Gas to the West project update

[Image of a map showing pipeline routing in the West region with place names like Downham, Goostrey, and Salford included in the key]
Agenda

- Introductions
- The story so far
- Planning permission
- HP construction what’s involved
- HP Construction Programme
- IP construction what’s involved
- IP Construction programme
- Main Contractors and Suppliers
- Gas on Programme and downstream roll out

Paddy Larkin

Danny O’Malley
Project partners

Scotlend to NI pipeline
Belfast Gas Pipeline
Moyle Interconnector

mutualenergy
A Northern Ireland company working for consumers

• Brings a low cost of capital
• Established transmission system operator
• Local market knowledge and expertise

SGN
Your gas. Our network.

• Established connection with NI
• Economies of scale
• Successful in Construction and Innovation

Scotland gas network
Southern gas network
Ground Investigations
Environmental Assessment
Archaeology
Community Consultation

Two programmes
Portadown
Dungannon
Augher
Magherafelt
Omagh
Enniskillen

Plus unmanned displays
Pre Application Discussions

- Chief Executive of each Council
- Environmental Health Department of each Council
- NIEA (Landscape, Water Management Unit, Historic Monuments, Natural Environment, Waste Management)
- Transport NI
- Rivers Agency
- DAERA Inland Fisheries
- HSENI
- NIE
- Systems Operators Northern Ireland (SONI)
- NI Water
- DfE: GSNI
- DfE: Energy Branch
- RSPB
- DAERA: Forest Service
- DAERA: Fisheries
- Council for Nature Conservation And The Countryside
- Loughs Agency
- DAERA Veterinary Division
- DARD Environmental Policy Division
- Northern Ireland Tourist Board
- Northern Ireland Housing Executive
Planning Application Consideration

Brilliant achievement in timeframe with no compromise on quality

- 185km pipeline crossing 364 farm enterprises covering 978,000 Hectares with a construction footprint of 234 Hectares
- Pipeline crosses
  - 85 roads including M1 plus 56 laneways
  - 215 watercourses including River Blackwater and Upper lough Erne

Documents filed
- 104 Impact assessments and statements
- 136 Plans, Maps and drawings
- 39 Consultations issued
- 134 Planning decisions and reports
- 1629 Neighbourhood notifications

Local Assembly collapse and assembly election
Planning Approval Granted 04/04/17

Thanks to all those involved in the process
So What’s next?

- Secondary consents and planning conditions compliance
- Land access ongoing but well advanced
- Procurement of main contracts well advanced - many placed already
- Mobilisation beginning
- Construction works split across 2017 and 2018
- 2017 works to start in coming weeks

Other Live Items

- DfE grant award and compliance monitoring
- Ureg to set build cost allowance
- Long term financing
The Route and main project components
Typical Above Ground Installations
Above Ground Installation – typical example
Typical High Pressure Pipeline construction

Working with topsoil removed
Fencing
Access points

Steel Pipeline 300/400mm diameter
Delivered
Strung out along route
Pipeline welded in situ

Trench opened and Pipeline lifted into position
Reinstatement
GttW – 2017 Works
Armagh-Banbridge Craigavon
GttW – 2017 Works

Mid Ulster
Procurement

Main Contracts awarded/ to be awarded

HP steel pipe ✓
AGI Materials ✓
Design Services
Inspection Services
Electrical and Instrumentation works
Electrical and Instrumentation materials
HP pipeline construction
IP pipeline construction ✓
SGN Natural Gas - IP Construction
SGN – the structure

Our new business for Northern Ireland
Gas Pressure Tiers for Gas to the West

• Transmission
  • Up to 85bar pressure
  • Power Stations
Gas Pressure Tiers for Gas to the West

- Transmission
  - Up to 85bar pressure
  - Power Stations
- Intermediate (IP) Pressure
  - Up to 7bar pressure
  - Large Industrial Customers
Gas Pressure Tiers for Gas to the West

- Transmission
  - Up to 85bar pressure
  - Power Stations
- Intermediate (IP) Pressure
  - Up to 7bar pressure
  - Large Industrial Customers
- Medium (MP) and Low (LP) Pressure
  - Up to 2bar (MP) and 75mbar(LP)
  - Smaller Industrial
  - Commercial
  - Domestic
Gas to the West - IP Network
Outline IP Construction Programme
Outline IP Construction Programme

141km of Intermediate Pressure Pipeline (up to 7bar)

- 400mm/315mm PE Pipe
- 300mm/250mm Steel Pipe

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Outline IP Construction Programme

141km of Intermediate Pressure Pipeline (up to 7bar)

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Maydown to Strabane IP Pipeline

30km of Intermediate Pressure Pipeline (up to 7bar)
• 315mm PE Pipe
• 250mm Steel Pipe

Started
• November 2015

Commissioning
• Maydown to Artigarvan – January 2017
• Artigarvan to Strabane – April 2017
Remaining Contracts

111 km of Intermediate Pressure
• 300mm Steel
• 250mm Steel
• 400mm PE
• 315mm PE

Contractor Appointed
Joint Venture between:
• Murphy International Limited
• GMC Utilities Group Limited

Construction Start – July 2017
Completion Q4 2018
Network Development
# Network Development

## Distribution Network Build

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Strabane Spine and Infill Mains Construction

Key Elements

- Construction started November 2016
- 24km of Spine and Infill mains over 2 x years – to pass 2,500 properties
Strabane Spine and Infill Mains Construction

Key Elements

• Construction started November 2016

• 24km of Spine and Infill mains over 2 x years – to pass 2,500 properties

• 1st Infill Packages to align with TNI Resurfacing Programme and to provide gas to fuel poor customer

• Spine mains started January after Christmas Trading Period
Distribution Mains Construction

Continual Communication with Stakeholders

SGN Natural Gas

Council
MLAs
Businesses
Community Leaders
Transport NI
Emergency Services
Schools
Householders
Fuel Poverty Challenge
Fuel Poverty Challenge
Fuel Poverty Challenge
Fuel Poverty Challenge

Importance of Community involvement
Consumer Groups
Local Resident Advocates

Fuel Poverty

- Councils
- MLAs / MPs
- Customers
- Community Leaders
- NIHE
- Housing Associations
- Consumer Council
- Energy Savings Trust
Thank You

For coming and your attention

Project team available in room for discussions