

APPENDIX I GLOSSARY

Bottleneck	A circuit or a group of circuits that limits the transfer between two areas.
CER	Commission for Energy Regulation (in May 2002 the commission was given the additional authority for regulation of the gas industry).
Circuit	An element of the transmission system that carries electrical power.
CHP	Combined Heat and Power.
Data Freeze Date	The date on which the Forecast Statement data was effectively "frozen". Changes after this date were not considered for the analyses
Demand	The peak demand figures in Table 2-1 in Chapter 2 refer to the power that must be transported from Grid connected generation stations to meet all customers' electricity requirements. These figure include transmission losses.
DSO	Distribution System Operator.
EirGrid	As part of the EU's electricity liberalisation programme an electricity TSO must be set up on an independent basis for each EU member state. ESB National Grid is currently performing the role of electricity TSO in Ireland. EirGrid Plc. will shortly take over TSO role from ESB National Grid (ESBNG).
Embedded	Refers to generation that is connected to the distribution system or at a customer's site.
ESB	Electricity Supply Board.
ESBNG	Electricity Supply Board, National Grid – A division of ESB currently performing the TSO and Market Operator roles.
ESRI	Economic and Social Research Institute.
GAR	Generation Adequacy Report 2003-2009.
GDP	Gross Domestic Product
Generation Dispatch	The configuration of outputs from the connected generation units.

Grid	The electricity transmission network. These terms, also transmission system, are used interchangeably in this forecast statement.
Grid Code	The Grid Code is designed to cover all material technical aspects to the operation and use of the Transmission System. The code was prepared by the ESB National Grid (pursuant to Section 33 of the Electricity Regulation Act, 1999) and approved by the CER. The Grid code is available on www.eirgrid.com .
IDC	Internet data centres, also known as Webfarms or Net Hotels, provide server capacity for internet service providers.
ITC	Incremental Transfer Capability (ITC), which is a measure of the transfer capability remaining in the physical Grid for further commercial activity over and above already anticipated uses.
NIE	Northern Ireland Electricity.
PCGS	Personal Consumption of Goods and Services.
PST	Phase Shift Transformer, a power flow control device.
RES	Renewable Energy Schemes.
SNV	Summer night valley, the time of minimum annual demand.
TFC	Total Final Consumption, the total amount of electricity consumed by all customers, including customers with on-site generation who supply some or all of their own requirements.
Transmission Interface Station	A station that is a point of connection between the transmission system and the distribution system or directly connected customers.
Transmission Peak	The peak demand that is transported on the Grid. The transmission peak includes an estimate of transmission losses.
Transmission Planning Criteria	The set of standards that the transmission system is designed to meet.
TSO	Transmission System Operator.
WDRI	Winter Demand Reduction Incentive tariff. This tariff provides large users with a financial incentive to reduce their demand over weekday peak hours in winter.