



SGN H100 FIFE REGULATORY MODEL

H₂



SGN’s project H100 Fife is a ‘proof of concept’ of a green hydrogen, purpose-built network. Around 300 domestic customers will be invited to switch to a green hydrogen gas supply for heating and cooking as part of the trial.

With support from Xoserve, SGN has worked with industry stakeholders to develop the regulatory model which supports the H100 Fife Project.



SGN
H100 Fife



CUSTOMER PROMISE

- Customers can continue to use prepayment or credit methods
- They will be billed by their energy supplier based on their natural gas tariff
- They can remain or switch their suppliers if they wish
- They can opt out at any time and revert back to natural gas
- They will not be financially disadvantaged — project participation will be cost neutral



METERSIT WILL

- Develop a SMETS 2 Hydrogen meter that meets relevant testing and certification requirements (results shared with relevant parties)
- Set a Declared CV value in production
- Support interoperability testing with suppliers when needed
- Engage with the relevant industry codes so meter technical details are included in Market Domain Data tables



THE ENERGY SUPPLIERS’ REQUIREMENTS

- Facilitate the collection of current electricity and gas metering installation data in the trial area
- Work with the meter manufacturer and SGN to support successful SMETS 2 Hydrogen Meter rollout with an efficient data exchange
- Support customers by training call centre colleagues and using the H100FIF identifier to manage billing



ENGAGEMENT WITH KEY INDUSTRY FORUMS

- Energy UK
- Future of Gas Steering Group
- Retail Energy Code - Metering Expert Group Panel Performance Assurance Board
- Smart Energy Code
- ICOSs
- UNC Modification 0799 WorkGroup
- UK Link Change Committee
- ComCop
- IGEM



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XOSERVE SUPPORTS BY:

- Supported the development of UNC Modification 0799 implementation
- Providing H100FIF identifier, Market Domain Data details, Meter Point Reference Number transition reports and secretariat services
- Monitoring customers live on hydrogen and change of supplier events (with a bespoke model)

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KEY PROJECT MILESTONES



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KEY METRICS

- Multiplication Factor 0.304
- Calorific Value 12MJ/m³
- 6-dial meter