

Within-Year Gas Demand

Summer



Winter



Zone of Influence = the maximum extent that a gas disperses into the network from an injection point.

Zones of influence of Biomethane and Hydrogen could decrease in winter due to increased seasonal demand. Stable natural gas inputs would be used to supply the bulk load.

Network Scenarios

Within-Day Gas Demand

Differences in gas distribution across the network could arise due to: Weather changes | Seasonal demand profiles | Production disruption | Pressure control adjustments

Biomethar 37 MJ/r Natural Gas 39 MJ/m Natural Gas Blended Hydrogen 39 MJ/m 34 MJ/m³ 34 MJ/m 50 **07:00 FWACV** = -36.5 MJ/m³ 12:00 FWACV = ~38.2 MJ/m³ 40 30 GWh GWh 00:00 03:00 06:00 09:00 12:00 15:00 18:00 21:00 00:00 00:00 03:00 06:00 09:00 12:00 15:00 18:00 21:00 00:00 Time Time Biomethane Blended Hydrogen NG — Total Biomethane Blended Hydrogen NG - Total



