

# Building Customer Connections

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# Contents

- Contestability (*Edel Campbell*)
- Standard Charges and Lead-times (*Edel Campbell*)
- Transmission Capital Programme Overview (*Brendan Kearney*)
- Infrastructure Agreement (*Brendan Kearney*)



# Contestability

- What is contestability?
- Customer's choice
- Construction boundary
- Ownership boundary



# EirGrid Transmission Standards

- All transmission assets (shallow & deep)
- One set of EirGrid Transmission Standards
- Customer's responsibility
- EirGrid's rights of inspection



# Benefits for Customer

- The potential benefits:

- Ø Control
- Ø Certainty
- Ø Commercial options
- Ø Expertise gained

- The consequences:

- Ø Design responsibility
- Ø Review process
- Ø Construction responsibility
- Ø Site liabilities



# Responsibilities - Contested Connection

- For Customer:

- Ø Planning permission
- Ø Detailed design
- Ø Equipment procurement
- Ø Construction

- For EirGrid:

- Ø Functional specifications
- Ø Review process
- Ø QA inspections
- Ø Commissioning



# Booltiagh 110 kV Station



# Design Specifications

- Contested Project:
  - Ø Functional Specifications to Customer
  - Ø Committed Project Parameters to ESB Networks
- Non-Contested Project:
  - Ø Interface Document to Customer
  - Ø Committed Project Parameters to ESB Networks



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- Contestability
- **Standard Charges and Lead-times**
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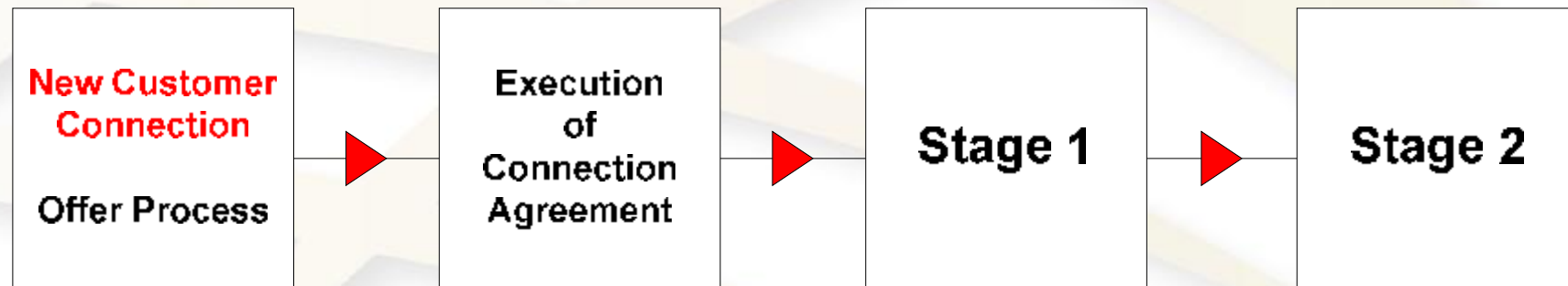


# Standard Charges & Lead-times

- Non-contestable customer connections
- Public consultation by CER
- Our aim
- Usage



# Stages in New Connection Project



# Project Responsibilities

- EirGrid:

- Ø Site acquisition
- Ø Outline design
- Ø Planning permission
- Ø Wayleaves/easements

- ESB Networks:

- Ø Equipment procurement
- Ø Construction
- Ø Commissioning
- Ø Energisation



# Stage 1 Standard Charges

- Include:
  - Ø Planning permission
  - Ø Outline design
- Assume:
  - Ø Flexibility payments & easement payments to landowners are pass-through as per Connection Agreement
- Do NOT include:
  - Ø Site acquisition
  - Ø Civil works for new stations
  - Ø Extension of existing stations
  - Ø Oral hearings



# EirGrid Stage 1 Standard Lead-times

- Include:
  - Ø Stage One Capital Approval
  - Ø Site acquisition/route selection
  - Ø Environmental assessments
  - Ø Planning permission
  - Ø Committed Project Parameters
  
- Assume:
  - Ø Certain developments are deemed strategic by ABP
  - Ø Cables are exempted development under planning & development acts



# Pros & Cons of Standard Charges & Lead-times

- The benefits:

- Ø Transparency
- Ø Cost certainty
- Ø Efficient processing

- The limitations:

- Ø Indicative
- Ø Generic
- Ø Assumptions



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# Transmission Capital Programme Overview

- Transmission Development

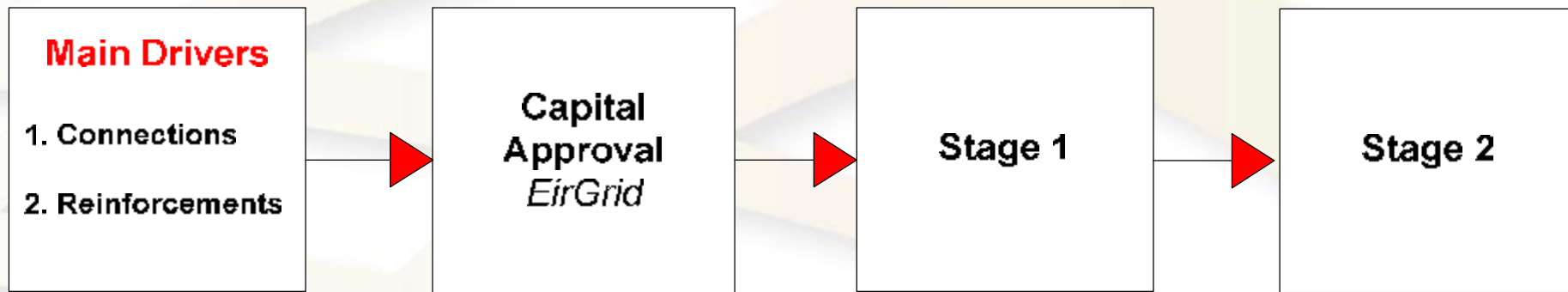
Ø€520million approved by CER 2006 – 2010

Øc. 200 Capital Projects in different phases of completion

ØCategories - Reinforcements, Connections, Refurbishments, Uprates, etc



# Stages in a Project



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- **Infrastructure Agreement**

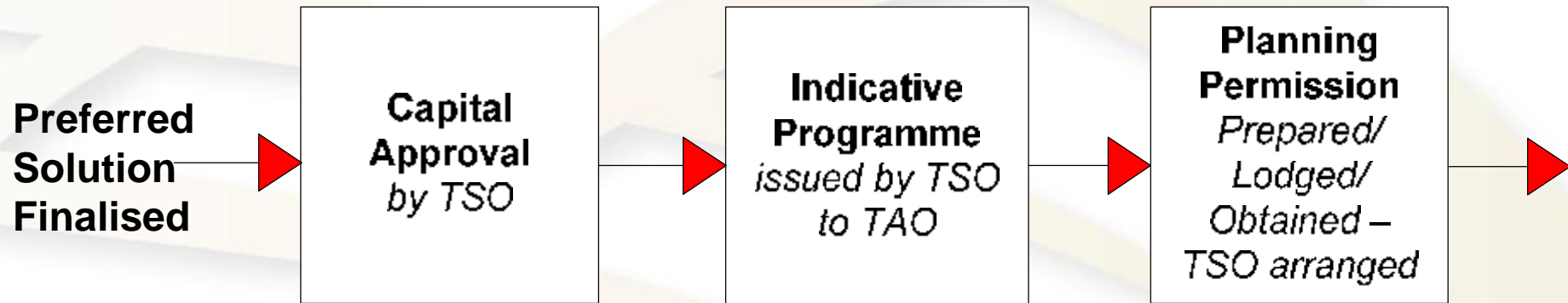


# Infrastructure Agreement (IA)

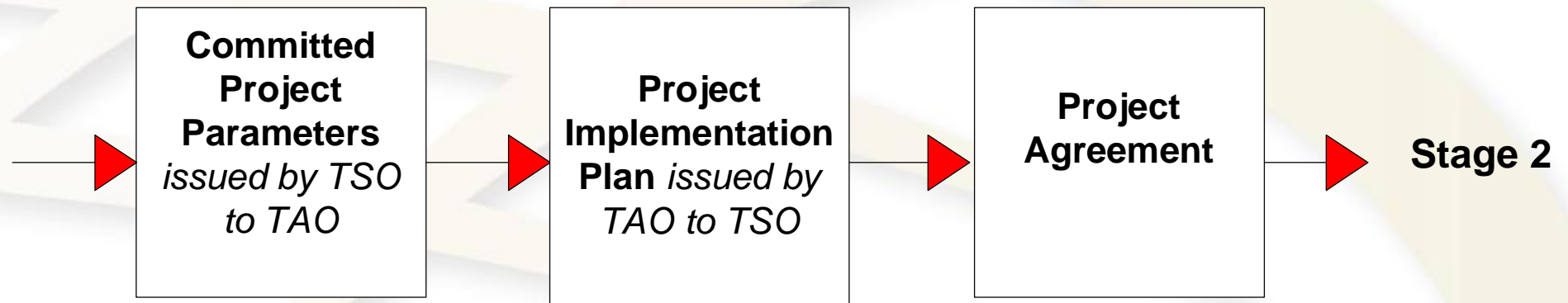
- The ongoing agreement between the TSO, EirGrid, and the TAO, ESB Networks
- TSO, operate, ensure maintenance and develop transmission system
- TAO, maintain the transmission system and carry out construction work



# Stage 1 under the IA – slide 1/2



# Stage 1 under the IA – slide 2/2



# Planning Permission

- Previously all applications were made to local authorities
- Changes under Planning & Development (Strategic Infrastructure) Act 2006
- Pre application consultation with Strategic Infrastructure division of An Bord Pleanála
- Standard timelines have assumptions
- Timelines reviewed as experience gained



# Committed Project Parameters

- Outline Design and Functional Specification
- Updated Indicative programme
- Planning Permission Documentation
- Access and wayleave details



# Project Implementation Plan

- Project Programme
- Arrangements for Procurement and Management of Materials
- Outage Requirements, Operational Requests & Arrangements
- Estimated Total costs for Committed Project



# EirGrid Stage 2 Works

- Detailed Design review
- Review construction works to assess compliance
- Liaise regularly with TAO
- Meetings with Customers
- Arrange Outages
- Site Acquisition/Transfer



# Example using standard timelines:

New Bay in existing 110kV Station

