APRIL 2008

EIRGRID

update

CORK HARBOUR CABLE PROJECTS

EIRGRID PLC, a state-owned company, is the independent electricity Transmission System Operator (TSO) in Ireland and the Market Operator in the wholesale electricity trading system.

EirGrid's role is to deliver quality connection, transmission and market services to generators, suppliers and customers utilising the high voltage electricity system, and to put in place the grid infrastructure required to support the development of Ireland's economy.

EirGrid develops, maintains and operates a safe, secure, reliable, economical and efficient transmission system.

Over the next three years, two new power plants will be completed in the Aghada area. Once these plants are commissioned and fully operational, 25% of Ireland's generation capacity will come from the Cork Harbour area. In order to fulfil its role as TSO, EirGrid is required to develop the power transmission system in the Cork Harbour area to ensure the supply of this energy to the National Grid.

www.eirgrid.com

If you would like to discuss the proposed EirGrid developments in Cork Harbour, or meet with a member of the project team, please contact EirGrid by e-mail at: corkharbourprojects@eirgrid.com

by phone at: 021 4666 266
or write to EirGrid at:
The Project Manager,
Cork Harbour Cable Projects,
Emmett House,
Barrack Square,
Ballincollig,
Co. Cork.

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the project

this transmission system project will occur in three stages:

1. **Connection of the two new privately built and operated power stations to the National Grid.**
   This work will consist of connecting both the new ESB power plant at Long Point and the new Bord Gáis Éireann power plant at Glanagow to the National Grid at Aghada. Both of these stations will be connected to the Aghada Station via underground transmission cables.

2. **Completion of the Aghada – Raffeen line.**
   This work will consist of installing an underground cable from Cow Cross on Great Island to Cuskinny Bay. The transmission cable will then be installed across the harbour, under the seabed, to the Aghada power station.

3. **Installation of a second transmission circuit across the main channel of Cork Harbour from the new Bord Gáis Éireann plant at Glanagow to Raffeen.**
   This transmission cable will be installed under the seabed to Lough More and continued underground to the Raffeen station.

timelines

stage 1 — connection to the Electricity Transmission Network

July 2008 to Jan 2009	Connection of ESB Long Point power station to National Grid
Feb 2009 to July 2009	Connection of Bord Gáis Éireann Glanagow power station to National Grid

stage 2 — completion of the Aghada to Raffeen circuit

Winter 2009	Installation of Cow Cross to Cuskinny Bay underground cable
Spring 2010	Installation of under the seabed cable from Cuskinny Bay to Aghada
Autumn 2010	Completion and commissioning of Aghada to Raffeen circuit

stage 3 — construction of Glanagow to Raffeen circuit

Spring 2010	Installation of underground section of Glanagow to Raffeen cable
Autumn 2010	Installation of under the seabed section of Glanagow to Raffeen cable
Spring 2011	Completion and commissioning of Glanagow to Raffeen circuit

the impact

EirGrid is committed to ensuring that the work carried out in the Cork Harbour area meets the highest environmental and safety standards. The energy transmission system in the Cork Harbour area will be developed underground and under the sea. While construction work is being carried out, EirGrid will liaise with both Cork County Council and Port of Cork to minimise disruption to local communities along the construction route and to vessels using the harbour.

The Irish economy has grown rapidly over the last fifteen years. This economic growth has increased demand for electricity by about 4% a year. The connection of these two power plants will contribute to meeting Ireland's electricity needs for the coming years.

key benefits

- Support economic growth and development in the Cork area
- Ensure a security of supply for the future
- Support industry in Cork when competing for business and inward investment
- Ensure that bulk high quality power is available for the Munster region