



Joint TSO/TAO Grid25 CAPEX Monitoring Report
Explanatory Notes and Transmission Projects Chart Q2 2011

Report for the period Q2 2011
1st April 2011 – 30th June 2011

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Introduction

This document and the attached transmission projects chart represent one aspect of the wider Capex Monitoring process in PR3. In addition to the report, which can only provide limited context, the submissions will be complemented by meetings with the CER at which greater context and information can be provided on project progress. The period covered by this report is 1st April 2011 – 30th June 2011 inclusive.

The explanatory notes refer to the Joint TSO/TAO Grid25 CAPEX Monitoring Report (“joint report”) which is a quarterly report that is prepared by EirGrid (TSO) and ESNB (TAO) for the CER. The joint report is in the format as agreed at the meeting with the CER on 22nd February 2011. The report presents a project timeline, where relevant, for all capital projects with a total forecast expenditure of greater than €10 million. Each section below provides an outline of the main themes contained in the joint report.

1. Project schedule RAG (Red, Amber, Green) status information
2. Project stage information
3. Project milestones

1. Project Schedule RAG Status Information




1.1 The project name is defined by the TSO and/or TAO at the outset of a capital project (CP) and is used by both organisations in the management of the project within the transmission capital works programme. New projects are accorded a CP number by the TSO at the request of the TSO project manager (PM) prior to reaching the TSO capital approval/decision point (CA/D).

1.2 Descriptor:

- Pre-IP (Indicative Programme) – Schemes or projects that have not yet reached Capital Approval /Decision point (CA/D) will not have an IP, however, certain high level target dates may be expected. These dates, such as target energisation dates, are based on studies that have been carried out by EirGrid's transmission planners during the pre-stage 1 project phase. The schedule as outlined for these schemes/projects may not include all milestones as the project schedule has not yet been baselined.
- A scheme is an expected transmission network solution that may contain one or more individual projects, which are in the process of being defined, as they progress through the TSO's project roadmap. As further information is known about these individual projects they will be given their own schedule and project timeline.
- Indicative Programme (IP) - The IP is a high level project schedule and programme which is formalised and issued by the TSO PM to the TAO after the TSO CA has been achieved, at the beginning of stage 1. The IP incorporates standard project timelines, the Infrastructure Agreement (IA) timelines and a target energisation date. These milestones are included within the joint report as the project baseline against which future progress will be measured (top line schedule).
- Project Agreement – The Project Agreement (PA) is an agreement between the TSO and TAO to progress the permitted, scoped and designed capital project to construction at stage 2. In advance of PA TAO complete a preliminary design and costing and submit to TSO in the Project Implementation Plan (PIP) document. After TSO has reviewed and accepted the PIP both parties proceed to agree the PA which includes more detailed design and costing information. It is at this point that TAO may re-adjust the project schedule to reflect the latest information with regard to the target construction and energisation milestones.
- Actual/Forecast – This is a representation of the actual project schedule as measured against either the IP baseline, or the PA revised baseline, depending on the actual phase of the project. The red line is included to show the current date. Any milestones to the left of the red line are in the past and have actually occurred, while milestones to the right are forecast.

1.3 Schedule RAG

The schedule RAG will be depicted using the following rule-set and icons:

Schedule RAG Status Rules	
When milestone </= target date	
When milestone > target and </= target + 6 months/2xQ	
When milestone > target + 6 months/2xQ	

1.3 Schedule RAG rule-set

2. Project Stage Information

2.1 The TSO and TAO use the terminology relating to the various stages of the project lifecycle as outlined below. This is reflected in the joint report using the corresponding colours as illustrated.

Key - Stages	
	Pre-stage 1 or Pre-IP
	Stage 1
	Stage 2

2.1 Project stages

Transmission projects are divided into 3 stages as shown in figure 3.1. Pre-stage 1 activities include project identification and feasibility studies to the capital approval stage. Stage 1 activities include project consenting from capital approval to project agreement and stage 2 includes projects from project agreement to completion.


3. Project Milestones


3.1 The following key milestones are those which it is proposed to report on within the joint report. Each milestone will be shown as occurring within a specific quarter. Where two or more milestones occur within the same quarter the latter milestone will be shown and a comment will be included in order to document the occurrence of any previous milestones.

Key - Milestones	
	EirGrid CA
	Planning Application lodged
	CPP issued
	PIP issued
	Project Agreement
	Energisation

3.1 Project Milestones

3.2 Recording of milestones achieved/not achieved.

Where a programme milestone has been achieved as per the baseline schedule the following symbol  will be used to record the occurrence.

Where a programme milestone has not been achieved as per the baseline schedule the following symbol  will be used to record to missed milestone. In this case the actual/forecast schedule line will record the predicted/occurrence of that milestone.

GRID25 Programme - CAPEX Monitoring Report - EirGrid and ESBN 2011 - Q2 2011

Schedule RAG	Project Name	Schedule descriptor	Financial RAG	% +/- ESBN CA/PA	2009				2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
✓	South East Reinforcement Scheme (Cork - Dublin 400kV) <i>2/3 projects tbc</i>	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	Renewable Intergration Development Project (RIDP) <i>Projects tbc</i>	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	CP0721-Grid West 400kV project	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	CP0726-Moneypoint - North Kerry 400kV Project	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	South West Scheme - Millstreet - Knockraha Reinforcement	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	Dublin Area Plan Scheme 1 - Maynooth-Woodland-400kV Scheme	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	Dublin Area Plan Scheme 2 - Hunstown-Woodland 400kV Scheme	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	Dublin Area Plan Scheme 3 - Maynooth - Dunstown - Carrickmines 400kV Scheme	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	Dublin Area Plan Scheme 4 - Huntstown - Shellbanks - Carrickmines Scheme	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	CP0054-Ardnacrusha 110 kV Station - Refurbishment	Pre-IP* Project Agreement Actual/Forecast	✓	-																																																
✓	CP0469 + CP0466 - North-South 400kV Interconnector	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0585-Laois-Kilkenny 400kV Station & New Lines	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0688-Moneypoint Redevelopment	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0437-Dublin North Fringe 220kV Reinforcement	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0211-Srananaqh 220kV Project - New 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✗	CP0646-Finglas 110kV Station Redevelopment	Indicative Programme Project Agreement Actual/Forecast	✗	45%																																																
✓	CP0647-Kilpaddocke 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0399-Kilpaddocke-Moneypoint 220kV Cable	Pre-vesting Project Agreement Actual/Forecast	✓	-																																																
✓	CP0500-North Kerry 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0651-East Kerry NW Cork 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0421-Binbane-Letterkenny 110kV Line - New Line	Pre-vesting Project Agreement Actual/Forecast	✓	-																																																
✓	CP0650-Millstreet 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0506-Finnstown 220kV Station	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0246-Tarbert-Tralee No.2 110kV Line - New line	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0623-Great Island 220kV Station Upgrade	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0587-Glanagow-Raffeen 220kV Cable Project	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0664-Cullenaqh-Knockraha Line Refurbishment/Uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																
✓	CP0659-Arva-Navan 110kV Line Uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-																																																

Schedule RAG	Project Name	Schedule descriptor	Financial RAG	% +/- ESNB CA/PA	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
✓	CP0596-Mullingar Kinnead 110kV line - New Line	Indicative Programme Project Agreement Actual/Forecast	✓	-													
✗	CP0374-Arva-Shankill No. 2 110kV Line - New Line	Pre-vesting Project Agreement Actual/Forecast	✓	-	x x												
✗	CP0501-Clashavoon-Dunmanway 110kV Line - New Line	Indicative Programme Project Agreement Actual/Forecast	✓	-													
✓	CP0197-Cushaling-Thornberry 110kV Line - New Line	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0656-Arklow- Crane - 110kV Line Uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-													
✓	CP0660-Cashla Ennis - 110kV Line Uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-													
✓	CP0228-Marina 110kV Station - Station Replacement	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0292-Gorman-Meath Hill 110kV Line - New Line	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0254-Dalton-Galway 110kV Line - Loop into Cashla 220kV Station	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0588-Kilbarry-Mallow 110kV Line Uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-													
					2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
					Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4
Key - Milestones																	
Blue	EirGrid CA																
Purple	Planning Application lodged																
Yellow	CPP issued																
Cyan	PIP issued																
Green	Project Agreement																
Red	Energisation																
Key - Stages																	
Light Blue	Pre-stage 1 or Pre-IP																
Blue	Stage 1																
Green	Stage 2																
Schedule - RAG Status Rules																	
✓	When milestone <= target date																
🟡	When milestone > target and <= target + 6 months/2xQ																
✗	When milestone > target + 6 months/2xQ																
Completed Projects																	
Schedule RAG	Project Name	Descriptor	Financial RAG	% +/- ESNB CA/PA	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
					Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	
✓	CP0241-Lodgewood 220kV station - New station	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0201-Athy 110kV station - New station	Pre-vesting Project Agreement Actual/Forecast	✓	-													
✗	CP0175-Charleville-Killonan 110kV line uprate	Indicative Programme Project Agreement Actual/Forecast	✓	-													