

NORA Charge Point Operator Information & Consultation Session:

A Guide to the Renewable Transport Fuel Obligation (RTFO)



June 2024

AGENDA

- Overview of Renewable Transport Fuel Obligation (RTFO)
- Legislative context
- Initial planning for including renewable electricity in the RTFO
- Open discussion / Q&A

RENEWABLE TRANSPORT FUEL LEGISLATION (SOME)

- **Renewable Energy Directive (RED), 2009/28/EC**
 - Set 10% renewable energy target in transport in 2020
 - defines the sustainability criteria for biofuels and bioliquids in the EU
- **Energy (Biofuel Obligation and Miscellaneous Provisions) Act 2010**
 - The 'Biofuel Act', set up the Biofuel Obligation Scheme in Ireland
- **European Union (Biofuel Sustainability Criteria) Regulations 2012**
 - Introduced the Sustainability Criteria (Art. 17) from the RED
- **European Union (Greenhouse Gas Emission Reductions, Calculation Methods and Reporting Requirements) Regulations 2017**
 - Transposed Article 7a of the Fuel Quality Directive: reduce carbon intensity of transport fuels by 6% by 2020.

THE RTFO

- Introduced by the Biofuel Act:

“Every oil company and oil consumer liable to pay the levy.. is required to ensure that... not less than a specified amount of its relevant disposal of road transport fuel... is renewable transport fuel...”

- Obligation applies solely to

Road Transport Fuel

- Administered by NORA

Year	BOS (% volume)	RTFO (% energy)
2010 – 2012	4%	
2013 – 2016	6%	
2017 – 2018	8%	
2019	10%	
2020 – 2021	11%	
2022	13%	
2023		14.6%
2024		17.4%

CERTIFICATE-BASED SYSTEM – COMPLIANCE OPTIONS



Certs



Certs



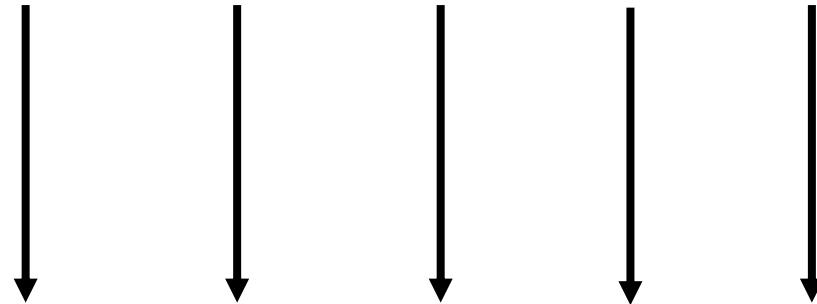
Buy-out

Obligation

THE OBJECTIVE

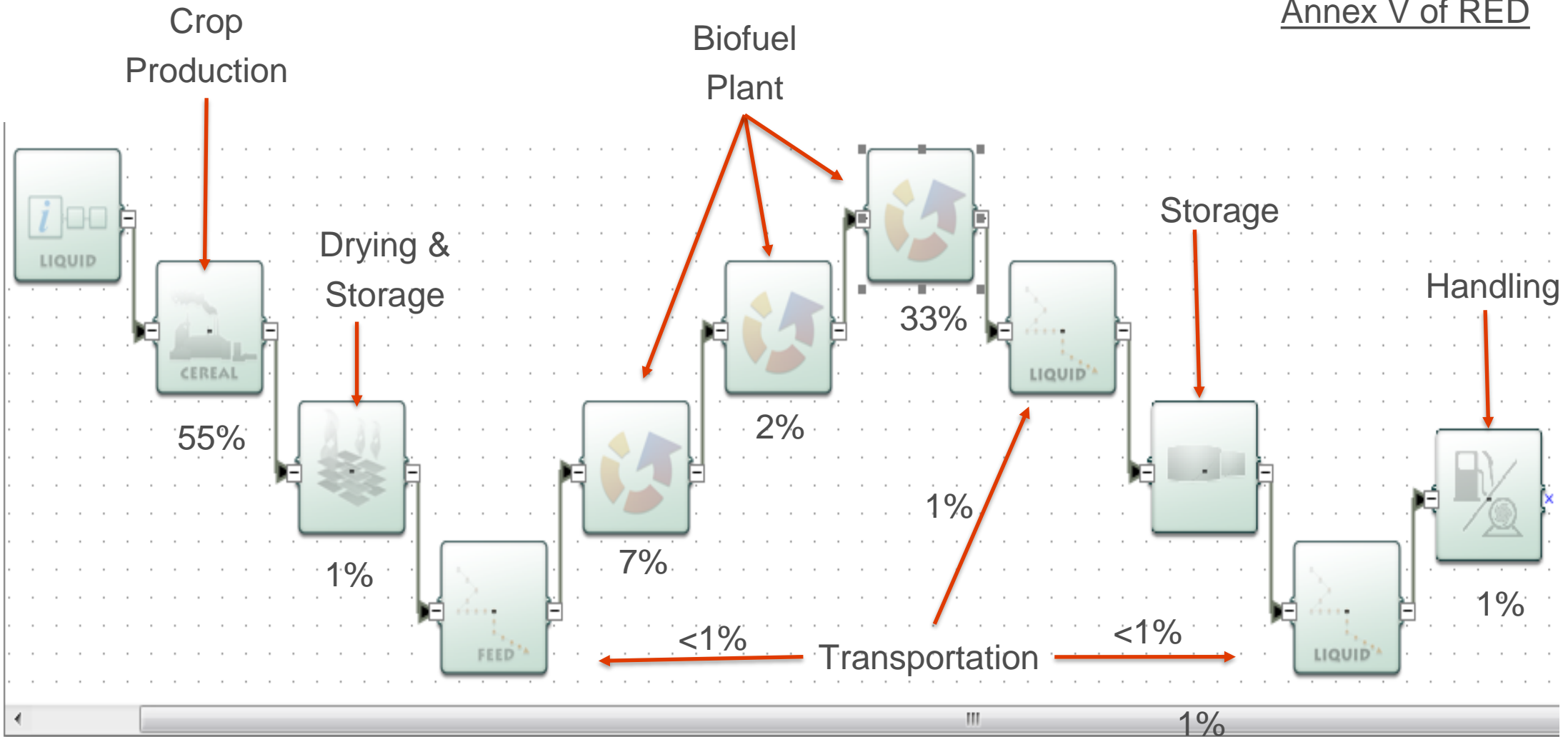
- National policy
 - *E10 (SI 142 of 2023)*
 - *B12 (in 2025)*
 - *B20 (in 2030)*
- *EU*
 - *RES-T*
 - *Advanced biofuel obligation*
 - *Limit on crop-based feedstocks*
 - *Limit on certain wastes*

GHG emissions



GHG EMISSIONS

Annex V of RED



Module: **Biofuel plant or oilseed crush / mill**

Intermediate results:

Conversion country of origin: **Ireland, Republic of**
 Product produced by this module: **Biodiesel ME**
 Plant yield: **0.9615 Tonnes(output)/Tonnes(input)**

Total for this module: **631 kg(CO₂e)/t(output)**
 Contribution of this module to fuel chain: **631 kg(CO₂e)/t(biofuel)**
 Percentage contribution to chain: **33 %**
 Total emissions up to this module: **1890 kg(CO₂e)/t(output)**

RENEWABLE FUEL TYPES

- Current

- Biodiesel (FAME), HVO, CHVO
- Bioethanol, biomethanol, co-processed biogasoline
- BioLPG
- BioCNG (biomethane)
- SAF

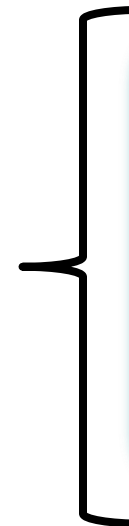
- Future

- RFNBO (renewable fuels of non-biological origin)
- RCF (recycled carbon fuels)

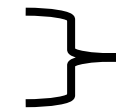
- Electricity



Biomass



GHG emission savings
Biodiversity
Carbon stock



Electricity



GHG emission savings
Additionality
Temporal correlation
Geographical correlation₈



An Roinn Iompair
Department of Transport

Credit for Renewable Electricity in Transport in the RTF Obligation on Fuel Suppliers (EU 2023 2413): Policy and Legislation

NORA meeting with CPO & Stakeholders

12:00 - 13:00

Andrea Lennon

26 June 2024

What's new in RED III RES-T – renewable electricity



- ❖ That renewable fuel and renewable electricity supply in the transport sector be rewarded by Member States and used to fulfil obligated fuel suppliers' targets. Art 25.4



ONGOING consultation with NORA and ZEVI on structures and processes for administration of future RTFO certificates for renewable electricity supply in transport.

Consideration of CPO as beneficiary of the RTFO Certificate award, requirement to consult with the sector more broadly on an agreed administrative approach.

Provide for RTFO certificates award for supply of renewable electricity in transport at public charge points.

Counting of renewable electricity & award of additional certificates



- ❖ Art 27.1(c)(iii) renewable electricity can be counted as the amount of electricity supplied times **the average share of renewable electricity supplied in the two previous years**. Electricity from a direct physical connection to an installation generating renewable electricity is **counted as fully renewable**.
- ❖ Art 27.2 (d) The share of renewable electricity can be considered **4 times its energy content when supplied to road vehicles**.

The award of RTFO certificates will place the onus on CPOs applying for the certificates to supply verifiable data concerning the relevant renewable electricity consumption.

Consideration is being given to the award of additional RTFO certificates for supply of renewable electricity to further align with RED multiple counting of renewable electricity for supply in road transport.

Implementation: Legal and Administrative Process



- ❖ Implementation of RED III RES-T will require:
 - a) legislative amendment of the National Oil Reserves Agency (NORA) Act 2007 inserting a provision for award of RTFO certificates by the NORA for renewable electricity supply in transport (via public charge points), as well as,
 - b) updating processes and building new capacity for administration for the award of certificates for renewable electricity in transport.

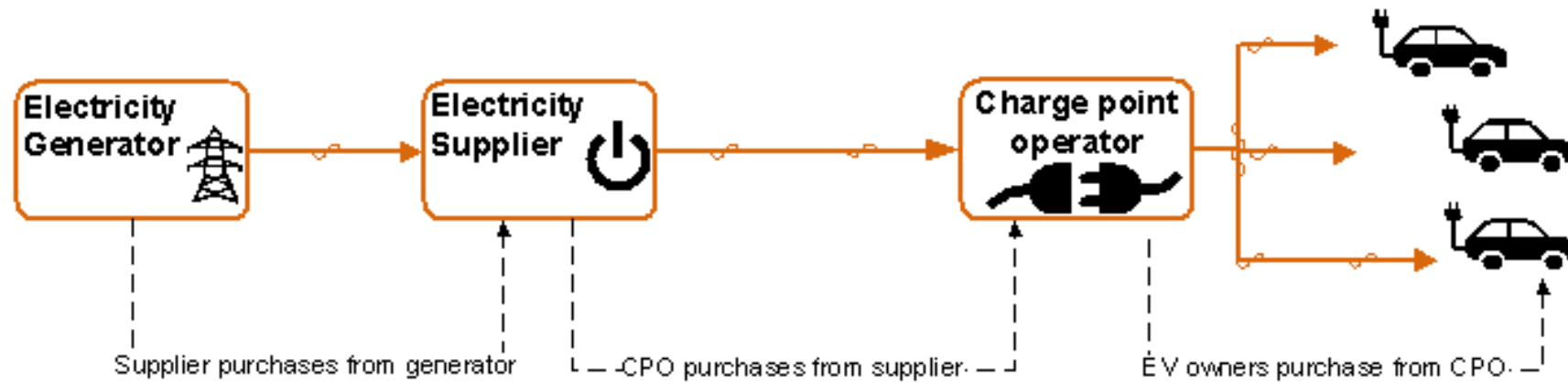




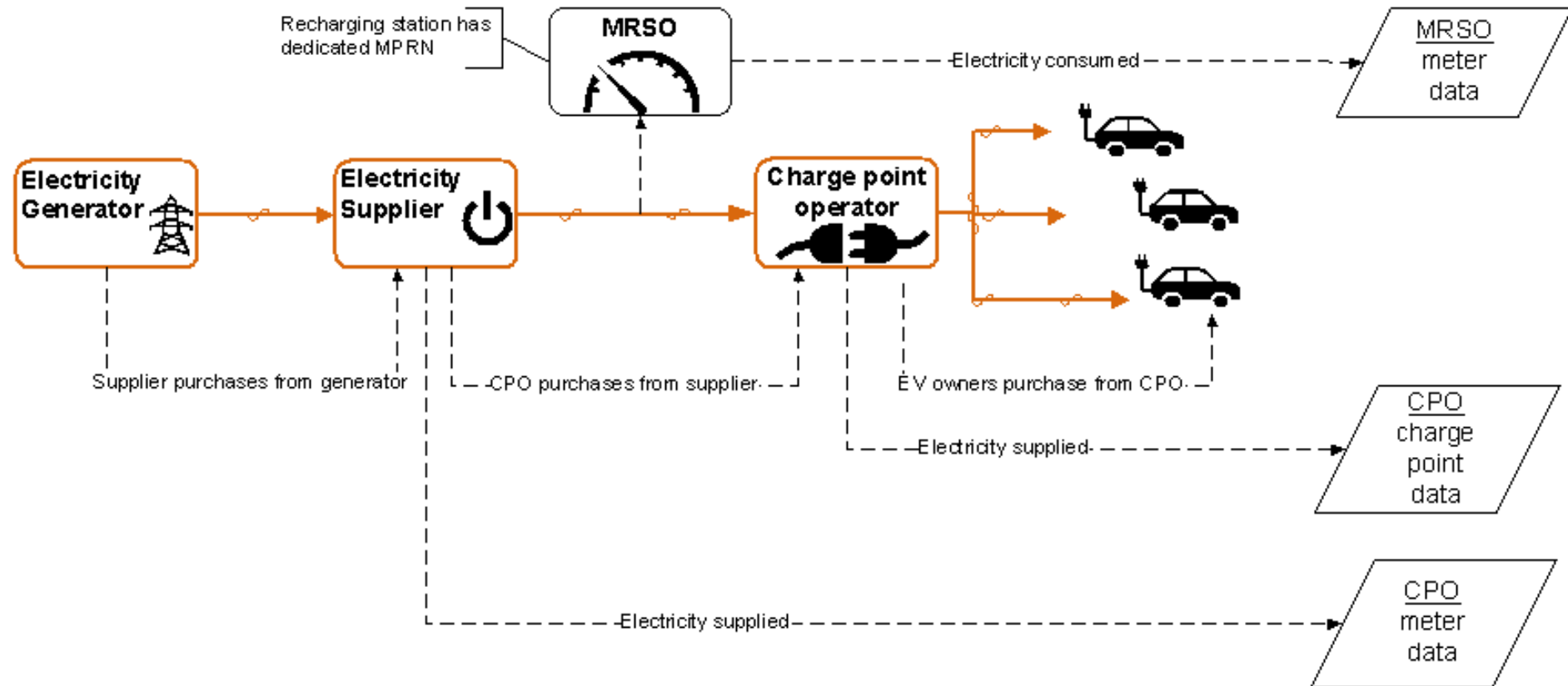
Thank You

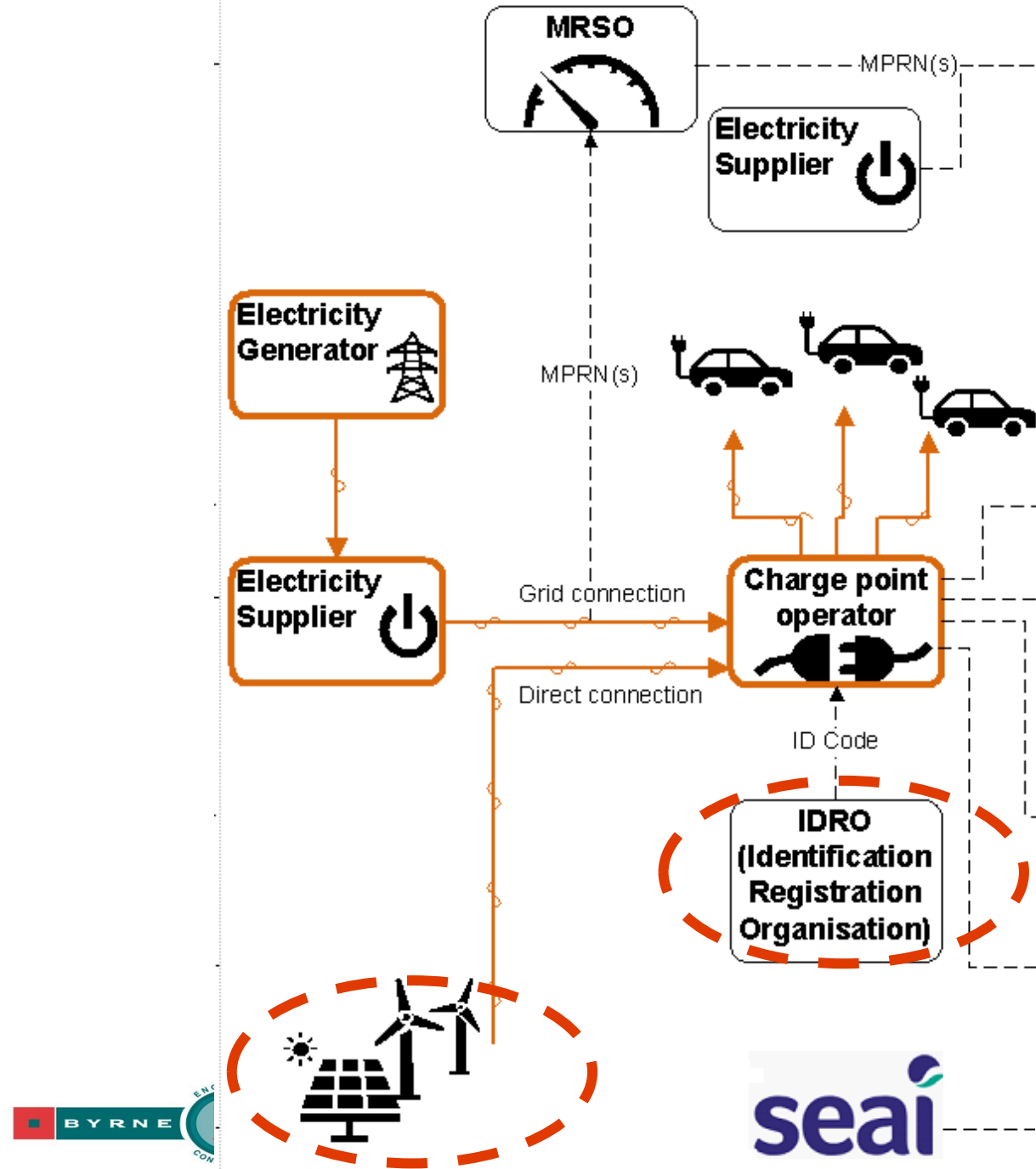
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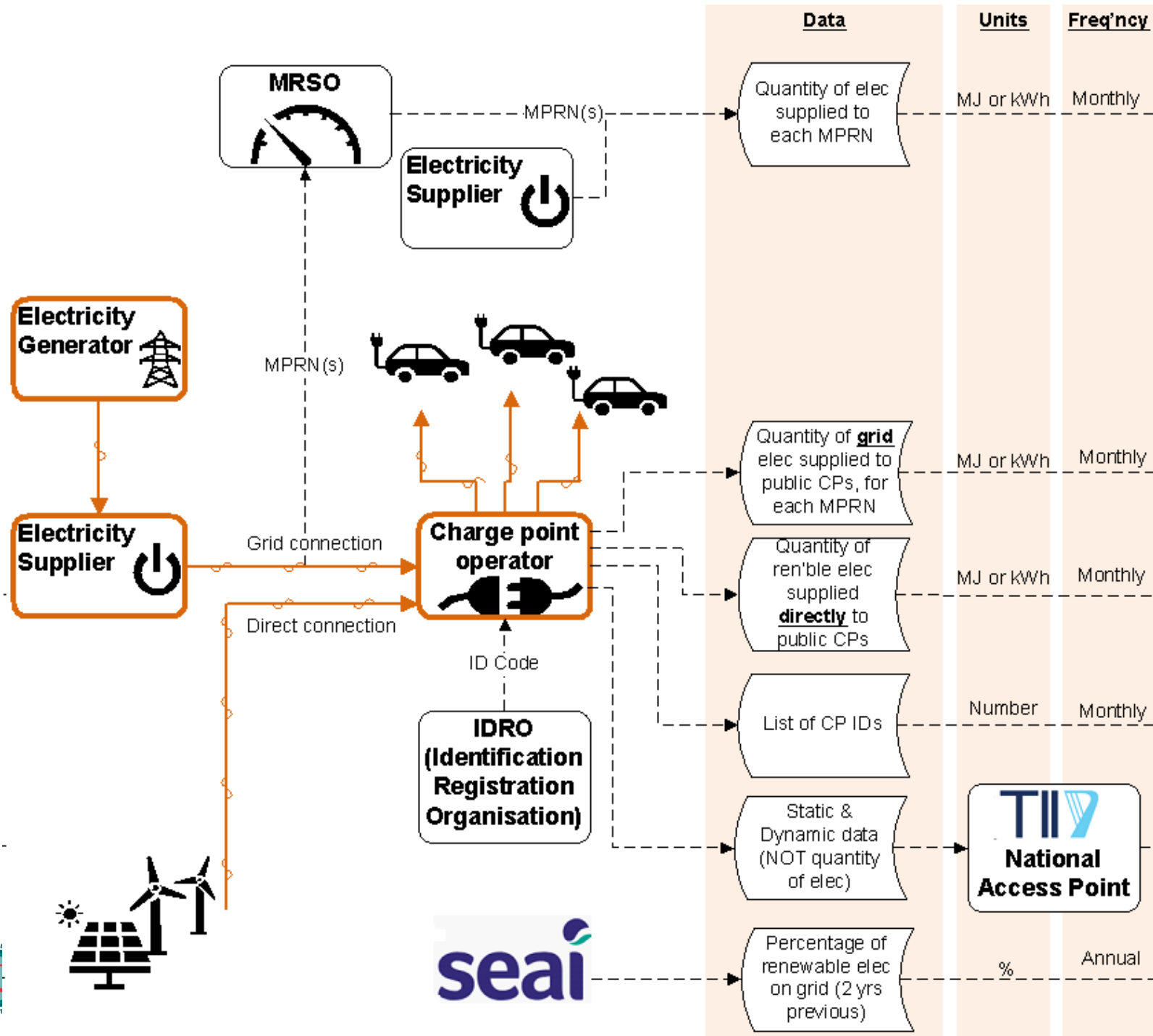
RENEWABLE ELECTRICITY VIA PUBLIC CHARGING

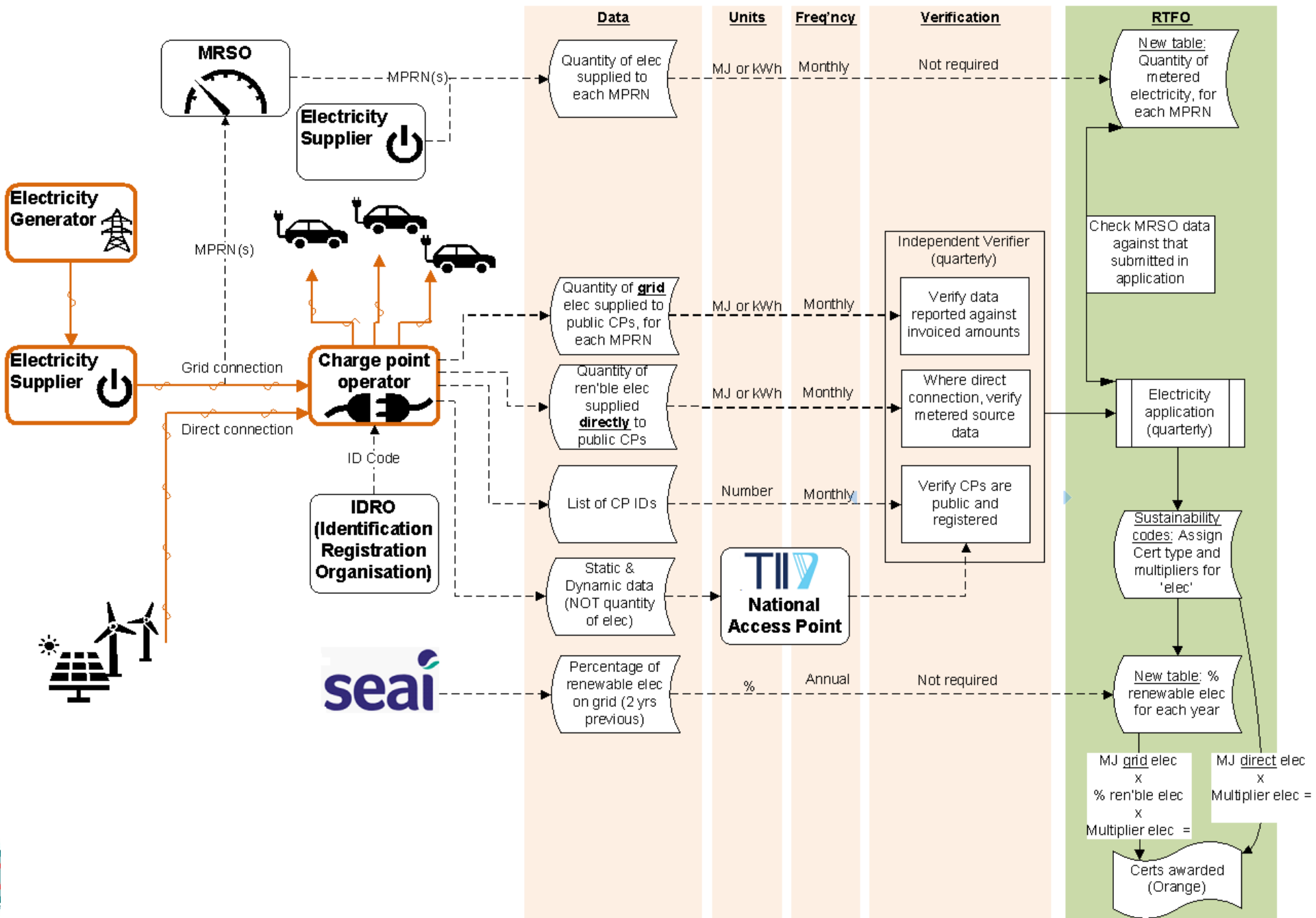


RENEWABLE ELECTRICITY VIA PUBLIC CHARGING









NEXT UP



-- Thank you for your attention --