

Changes to the NTS and Maintenance

Winter Operations Briefing 2008

Andy Malins

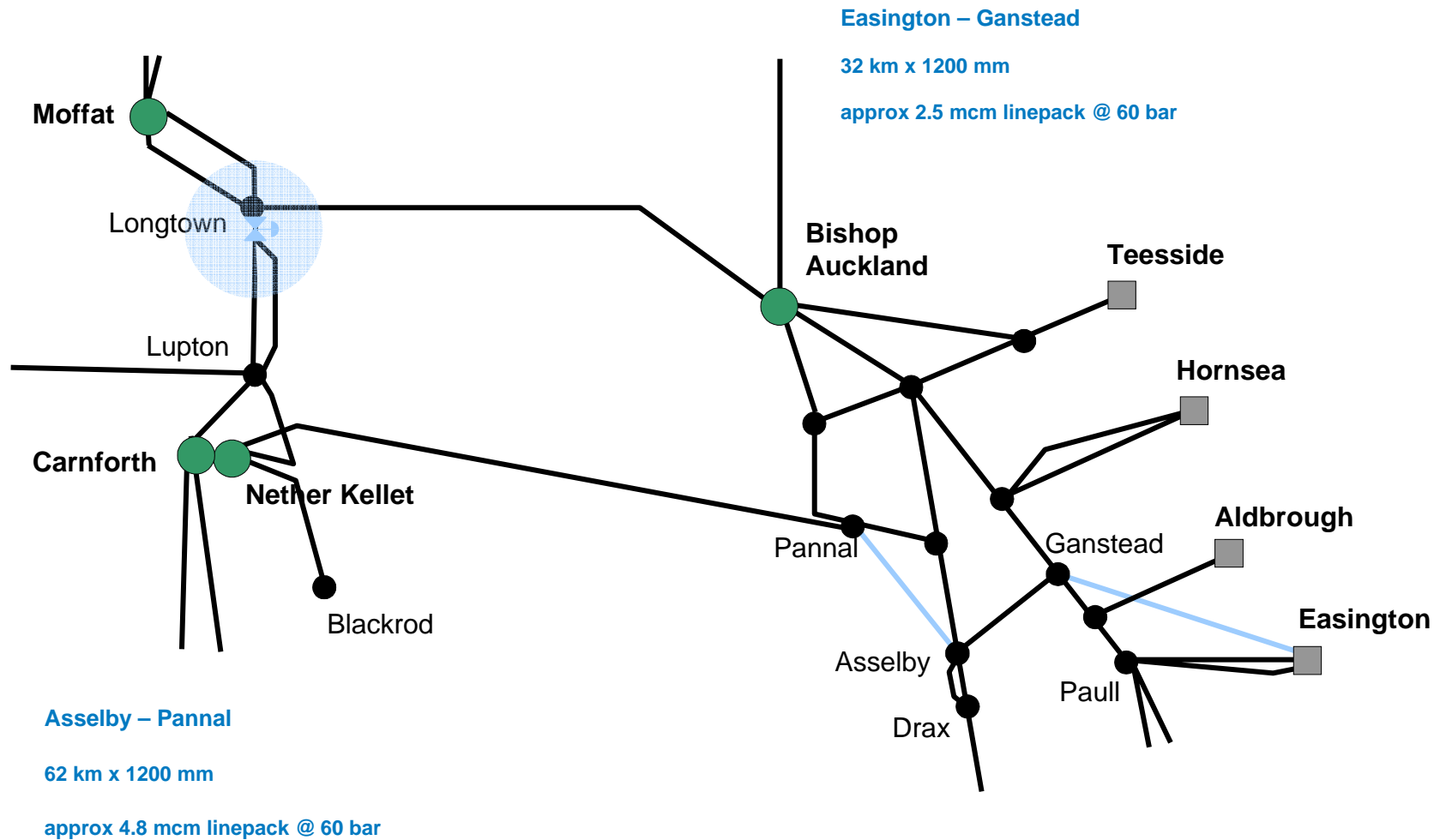
Manager – Gas National Control Centre

nationalgrid

The power of action.™

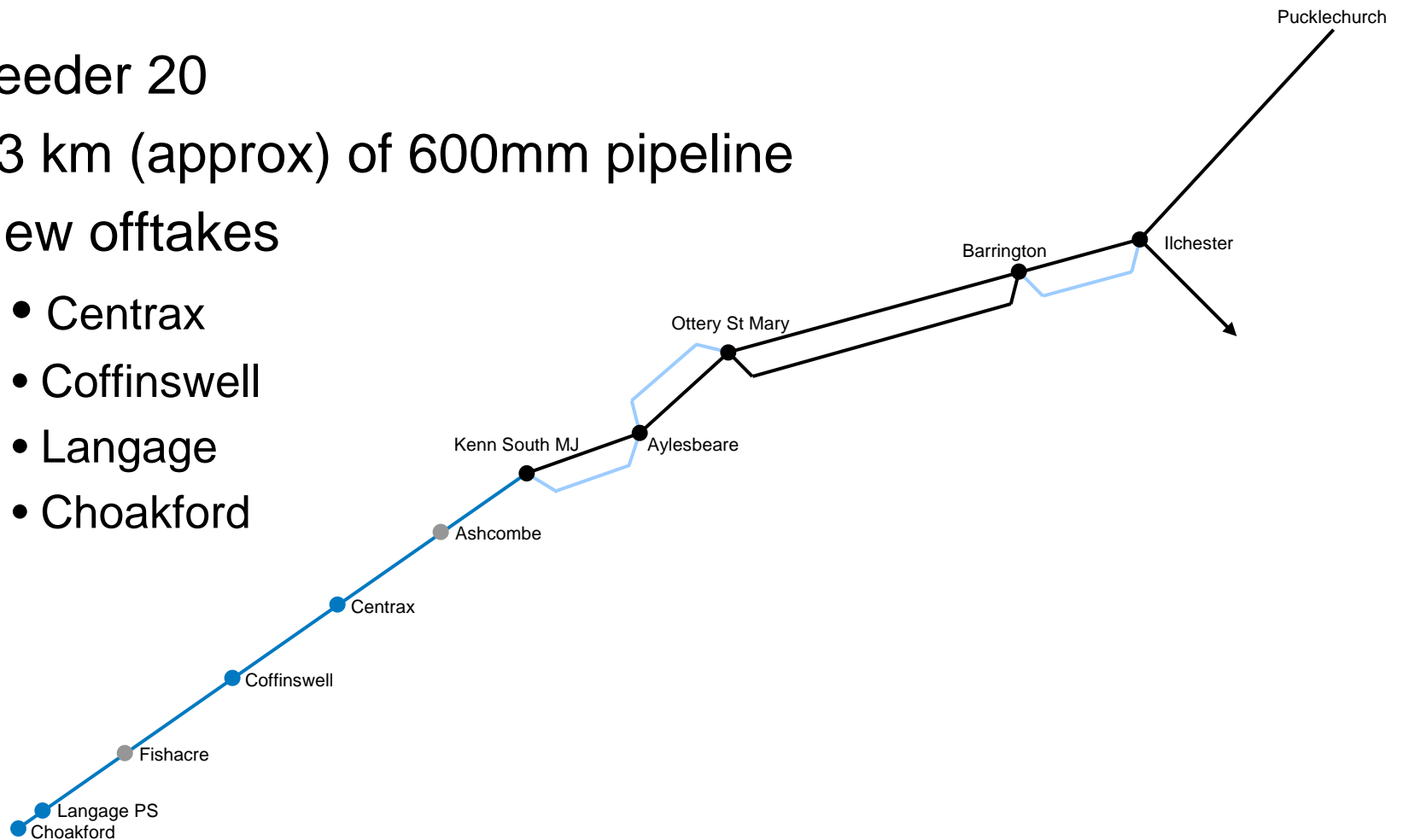
Easington Projects

Feeder 29 and Longtown Flow Control Valve



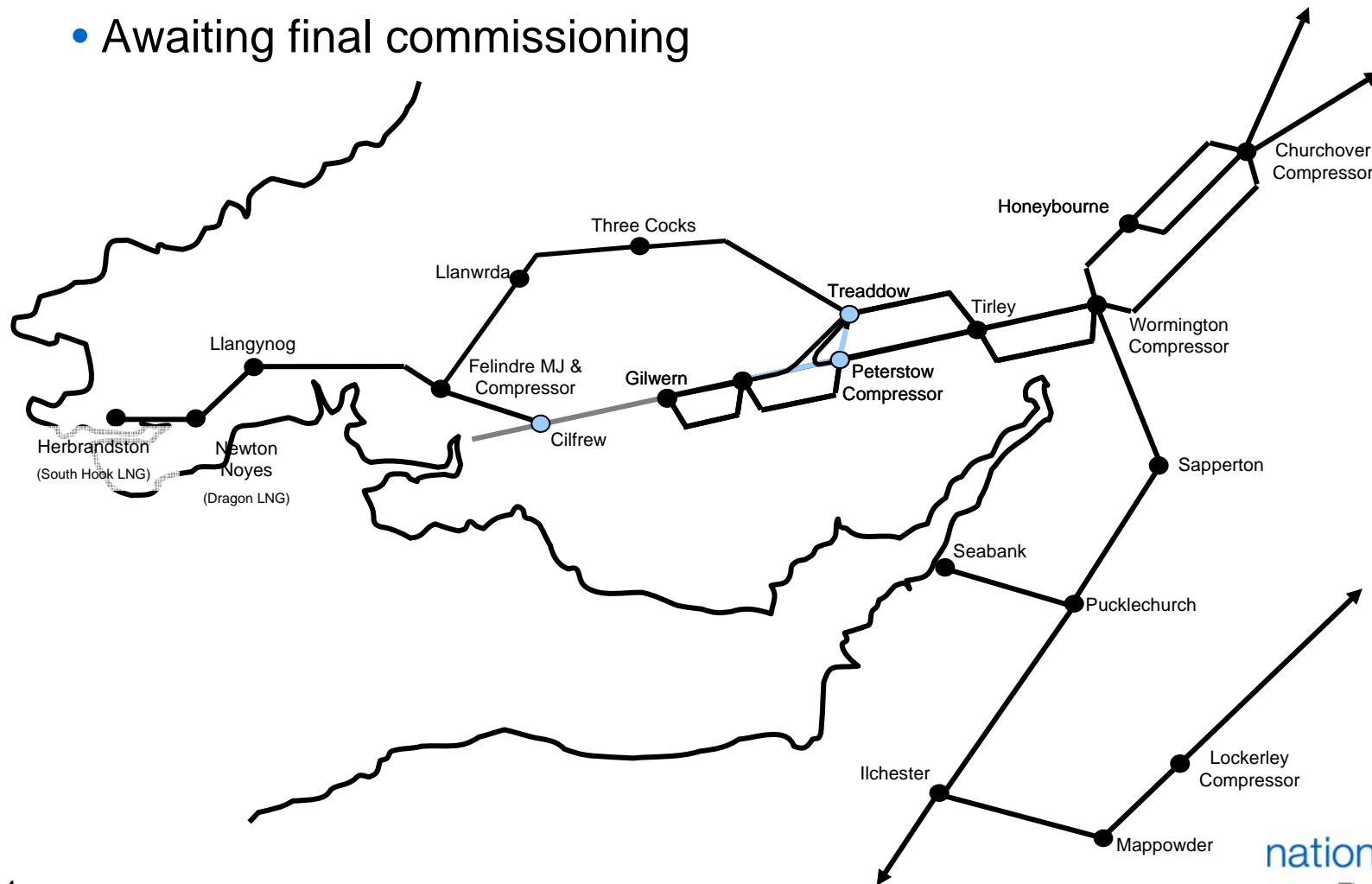
South West Reinforcement Project

- Feeder 20
- 63 km (approx) of 600mm pipeline
- New offtakes
 - Centrax
 - Coffinswell
 - Langage
 - Choakford



South Wales Expansion Project

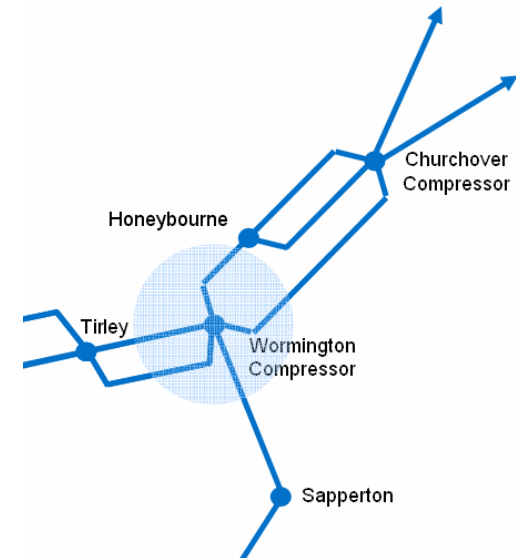
- Cilfrew PRI & Treadow PRI complete
- Awaiting final commissioning



Wormington Compressor Station

Unit	Type	Shaft Power	Engine	Turbine	Compressor
A	Gas Turbine	12 MW	Avon	EGT EASI 33	De Laval
B	Gas Turbine	12 MW	Avon	EGT EASI 33	De Laval
C	Electric VSD	15 MW	Siemens	N/A	Siemens

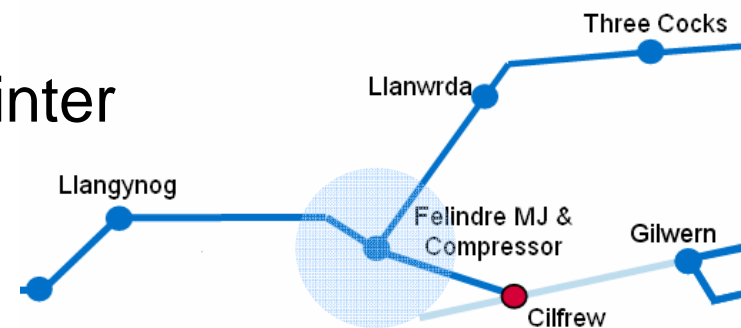
- New electric drive unit
- Multijunction re-build complete
- On line testing in progress



Felindre Compressor Station

Unit	Type	Shaft Power	Engine	Turbine	Compressor
A	Gas Turbine	15 MW	Solar Titan 130	Solar Integral Turbine	Solar
B	Gas Turbine	15 MW	Solar Titan 130	Solar Integral Turbine	Solar
C	Electric VSD	30 MW	Siemens	N/A	Rolls Royce

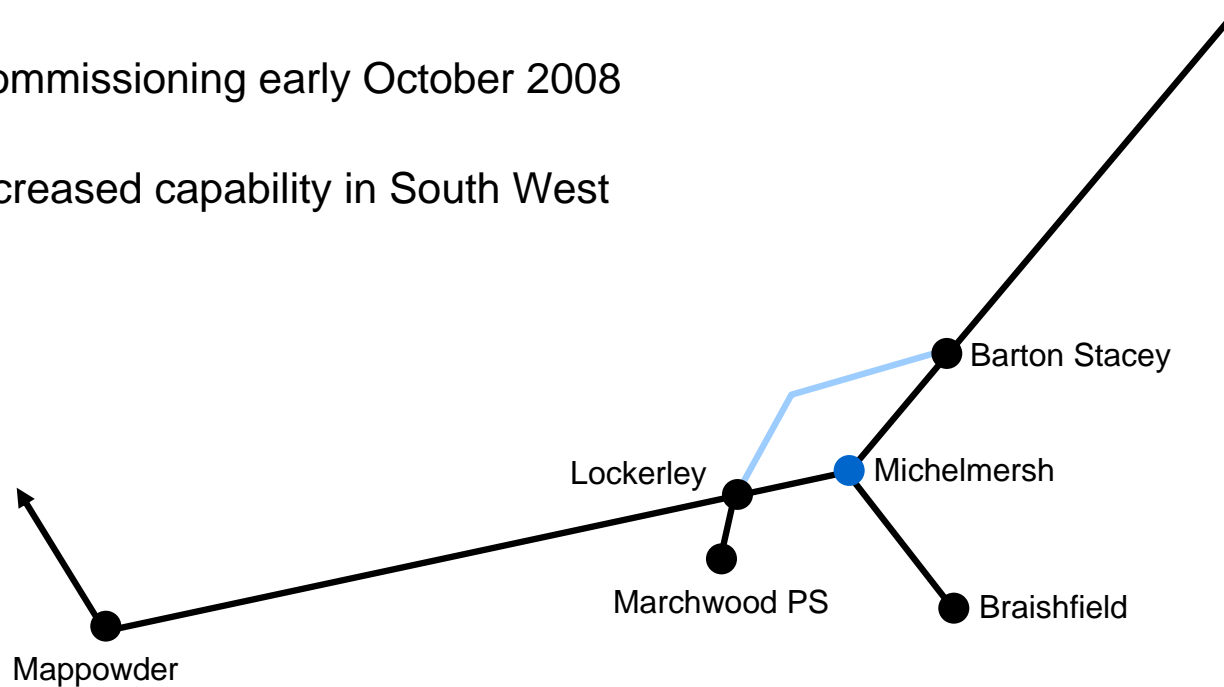
- New gas and electric drive units
- Multijunction works ongoing
- On line testing planned for winter



Barton Stacey to Lockerley

Feeder 9

- 30km of 900mm pipe
- Approx 1.2 mcm additional linepack (56 bar)
- Commissioning early October 2008
- Increased capability in South West



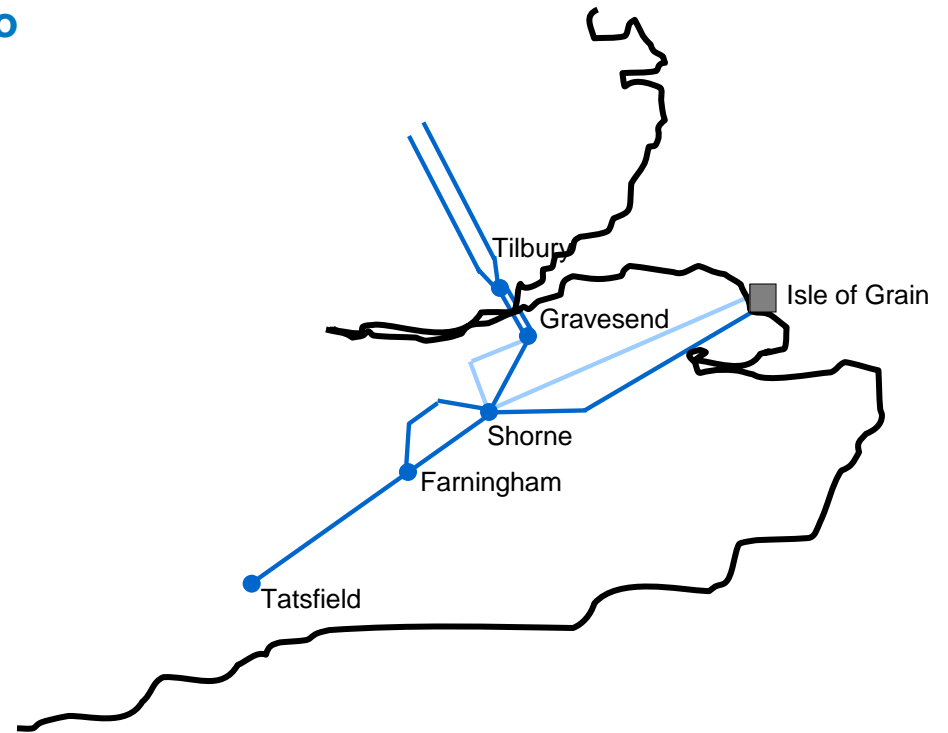
Isle of Grain expansion project

Feeder 18 – Isle of Grain to Shorne to Gravesend

21km of 900mm pipe

Estimated 0.85mcm of Linepack

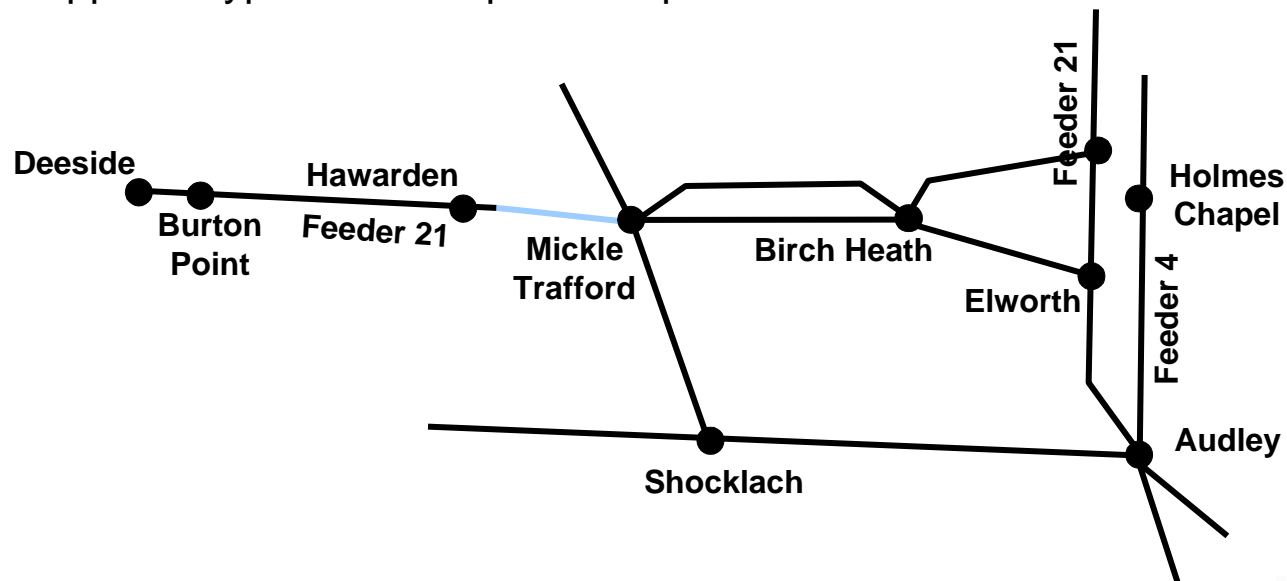
Commissioning Oct 2008



Maintenance Work during Winter Period

Feeder 21 Mickle Trafford – Shotwick diversion

- A5117 road diversion
- Originally planned for September - delayed due to construction problems
- Stopple & bypass – no impact on operation



Maintenance Work during Winter Period (2)

Feeder 16 Pennington - Sellafield OLI feature investigation

- Pressure restriction during excavations
- No impact on end user or capacity at Barrow
- Pressure will be reduced by manual control at Pennington AGI

