

East-West HVDC Interconnector

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	Min / Max Demand (All-Island)
	2,300 MW / 6,500 MW
	Installed Generation
	Conventional: 9,901 MW Wind: 2,825 MW
	Interconnection
	750 MW
	2020 RES Targets
And the second s	40%
	Fuel Mix
	Gas Gas Coal Wind Imports Peat CHP Hydro Other



- 500 MW HVDC-VSC Interconnector linking Ireland & Northern Ireland system to Great Britain system
- €570m investment
- 264 km of DC cable
- Commenced: 2007
- Completed: 2012
- Contracts to commercial operation in 45 months





Security of Supply	 Provide additional capacity Reduce dependence on imported fuels
Promote Competition	 Exert downward pressure on price Direct access to GB market
Accommodate RES	 Reduce RES curtailment Assist meeting RES targets





- Choice of technology key -HVDC VSC
 - Represents the optimum wholelife techno-economic solution
 - Well-suited to the technical characteristics of island systems
- Environmentally friendly XLPE cable utilised
- Performance during transient events









Community Engagement (construction phase)





Current Status and Results







- Countertrading reducing RES curtailment
- 300 GWh between July and December 2013



- Choice of technology key
- Developing and maintaining good stakeholder relationships
- Separate project managers for Ireland, Great Britain and marine works



Next Steps







