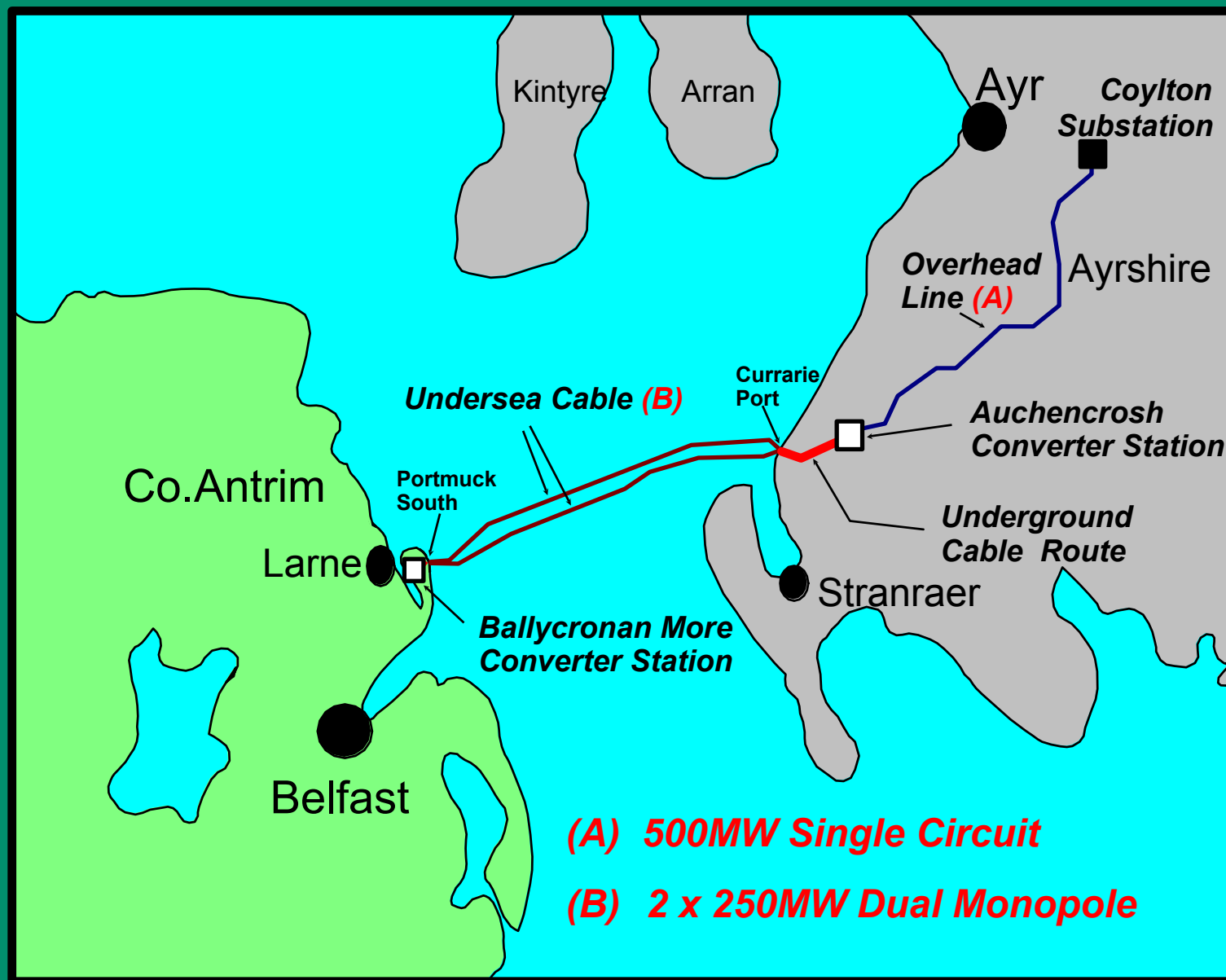


The Interconnector Forum
12 September 2002

The Moyle Interconnector

Alan Rainey
Moyle Interconnector plc

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Ballycronan More Converter Station



Direct-light-triggered Thyristor Valve



Cable Ship Skagerrak



Coylton - Auchencrosh 275kV Line



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Ownership and Contracts - 1

- ♦ **Re-financing proposal to reduce cost to customers**
 - Ofreg consultation paper 10 September 2002
 - 100% debt finance
- ♦ **Ownership**
 - asset owner is Moyle Interconnector plc (Moyle)
 - Viridian Group PLC subsidiary at present
 - proposal to move to not-for-profit Customer Trust

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Ownership and Contracts - 2

- ♦ **Moyle revenue**
 - charges to Capacity Acquirers following capacity auctions
 - TUoS contribution
- ♦ **Changes to Moyle Interconnector Capacity Agreements**
 - present contracts with NIE, proposed to be directly with Moyle
 - need for Capacity Acquirers to have credit rating or provide credit support (LoC, bank guarantee)

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Design Performance

	Forced Energy Unavailability (%)	Scheduled Energy Unavailability (%)
Converter Stations	0.5	1.0
Cables	0.6	0
Overhead Lines	0.3	0.6
Overall	1.4	1.0

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Performance during Trial Commercial Operation

- ♦ **1 January – 9 April 2002**
 - defect clearance, teething problems
 - 2 month available capacity reduction to 250 MW
 - 73% availability based on 500 MW capacity (84% on contracted capacity)
- ♦ **Converter station noise**
 - attenuation measures installed requiring pole outages
- ♦ **Converter station fault**
 - design defect rectified during planned outages for noise attenuation measures
- ♦ **Scottish 275 kV line forced outage during January storm**
 - defects rectified during planned outages
- ♦ **Minor control and protection defects**
 - short duration unavailability, now rectified

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Performance during Full Commercial Operation

- ◆ **10 April 2002 to date**
 - 2 day planned outage during July holiday period
 - no other incidents
 - 98.7% availability to date based on 500 MW capacity (99.2% on contracted capacity)
 - possible minor outage in September
 - 400 MW capacity with design availability expected for winter period

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Planned Maintenance

- ◆ Provisional outage plan 2003/04
 - 1 pole (250 MW) outage 09-13 June 2003
 - 1 pole (250 MW) outage 30 June – 4 July 2003
- ◆ Overhead Line outages under discussion with ScottishPower

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