	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun.

GENERATOR TRANSFORMER - COOMAGEARLAHY T121 [Coomagearlahy CG3]

TO-16-CGL-T121-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC			DO	4	As a consequence of maintenance on CGL-110SA1
				4	Total Maintenance Outage Duration Requested (QA)
MISC		MISC		3	As a consequence of maintenance on CLONKEEN COOMAGEARLAHY
OS	CGL	900692182	DO	4	110kV SF6 Cubicle Ordinary Service
CM	CGL	900712496	DO	2	Replace fuseholders - RST, liaise with ESB telecoms metering.
CM	CGL	900712496	DO	2	Replace drive link bar of DTE
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun.

GENERATOR TRANSFORMER - COOMAGEARLAHY T122 [Coomagearlahy CG1/CG2]

TO-16-CGL-T122-01 ISO week: 29mo - 29fr Date: 18 Jul - 22 Jul Duration: 5 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
MISC		MISC		4	As a consequence of maintenance on COOMAGEARLAHY 110SA1
MISC		MISC		3	As a consequence of maintenance on CLONKEEN COOMAGEARLAHY
MISC		MISC		2	As a consequence of maintenance on COOMAGEARLAHY 110SA2
OS	CGL	900775477	DO	4	110kV SF6 Cubicle Ordinary Service
CA	CGL	900744432	DO	3	110KV CUBICLE CONDITION ASSESSMENT

110kV FEEDER - CORDERRY GARVAGH

TO-16-CDY-GRV-1-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested (QA)
AMCAB		900776561	DO	2	Annual Insp. 110kV Feeder XLPE Cable
FO_MISC		900650000	DO	1	2014HP-1[am 6]Bird Nests
CMCAB	CABLE		DO	1	Inspect Suspect Pfisterer Terminations
OS	CDY	900775612	DO	4	110kV SF6 Cubicle Ordinary Service
PROT	CDY		DO	1	P3 - Maintenance of the bay protection relays
PROT	GRV		DO	1	P3 - Maintenance of the bay protection relays
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Changed due to TAO Resourcing
3	Scheduled days communicated ex-ante			Yes	Changed due to TAO Resourcing
7	Scheduled works not completed			Yes	Inspect Suspect Pfisterer Terminations: Not required, 2014HP-1[am 6]Bird Nests: License for works expired, P3 - Maintenance of the bay protection relays: Resources not available

220kV FEEDER - CORDUFF HUNTSTOWN

TO-16-CDU-HN-1-01 ISO week: 33we - 34fr Date: 17 Aug - 26 Aug Duration: 10 Days (8 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				8	Total Maintenance Outage Duration Requested (QA)
AMCAB	Cable		DO	2	Annual Insp. 220 Feeder XLPE Cable
OS	CDU	900775537	DO	5	220kV SF6 Cubicle Ordinary Service
CA	CDU	900775887	DO	3	220kV Cubicle Condition Assessment
CM	CDU	900699524	DO	1	Investigate and Repair Moisture ingress on S & R Phase Surge Counter
CM	CDU	900699524	CANC	1	Investigate and Repair Moisture ingress on T Phase Surge Counter
				Change	Reasons For Change/Comment
6	Generator Outage Dates			Yes	Generator Requested Change to COP.
7	Scheduled works not completed			Yes	Annual Insp. 220 Feeder XLPE Cable: Resources not available, 220kV Cubicle Condition Assessment: Resources not available

GENERATOR TRANSFORMER - CUNGHILL T121 [Kingsmountain KGM/KG2]

TO-16-CUN-T121-01 ISO week: 24tu - 24th Date: 14 Jun - 16 Jun Duration: 3 Days (3 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
CM	CUN	900693020	DO	2	Replace desimeter (plunger not closing correctly)
OPT	CUN	900743149	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
7	Scheduled works not completed			Yes	Replace desimeter (plunger not closing correctly): Non urgent postponed to 2017

110kV FEEDER - CUSHALING MOUNTLUCAS

TO-16-CUS-MLC-1-01 ISO week: 18tu - 18we Date: 03 May - 04 May Duration: 2 Days (2 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	CUS	900774933	DO	1	110kV SF6 Cubicle Operational Test
MISC	MLC	MISC	DO	2	Annual Maintenance of Mount Lucas Sub Station
OPT	MLC	900745323	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP
3	Scheduled days communicated ex-ante			na	Changed to align with new Generator outage window
4	Designated days communicated ex-ante			na	Changed to align with new Generator outage window
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - CUSHALING T101 [Edenderry Power ED1]

TO-16-CUS-T101-01 ISO week: 26mo Date: 27 Jun Duration: 1 Day (1 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
PROT	CUS		DO	1	P3 - Maintenance of the bay protection relays
OPT	CUS	900742953	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
7	Scheduled works not completed			Yes	P3 - Maintenance of the bay protection relays: Resources not available

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

TO-16-CUS-T103/5-01 ISO week: 31sa Date: 06 Aug Duration: 1 Day (0 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	CUS	900744780	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	TAO cancellation of works
3	Scheduled days communicated ex-ante			Yes	TAO cancellation of works
4	Designated days communicated ex-ante			Yes	TAO cancellation of works
6	Generator Outage Dates			Yes	Generator Requested Change to COP

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

TO-16-DER-T1/T2-03 ISO week: 38su Date: 25 Sep Duration: 1 Day (0 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	DER	900742716	DO	1	110KV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	DSO requested change.

GENERATOR TRANSFORMER - DROMADA T121 [Dromada DR1]

TO-16-DRO-T121-04 ISO week: 13tu - 19fr Date: 29 Mar - 13 May Duration: 46 Days (33 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC	DO	3	As a consequence of maintenance on ATHEA TRIEN
				2	Total Maintenance Outage Duration Requested
MISC		MISC	DO	2	As a consequence of maintenance on ATHEA DROMADA
CM	DRO	900717866	DO	1	O2. New heater required in CB-KC.
OPT	DRO	900741968	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

110kV FEEDER - DRUMKEEN MEENTYCAT							
TO-16-DRM-MEE-1-01		ISO week: 25mo - 25we		Date: 20 Jun - 22 Jun		Duration: 3 Days (3 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
MISC			DO	2	Maintenance on MEE T121		
PROT			DO	1	Settings change and retesting of 7SA513 protection relay in Meentycat		
				1	Total Maintenance Outage Duration Requested		
OPT	DRM	900742721	DO	1	110kV SF6 Cubicle Operational Test		
				Change	Reasons For Change/Comment		
3	Scheduled days communicated ex-ante			Yes	Generator requested change		
4	Designated days communicated ex-ante			Yes	Generator requested change		
6	Generator Outage Dates			Yes	Generator requested change		

220kV FEEDER - FINGLAS HUNTSTOWN							
TO-16-FIN-HN-1-01		ISO week: 24we - 25tu		Date: 15 Jun - 21 Jun		Duration: 7 Days (5 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
				5	Total Maintenance Outage Duration Requested		
AMCAB	Cable	900776596	DO	2	Annual Insp. 400 & 220 Feeder XLPE Cable		
CM	FIN	900718911	DO	3	MO to cover Hapam DC bearings in Huntstown cubicle as epr email, P Boyd. DB bearings replaced DA not done yet		
OPT	FIN	900742191	DO	1	220kV SF6 Cubicle Operational Test		
				Change	Reasons For Change/Comment		
6	Generator Outage Dates			Yes	Generator Requested Change to COP.		
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Feeder XLPE Cable: Resources not available.		

GENERATOR TRANSFORMER - GARROW T122 [Coomacheo CZ1]							
TO-16-GRO-T122-01		ISO week: 30tu - 30th		Date: 26 Jul - 28 Jul		Duration: 3 Days (3 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
				3	Total Maintenance Outage Duration Requested (QA)		
AMCAB	GRO	900776622	DO	2	ANNUAL INSP. 110 STATION XLPE CABLE		
OPT	GRO	900774966	DO	1	110kV SF6 Cubicle Operational Test		

GENERATOR TRANSFORMER - GARVAGH T121 [Garvagh GH1/GH2]					
TO-16-GRV-T121-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)					
MISC			MISC	4	As a consequence of maintenance on CORDERRY GARVAGH
				1	Total Maintenance Outage Duration Requested
OPT	GRV		900744922	DO	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Changed due to TAO Resourcing
3	Scheduled days communicated ex-ante			Yes	Changed due to TAO Resourcing
4	Designated days communicated ex-ante			Yes	Changed due to TAO Resourcing

GENERATOR TRANSFORMER - GLANAGOW T2001 [Bord Gáis WG1]					
TO-16-GGO-T2001-01 ISO week: 22we - 22fr Date: 01 Jun - 03 Jun Duration: 3 Days (3 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
AMCAB	GGO		DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
PROT	GGO		DO	1	P3 - Maintenance of the bay protection relays
OPT	GGO	900744714	DO	1	220kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
6	Generator Outage Dates			Yes	Generator requested change to COP.

GENERATOR TRANSFORMER - GLANLEE T121 [Glanlee GL1]

TO-16-GAE-T121-01 ISO week: 29mo - 29th Date: 18 Jul - 21 Jul Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		4	As a consequence of maintenance on COOMAGEARLAHY 110SA2
MISC		MISC		4	As a consequence of maintenance on COOMAGEARLAHY 110SA1
MISC		MISC		3	As a consequence of maintenance on COOMAGEARLAHY GLANLEE
MISC		MISC		3	As a consequence of maintenance on CLONKEEN COOMAGEARLAHY
				2	Total Maintenance Outage Duration Requested
CM		900717063	DO	1	O2. Replace flexible earth strap at DL and DT operating handle on T121-
CM		900719307	DO	1	O2. Remove birds nest from disconnect
OPT	GAE	900666525	DO	1	110kV SF6 Cubicle Operational Test

GENERATOR TRANSFORMER - GREAT ISLAND T2004 [SSE Generation Ireland GI4]

TO-16-GI GIS-T2004-01 ISO week: 40mo - 42sa Date: 03 Oct - 22 Oct Duration: 20 Days (15 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				20	Total Maintenance Outage Duration Requested	
OPT	GI	220	DO	30	Replace CB poles	
CM	GI	220	DO	20	Replace CB poles	
OPT	GI	220	900670893	DO	1	220kV GIS Cubicle Operational Test
				Change	Reasons For Change/Comment	
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP	
2	Initial duration communicated ex-ante			Yes	Works completed early	
6	Generator Outage Dates			Yes	Generator requested change to COP	

GENERATOR TRANSFORMER - HUNTSTOWN T2002 [Viridian Power HN2]

TO-16-HN-T2002-01 ISO week: 33we - 34fr Date: 17 Aug - 26 Aug Duration: 10 Days (8 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				8	Total Maintenance Outage Duration Requested (QA)
MISC		MISC		8	As a consequence of maintenance on CORDUFF HUNTSTOWN
OS	HN	900744231	DO	5	220kV SF6 Cubicle Ordinary Service
CA	HN	900775961	DO	3	110kV Cubicle Condition Assessment
AMCAB	HN		DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
				Change	Reasons For Change/Comment
6	Generator Outage Dates			Yes	Generator requested change to COP
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Statn. XLPE Cable: Resources not available.

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

TO-16-HN-T2010/11-01 ISO week: 24we - 25tu Date: 15 Jun - 21 Jun Duration: 7 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		5	As a consequence of maintenance on FINGLAS HUNTSTOWN
				3	Total Maintenance Outage Duration Requested
AMCAB	HN	900776625	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
OPT	HN	900742349	DO	1	220kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
6	Generator Outage Dates			Yes	Generator requested change to COP
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Statn. XLPE Cable: Resources not available.

110kV FEEDER - IKERRIN tee IKERRIN							
TO-16-IKE,T-IKE-1-01		ISO week: 27fr		Date: 08 Jul		Duration: 1 Day (1 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
				2	Total Maintenance Outage Duration Requested		
			DO	1	To break jumpers on THU side of IKE,T to facilitate maintenance on IKE,T-THU.		
FOINSHW		900727299	DO	1	2015HP-1[415-gantry]Insul&H-ware check		
				Change	Reasons For Change/Comment		
3	Scheduled days communicated ex-ante			Yes	DSO requested change		
4	Designated days communicated ex-ante			Yes	DSO requested change		
TO-16-IKE,T-IKE-1-04		ISO week: 29sa		Date: 23 Jul		Duration: 1 Day (0 WD)	
			DO	1	IKE-SH-THU outage to remake jumpers on THU side of IKE,T		
				Change	Reasons For Change/Comment		
3	Scheduled days communicated ex-ante			Yes	DSO requested change		
4	Designated days communicated ex-ante			Yes	DSO requested change		

GENERATOR TRANSFORMER - INNISCARRA T101 [ESB GWM LE1/LE2]							
TO-16-IA-T101-02		ISO week: 14mo - 32sa		Date: 04 Apr - 13 Aug		Duration: 132 Days (92 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
MISC		MISC	DO	68	To facilitate 10kV switchgear replacement		
				1	Total Maintenance Outage Duration Requested		
MISC		MISC	DO	1	To facilitate EI using T101 110 kV CB following MV switchgear replacement		
OPT	IA	900743083	DO	1	110KV SF6 Cubicle Operational Test		
				Change	Reasons For Change/Comment		
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap		
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap		
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap		
6	Generator Outage Dates			Yes	Generator requested change to COP		

GENERATOR TRANSFORMER - IRISHTOWN T2001 [ESB GWM DB1]

TO-16-ISH-T2001-01 ISO week: 38mo - 39mo Date: 19 Sep - 26 Sep Duration: 8 Days (6 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				6	Total Maintenance Outage Duration Requested
OS	ISH	900742184	DO	4	110kV GIS Cubicle Ordinary Service
AMCAB	ISH	Cable	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
				Change	Reasons For Change/Comment
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Statn. XLPE Cable: Resources not available.

GENERATOR TRANSFORMER - KILL HILL T131 [Kill Hill KH1]

TO-16-KHL-T131-01 ISO week: 10mo Date: 07 Mar Duration: 1 Day (1 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
	KHL			1	Total Maintenance Outage Duration Requested
OPT	KHL	110	900745406	DO	110kV SF6 Cubicle Operational Test

GENERATOR TRANSFORMER - LANESBORO T104 [ESB GWM LR4]					
TO-16-LA-T104-01 ISO week: 20mo - 20th Date: 16 May - 19 May Duration: 4 Days (4 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested
CM	LA	900709455	DO	4	ESBI O1 outage required Low Gas / Leak Repair SF6 Leak Present on CB
AMCAB	LA		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
AMCAB	LA		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	LA	900742633	DO	1	110KV SF6 Cubicle Operational Test
CM	LA	900759623	DO	1	Investigate and repair hotspot on DA
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun
6	Generator Outage Dates			Yes	Generator Requested Change to COP.

GENERATOR TRANSFORMER - LISHEEN T122 [Lisheen LS1/LS2]					
TO-16-LSN-T122-01 ISO week: 28mo - 30mo Date: 11 Jul - 25 Jul Duration: 15 Days (11 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		10	As a consequence of maintenance on LISHEEN THURLES
				1	Total Maintenance Outage Duration Requested
OPT	LSN	900669240	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	DSO requested change
3	Scheduled days communicated ex-ante			Yes	DSO requested change
4	Designated days communicated ex-ante			Yes	DSO requested change

110kV FEEDER - LISHEEN THURLES

TO-16-LSN-THU-1-01 ISO week: 28mo - 30mo Date: 11 Jul - 25 Jul Duration: 15 Days (11 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				14	Total Maintenance Outage Duration Requested
FO_MISC		900650800	DO	1	2014HP-1[50]Earths - Replace E-strap RHP
FO_MISC		900727359	DO	1	2015HP-1[4]Earths-Replace broken strap
OPT	LSN	900745287	DO	1	110kV SF6 Cubicle Operational Test
CM	THU		DO	10	Dry out CB poles and replace support insulator as per 2014 CA
OPT	THU	900662909	DO	1	110kV MO Cubicle Operational Test

			Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		Yes	DSO requested change
3	Scheduled days communicated ex-ante		Yes	DSO requested change
4	Designated days communicated ex-ante		Yes	DSO requested change

GENERATOR TRANSFORMER - MARINA T107 [ESB GWM MR7]

TO-16-MR-T107-01 ISO week: 33tu - 33th Date: 16 Aug - 18 Aug Duration: 3 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
AMCAB	MR	900776630	DO	2	Annual Insp. 110 Feeder OF Cable
AMCAB	MR	900776630	DO	2	Annual Insp. 110kV Feeder XLPE Cable
OPT	MR	900774913	DO	1	110KV GIS Cubicle Operational Test

			Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		Yes	Generator requested change to COP
3	Scheduled days communicated ex-ante		Yes	Generator requested change to COP
4	Designated days communicated ex-ante		Yes	Generator requested change to COP
6	Generator Outage Dates		Yes	Generator requested change to COP

GENERATOR TRANSFORMER - MEENTYCAT T121 [Meentycat MCT]					
TO-16-MEE-T121-01		ISO week: 25mo - 25we		Date: 20 Jun - 22 Jun	
Duration: 3 Days (3 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				2	Total Maintenance Outage Duration Requested
MISC		MISC		1	As a consequence of maintenance on DRUMKEEN MEENTYCAT
CM	MEE	900713669	DO	2	Siemens 3AP1 circuit breaker modification to prevent spring charging lockout required
OPT	MEE	900742734	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			Yes	Generator requested change to COP
4	Designated days communicated ex-ante			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - MONEYPOINT T4001 [ESB GWM MP1]					
TO-16-MP-T4001-01		ISO week: 34mo - 34fr		Date: 22 Aug - 26 Aug	
Duration: 5 Days (5 WD)					
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
AMCAB	MP		DO	2	Annual Insp. 400 & 220 Station OF Cable
CM	MP		DO	2	Carry out gas leak assessment and repair where necessary
OPT	MP	900742120	DO	1	400kV GIS Cubicle Operational Test

GENERATOR TRANSFORMER - MONEYPOINT T4002 [ESB GWM MP2]

TO-16-MP-T4002-01 ISO week: **34mo - 34fr** Date: **22 Aug - 26 Aug** Duration: **5 Days (5 WD)**

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
AMCAB	MP		DO	2	Annual Insp. 400 & 220 Station OF Cable
CM	MP		CLO	2	Carry out gas leak assessment and repair where necessary
OPT	MP	900742121	DO	1	400kV GIS Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP
3	Scheduled days communicated ex-ante			Yes	Generator requested change to COP
4	Designated days communicated ex-ante			Yes	Generator requested change to COP
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - MONEYPOINT T4003 [ESB GWM MP3]

TO-16-MP-T4003-01 ISO week: **21mo - 21fr** Date: **23 May - 27 May** Duration: **5 Days (5 WD)**

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				5	Total Maintenance Outage Duration Requested
AMCAB	MP		DO	2	Annual Insp. 400 & 220 Station OF Cable
FM	MP		DO	2	HV Pressure Vessel Inspection
CM	MP		DO	2	Carry out gas leak assessment and repair where necessary
OPT	MP	900742124	DO	1	400kV GIS Cubicle Operational Test
				Change	Reasons For Change/Comment
3	Scheduled days communicated ex-ante			Yes	Generator requested change to COP
4	Designated days communicated ex-ante			Yes	Generator requested change to COP
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - MOUNTLUCAS T121 [Mountlucas MO1]

TO-16-MLC-T121-01 ISO week: 18tu - 18we Date: 03 May - 04 May Duration: 2 Days (2 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				1	Total Maintenance Outage Duration Requested	
MISC	MLC	MISC	DO	2	Annual Maintenance of Mount Lucas Sub Station	
OPT	MLC	110	900745325	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment	
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP	
3	Scheduled days communicated ex-ante			na	Changed to align with new Generator outage window	
4	Designated days communicated ex-ante			na	Changed to align with new Generator outage window	
6	Generator Outage Dates			Yes	Generator requested change to COP	

110kV FEEDER - MOY TAWNAGHMORE 1

TO-16-MOY-TAW-1-03 Status: UnScheduled

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	MOY	900774880	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Works unscheduled
2	Initial duration communicated ex-ante			na	Works unscheduled
3	Scheduled days communicated ex-ante			na	Works unscheduled
4	Designated days communicated ex-ante			na	Works unscheduled
5	Works description communicated ex-ante			na	Works unscheduled
6	Generator Outage Dates			Yes	Changed to align with capital works
7	Scheduled works not completed			Yes	110kV SF6 Cubicle Operational Test: Not required

110kV FEEDER - MOY TAWNAGHMORE 2					
TO-16-MOY-TAW-2-04				Status: UnScheduled	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
FO_MISC		900731578	DO	2	2015HP-2[13,16]Vib Dampers Replace
OPT	MOY	900662176	DO	1	110kV Air Blast Cubicle Operational Test
CM	TAW	900489486	DO	2	Repair DL
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Works unscheduled
2	Initial duration communicated ex-ante			na	Works unscheduled
3	Scheduled days communicated ex-ante			na	Works unscheduled
4	Designated days communicated ex-ante			na	Works unscheduled
5	Works description communicated ex-ante			na	Works unscheduled
6	Generator Outage Dates			Yes	Changed to align with capital works
7	Scheduled works not completed			Yes	110kV Air Blast Cubicle Operational Test: Overlooked, Repair DL: Not Required

GENERATOR TRANSFORMER - NORTH WALL T2004/5 [ESB GWM NW5]							
TO-16-NW-T2004/5-01		ISO week: 20mo - 20fr		Date: 16 May - 20 May		Duration: 5 Days (5 WD)	
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS		
				5	Total Maintenance Outage Duration Requested		
OS	NW	900742151	DO	4	110kV GIS Cubicle Ordinary Service		
AMCAB	NW		DO	2	Annual Insp. 400 & 220 Station OF Cable		
OS	NW	220-DA 900742151	DO	2	110kV Sect / Dist Ordinary Service		
				Change	Reasons For Change/Comment		
6	Generator Outage Dates			Yes	Generator Requested Change to COP.		
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Station OF Cable: Resources not available		

GENERATOR TRANSFORMER - POLLAPHUCA T101 [ESB GWM LI1/LI2/LI4]						
TO-16-PA-T101-03 ISO week: 45mo - 45su Date: 07 Nov - 13 Nov Duration: 7 Days (5 WD)						
MISC			MISC	DO	7	As a consequence of maintenance on STRATFORD tee POLLAPHUCA
					Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Corrective maintenance task added in season.	
2	Initial duration communicated ex-ante			na	Corrective maintenance task added in season.	
3	Scheduled days communicated ex-ante			na	Corrective maintenance task added in season.	
4	Designated days communicated ex-ante			na	Corrective maintenance task added in season.	
5	Works description communicated ex-ante			Yes	Corrective maintenance task added in season.	
6	Generator Outage Dates			na	Corrective maintenance task added in season.	
7	Scheduled works not completed			na	Corrective maintenance task added in season.	
TO-16-PA-T101-02 ISO week: 33we - 34fr Date: 17 Aug - 26 Aug Duration: 10 Days (8 WD)						
MISC			MISC		8	As a consequence of maintenance on STRATFORD tee POLLAPHUCA
MISC			MISC		8	As a consequence of maintenance on STRATFORD tee CARLOW
					1	Total Maintenance Outage Duration Requested
OPT	PA		900743520	DO	1	110kV MO Cubicle Operational Test
					Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Works unscheduled.	
2	Initial duration communicated ex-ante			na	Works unscheduled.	
4	Designated days communicated ex-ante			Yes	Custom change	
6	Generator Outage Dates			Yes	Generator requested change to COP	

GENERATOR TRANSFORMER - RATRUSSAN T121 [Bindoo BD1]						
TO-16-RRU-T121-01 ISO week: 20mo - 20fr Date: 16 May - 20 May Duration: 5 Days (5 WD)						
					5	Total Maintenance Outage Duration Requested
OS	RRU		900775855	DO	4	110kV SF6 Cubicle Ordinary Service
CA	RRU		900775889	DO	3	110KV CUBICLE CONDITION ASSESSMENT
					Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Forced overrun	

GENERATOR TRANSFORMER - RATRUSSAN T122 [Mountain Lodge ML1]

TO-16-RRU-T122-01 ISO week: 12we - 12th Date: 23 Mar - 24 Mar Duration: 2 Days (2 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
OPT	RRU	900744679	DO	1	110kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap

GENERATOR TRANSFORMER - SEALROCK T103 [Aughinish Alumina SK3]

TO-16-SK-T103-01 ISO week: 37mo - 37th Date: 12 Sep - 15 Sep Duration: 4 Days (4 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		4	As a consequence of maintenance on AUGHINISH SEALROCK 3
				3	Total Maintenance Outage Duration Requested
AMCAB	SK	110	DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	SK	900742738	DO	1	110KV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP
3	Scheduled days communicated ex-ante			Yes	Generator requested change to COP
4	Designated days communicated ex-ante			Yes	Generator requested change to COP
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - SEALROCK T104 [Aughinish Alumina SK4]

TO-16-SK-T104-01 ISO week: 27mo - 30we Date: 04 Jul - 27 Jul Duration: 24 Days (18 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
MISC		MISC		15	As a consequence of maintenance on AUGHINISH SEALROCK 4
				3	Total Maintenance Outage Duration Requested
AMCAB	SK	110	DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	SK	900742741	DO	1	110KV SF6 Cubicle Operational Test
CM	SK	900766960	DO	1	Repair hotspots on DL
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Extended due to TAO resourcing
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - SHANNONBRIDGE T104 [ESB GWM WO4]

TO-16-SH-T104-01 ISO week: 15fr - 16tu Date: 15 Apr - 19 Apr Duration: 5 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
AMCAB	SH		DO	2	ANNUAL INSP. 110 STATION XLPE CABLE
OPT	SH	900742903	DO	1	110KV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Extended due to TAO resourcing
6	Generator Outage Dates			Yes	Generator requested change to COP

GENERATOR TRANSFORMER - SHELLYBANKS T2014 [ESB GWM PB4]

TO-16-SHL-T2014-01 ISO week: 47we - 47sa Date: 23 Nov - 26 Nov Duration: 4 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				4	Total Maintenance Outage Duration Requested	
CM	SHL	900638924	DO	2	Repair Diameter 1 Disconnects	
AMCAB	SHL	cable	900735090	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
OS	SHL	220-DT	900742182	DO	2	110kV Sect / Dist Ordinary Service
PROT	SHL			1	P3 - Maintenance of the bay protection relays	
				Change	Reasons For Change/Comment	
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP	
3	Scheduled days communicated ex-ante			Yes	TSO cancellation/postponement of works	
4	Designated days communicated ex-ante			Yes	TSO cancellation/postponement of works	
6	Generator Outage Dates			Yes	Generator requested change to COP	
7	Scheduled works not completed			Yes	Repair Diameter 1 Disconnects: Could not be electrically isolated during outage, P3 - Maintenance of the bay protection relays: Resources not available	
Note delayed start to works, due to system conditions.						

GENERATOR TRANSFORMER - SHELLYBANKS T2015 [ESB GWM PB5]

TO-16-SHL-T2015-01 ISO week: 23we - 25mo Date: 08 Jun - 20 Jun Duration: 13 Days (9 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				4	Total Maintenance Outage Duration Requested	
OS	SHL	220-DT	900742173	DO	2	110kV Sect / Dist Ordinary Service
AMCAB	SHL		900776639	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
				Change	Reasons For Change/Comment	
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Statn. XLPE Cable: Resources not available	

GENERATOR TRANSFORMER - SHELLYBANKS T2016 [ESB GWM PB6]

TO-16-SHL-T2016-01 ISO week: 23we - 25mo Date: 08 Jun - 20 Jun Duration: 13 Days (9 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				4	Total Maintenance Outage Duration Requested
OS	SHL	220-DT 900667323	DO	2	110kV Sect / Dist Ordinary Service
AMCAB	SHL	cable 900776640	DO	2	Annual Insp. 400 & 220 Statn. XLPE Cable
PROT	SHL		DO	1	P1 - Maintenance of the bay protection relays
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap
6	Generator Outage Dates			Yes	Generator requested change to COP
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Statn. XLPE Cable: Resources not available

110kV FEEDER - STRATFORD tee CARLOW

TO-16-STR,T-CLW-1-02 ISO week: 33we - 34fr Date: 17 Aug - 26 Aug Duration: 10 Days (8 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				8	Total Maintenance Outage Duration Requested (QA)
FOSTRHW		900725298	DO	1	2015CP-1[80]Replace Pole only LHP
FOSTRHW		900725299	DO	1	2015CP-1[92]Replace Pole only Rotten
FOSTRHW		900725300	DO	1	2015CP-1[97]Replace Pole only RHP
FOSTRHW		900725301	DO	1	2015CP-1[99]Replace Pole only Rotten
OPT	CLW	900774855	DO	1	110kV SF6 Cubicle Operational Test

				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Works unscheduled.
4	Designated days communicated ex-ante			Yes	Custom change
6	Generator Outage Dates			Yes	Generator requested change to COP,

TO-16-STR,T-CLW-1-03 ISO week: 45mo - 45su Date: 07 Nov - 13 Nov Duration: 7 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
CP6_HV			DO	7	[LINE]HV CLIMBING PATROL
FOSTRHW		900724852	CANC	3	2015SAG-2[78,189]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[188]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[151]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[150]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[147]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[104]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[96]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[79]Replace Pole only

				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			na	Corrective maintenance task added in season.
2	Initial duration communicated ex-ante			na	Corrective maintenance task added in season.
3	Scheduled days communicated ex-ante			na	Corrective maintenance task added in season.
4	Designated days communicated ex-ante			na	Corrective maintenance task added in season.
5	Works description communicated ex-ante			Yes	Corrective maintenance task added in season.
6	Generator Outage Dates			na	Corrective maintenance task added in season.
7	Scheduled works not completed			na	Corrective maintenance task added in season.

110kV FEEDER - STRATFORD tee POLLAPHUCA

TO-16-STR,T-PA-1-02 ISO week: 33we - 34fr Date: 17 Aug - 26 Aug Duration: 10 Days (8 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				8	Total Maintenance Outage Duration Requested (QA)
MISC		MISC		8	As a consequence of maintenance on STRATFORD tee CARLOW
FOSTRHW		900725476	DO	2	2015CP-1[5]Replace Pole only RHP
FOSTRHW		900725480	DO	2	2015CP-1[57]Replace Pole only
FOSTRHW		900725481	DO	2	2015CP-1[58]Replace Pole only
FOSTRHW		900725482	DO	2	2015CP-1[68]Replace Pole only RHP
FOSTRHW		900725475	DO	1	2015CP-1[2]Replace Pole only RHP
FOSTRHW		900725478	DO	1	2015CP-1[17]Replace Pole only LHP
PROT	PA		DO	1	P1 - Maintenance of the bay protection relays
OPT	PA	900743451	DO	1	110kV MO Cubicle Operational Test

			Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		na	Works unscheduled.
4	Designated days communicated ex-ante		Yes	Custom change
6	Generator Outage Dates		Yes	Generator requested change to COP

TO-16-STR,T-CLW-1-03 ISO week: 45mo - 45su Date: 07 Nov - 13 Nov Duration: 7 Days (5 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
CP6_HV			DO	7	[LINE]HV CLIMBING PATROL
FOSTRHW		900724852	CANC	3	2015SAG-2[78,189]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[188]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[151]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[150]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[147]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[104]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[96]Replace Pole only
FOSTRHW			DO	2	2015SAG-2[79]Replace Pole only

			Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante		na	Corrective maintenance task added in season.
2	Initial duration communicated ex-ante		na	Corrective maintenance task added in season.
3	Scheduled days communicated ex-ante		na	Corrective maintenance task added in season.
4	Designated days communicated ex-ante		na	Corrective maintenance task added in season.
5	Works description communicated ex-ante		Yes	Corrective maintenance task added in season.
6	Generator Outage Dates		na	Corrective maintenance task added in season.
7	Scheduled works not completed		na	Corrective maintenance task added in season.

GENERATOR TRANSFORMER - TARBERT T101 [SSE Generation Ireland TB1]

TO-16-TB-T101-01 ISO week: 29we - 29fr Date: 20 Jul - 22 Jul Duration: 3 Days (3 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
AMCAB	TB		DO	2	Annual Insp. 110kV Station OF Cable
CM	TB	900624411	DO	1	Investigate tracking
OPT	TB	900742912	DO	1	110KV SF6 Cubicle Operational Test

GENERATOR TRANSFORMER - TARBERT T102 [SSE Generation Ireland TB2]

TO-16-TB-T102-01 ISO week: 30tu - 30th Date: 26 Jul - 28 Jul Duration: 3 Days (3 WD)

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	900742914	DO	1	110KV SF6 Cubicle Operational Test

GENERATOR TRANSFORMER - TARBERT T2003 [SSE Generation Ireland TB3]

TO-16-TB-T2003-02 ISO week: 30mo - 30tu Date: 25 Jul - 26 Jul Duration: 2 Days (2 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				1	Total Maintenance Outage Duration Requested
PROT	TB		DO	1	P3 - Maintenance of the bay protection relays
OPT	TB	900774926	DO	1	220kV MO Cubicle Operational Test
				Change	Reasons For Change/Comment
2	Initial duration communicated ex-ante			Yes	Changed to align with capital works
7	Scheduled works not completed			Yes	P3 - Maintenance of the bay protection relays: Resources not available

GENERATOR TRANSFORMER - TARBERT T2004 [SSE Generation Ireland TB4]						
TO-16-TB-T2004-01 ISO week: 21tu - 21we Date: 24 May - 25 May Duration: 2 Days (2 WD)						
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				2	Total Maintenance Outage Duration Requested	
PROT	TB		DO	1	P3 - Maintenance of the bay protection relays	
CM	TB	220	900251239	CANC	1	O 2. CB mimic control switch broken in
CM	TB	220	900627698	DO	1	Investigate DB1 Position Indication
OPT	TB		900774925	DO	1	110kV MO Cubicle Operational Test
				Change	Reasons For Change/Comment	
6	Generator Outage Dates			Yes	Generator Requested Change to COP	

GENERATOR TRANSFORMER - TURLOUGH HILL T2001/2 [ESB GWM TH1/TH2]						
TO-16-TH-T2001/2-01 ISO week: 23su - 25fr Date: 12 Jun - 24 Jun Duration: 13 Days (10 WD)						
WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS	
				5	Total Maintenance Outage Duration Requested	
PROT	TH		DO	1	P3 - Maintenance of the bay protection relays	
CM	TH~		CANC	15	CB Overhaul	
CM	TH~		DO	2	Retest Condition Assesment Results	
CM	TH~		DO	2	Retest Condition Assesment Results	
AMCAB	TH~	900776643	DO	2	Annual Insp. 400 & 220 Station OF Cable	
CM	TH~	900690035	DO	1	O/1 T2001 R PHASE BREAKER DAMAGED EARTH	
OPT	TH~	900743255	DO	1	220kV MO Cubicle Operational Test	
				Change	Reasons For Change/Comment	
1	Indicative window communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
2	Initial duration communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
3	Scheduled days communicated ex-ante			na	Oversized window due to Maintenance/Capital/Generator overlap	
6	Generator Outage Dates			Yes	Generator requested change to COP	
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Station OF Cable: Resources not available	

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

TO-16-TH-T2003/4-01 ISO week: 25su - 27fr Date: 26 Jun - 08 Jul Duration: 13 Days (10 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				13	Total Maintenance Outage Duration Requested (QA)
OS	TH~	900775388	DO	10	220kV MO Cubicle Ordinary Service
CA	TH~	900775962	DO	3	220kV Cubicle Condition Assessment
AMCAB	TH~	900776644	DO	2	Annual Insp. 400 & 220 Station OF Cable
				Change	Reasons For Change/Comment
6	Generator Outage Dates			Yes	Generator requested change to COP
7	Scheduled works not completed			Yes	Annual Insp. 400 & 220 Station OF Cable: Resources not available

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

TO-16-TY-T2001/2-01 ISO week: 24su - 25tu Date: 19 Jun - 21 Jun Duration: 3 Days (2 WD)

WORK	LOCATION	WORK ID	STATUS	DAYS	DESCRIPTION/COMMENTS
				3	Total Maintenance Outage Duration Requested
CM	TY	900693024	DO	1	Fit gas fittings they are damaged
OPT	TY	900742391	DO	1	220kV SF6 Cubicle Operational Test
				Change	Reasons For Change/Comment
1	Indicative window communicated ex-ante			Yes	Generator requested change to COP
3	Scheduled days communicated ex-ante			Yes	Generator requested change to COP
4	Designated days communicated ex-ante			Yes	Generator requested change to COP
6	Generator Outage Dates			Yes	Generator requested change to COP