



Operating Reserve Requirements
As Optimised by TSO's
Valid from 9th June 2010

Operating Reserve Requirements

Category	All Island Requirement % Largest In_Feed	EirGrid Minimum ¹ (MW)	SONI Minimum (MW)
POR ²	81%	120 / 75	50
SOR	81%	120 / 75	50
TOR 1	100%	120 / 75	50
TOR 2	100%	120 / 75	50
NEG	50%	120/75	50

1. EirGrid Lower values apply from 24:00 -07:00 inclusive
2. Minimum values of POR in each jurisdiction must be supplied by dynamic sources

Operating Reserve Definitions

	Delivered By	Maintained Until
Primary (POR)	5 seconds	15 seconds
Secondary (SOR)	15 seconds	90 seconds
Tertiary 1 (TOR1)	90 seconds	5 minutes
Tertiary 2 (TOR2)	5 minutes	20 minutes
Negative (NEG)	Negative reserve on a per unit basis is the unit output in MW minus the minimum stable generation.	

Sources of Reserve

	EirGrid	SONI
Dynamic Reserve	Synchronised Generating Units operating at or above the minimum generation level (MW) at which reserve is provided.	
Static Reserve	<p>Turlough Hill Units when in pumping mode (71.5 MW per unit)</p> <p>Interruptible Load (25 MW which operates at 49.3 Hz, between the hours of 07:00 – 00:00)</p>	<p>Moyle Interconnector 75 MW subject to interconnector capacity limit.</p> <p>(50 MW at 49.6 Hz + 25MW at 49.5 Hz)</p>

Due to the real time nature of system operation this data may change from time to time. We cannot accept any responsibility or liability howsoever caused by reliance on the information presented here.