

The background of the slide features a large, stylized white 'X' shape. Behind the 'X', there is a composite image: the left side shows a close-up of blue interlocking gears, and the right side shows a field of solar panels under a bright, hazy sky. The overall color palette is a mix of blue, orange, and white.

The Regulatory Regime Caloric Value

■ Energy Market Issues for Biomethane Projects (EMIB)

Steve Rowe

Why measure CV

- Consumer protection, balancing and settlement across the supply chain
- Meters measure volume of gas only, therefore need to account for energy content (calorific value)
- Meter accuracy provided for under separate regulations (NMO / Network Code)
- CV provided for under section 12 of the gas act
- Gas Calculation of thermal energy regulations 1996, as amended 1997.

Existing Configuration

- Networks free to establish charging areas
- Tracker sites attribute CV (c 40 sites)
- 120 Offtakes directed supplying the charging areas
 - Defined by the GDN
 - Basis for customer billing
- Networks operating predominately on the basis of FWACV
 - Deals with unbilled therms
 - Protects consumers to +/- 2% (similar to gas meter)
 - Incentive for networks to balance CV
 - Scottish independents (declared)

Ofgem governance

- Ofgem vires under Gas Act to appoint gas examiners
 - effectively ensures consumers are billed appropriately
- A public gas transporter shall (a) make determinations of calorific values of the gas conveyed by him to premises...
 - Place (position on network)
 - Time (gas day)
 - Manner (measurement of CV)

Ofgem - Directions

- Published on the Ofgem EPR
- SGS conduct audits of directed sites
- 120 sites every quarter
- Ongoing auditing, equipment and data
- Instrument assessment
 - Accuracy 0.14 mj/m³
 - Reliability
 - Fit for purpose



Promoting choice and value
for all gas and electricity customers