

Green Gas Certification - Ireland

Dublin

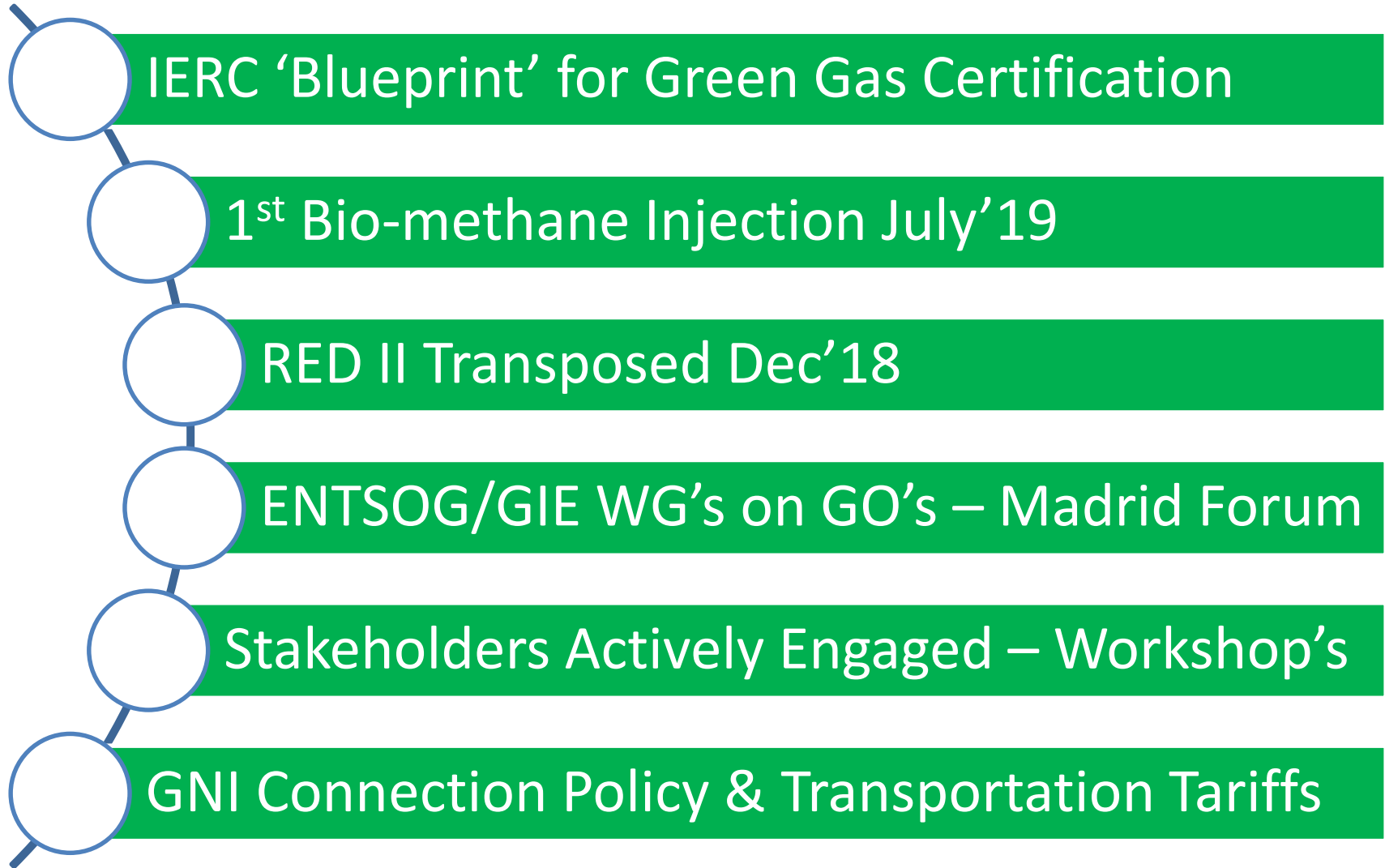
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Biomethane Development - Ireland



Green Gas Certification (GGC) - Background

- GGC an integral requirement for development of biomethane industry in ROI
- Green Gas Cert Project concluded Sept '18 – GNI, MaREI, IERC, RGFI, dena, DBFZ
 - ✓ Project Cost €560k (GNI 10%, RGFI 20%, DCCAE 35%, DBEI 35%)
 - ❑ System to verify the sustainability of renewable gas
 - ❑ Mechanism to record the reductions in GHG emissions from renewable gas
 - ❑ Provide 'proofs' to gas consumers: decarbonising heat/power & sustainability targets
 - ❑ Fulfil requirements in RED & RED II
- GNI mobilised a project to implement GGC 'Blueprint' report
- GNI engaging with CRU on progress to date, seeking approval to move to implementation phase & discuss funding

Back Office – Guarantees of Origin (GO's)

- RED II, Art. 2: 'GO an electronic document which has the sole function of providing evidence to a final customer that a given share or quantity of energy was produced from renewable sources'
- RED II, Art.19: M.S. must issue a GO for each MWh of energy from renew. sources
 - SEMO 'Issuing Body' for renewable electricity GO's (using GREXEL system)
 - Green Gas GO's issued by EU TSO's, e.g. Denmark, Finland, France, Italy, Spain.
- GNI proposing to issue GO's for renewable gas injected into the GNI grid
- GNI proposing to utilize the GREXEL system to issue GO's to Producers

Front Office – Sustainability & GHG Verification

- RED II, Art. 29: Sustainability & GHG emissions savings criteria set-out
- GGC Blueprint sets out components of a national certification scheme
 - To be designed, implemented & operated by independent entity & recognised by EC
- 3 Existing ‘voluntary’ schemes recognised by EC for certification of green gases
 - ISCC (Ger- International), RedCert (Ger), BetterBiomass(NL)
 - Recognition of green gas towards national emissions targets
- GNI Recommendation
 - Producers of green gas in ROI to obtain certification from existing voluntary schemes
 - Results of certification can be reflected in GO’s issued by GNI

Implementation Options: Interim v Enduring

BACK OFFICE

Interim

- Issue GO's for grid injected biomethane
- Apply principles in RED II
- Use an existing registry system = Grexel
- Reflect results of certification on GO's
- Report activity & GHG savings

➤ *CRU approval for GNI to issue GO's*

Enduring

- Implement system for all green gases in ROI
- Comply with EU-hub (to be developed)
- Interoperable with other M.S. & other energy carriers
- Align with implementation of RED II at national level

➤ *GNI will cont. to operate registry & extend with EU hub development unless decision made to t/f to a 3rd party*

FRONT OFFICE

Interim

- Apply an existing voluntary scheme
- Auditors & Certification Bodies exist
- Already recognised by EC
- Immediate recognition of GHG reductions
- Apply to grid injected biomethane

➤ *GNI recommending application of EC approved voluntary scheme*

Enduring

- Establish/Appoint responsible entity
- Develop a national scheme
- Apply for recognition by EC
- Auditors & Cert. Bodies in Ireland
- Apply to all green gases produced in ROI

➤ *NSAI, CRU or other agency could take ownership of National Scheme*

Barriers & drivers for the set-up and operation of biomethane registry

Barriers

- Government Policy:
 - Backed renewable electricity
 - implemented all policies & supported necessary
 - Yet to announce any support for natural gas
 - Large industrial consumers waiting to decarbonise

Drivers

- GNI working with RGFI to remove barriers
 - Implement GGC Scheme = proof of concept
 - Green Gas can play a role in decarbonising heat, power and agricultural emissions (c. 30% of all ROI GHG)
- Industry demanding Green Gas – sustainability targets
- Farmers looking to invest, diversify and decarbonise

Thank you for your attention!

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