

Renewable

Long Duration Energy
Storage: a dispatch down
solution





RenewableNI is the voice of the renewable electricity industry in Northern Ireland.

Engaged in wind, solar, and battery storage, our members make up a large majority of the renewable industry supply chain.



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Our People



Tamasin Fraser
Chair



JUDITH RANCE
Head of Communications
and Events



SHANE CORCORAN
Policy Analyst



SARA TINSLEY
Deputy Chair



MADELEINE CLARKE
Policy Analyst

Our Values



Trusted (How we are seen)

We are professional, confident and expert, and we hold ourselves to account.

Passionate (How we feel)

We are committed to the renewables sector, proud of what we achieve with and for our members, and stand by our beliefs.

Collaborative (How we behave)

We work together to build strong, supportive and diverse relationships, excellent member and customer service and clear communications.

Innovative (How we think)

We are intellectually curious, creative in our thinking, and willing to challenge the status quo.

Our Ambition



ZERO BY 2035

The International Energy Agency (IEA) states that all advanced economies must achieve zero carbon electricity by 2035. UK government policy has now set out its mission to deliver a CleanPower system by 2030.

Northern Ireland has a world-leading wind resource and should now proceed with similar ambition and set a Clean Power by 2035 target.

80 BY 30

We currently have a 18GW renewable capacity. The NI Climate Change Act set a target of 80% renewables by 2030. This will require more than doubling the renewable electricity generation to meet the growth in demand as we electrify heat and transport.



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Our Members

**ABO ENERGY**

**ENERCON**
ENERGY FOR THE WORLD

**energia**
Renewables

**ERG**



**ESB**

Energy for generations

**HHT RENEWABLES**
investing in clean energy

**res**
power for good

**sse**
Renewables

United Renewables

**CARSON McDOWELL**

**CIP**
Copenhagen Infrastructure Partners

**dswds**
ENERGY SOLUTIONS

**E Power**

**GREENCOAT UK WIND**

**INVIS ENERGY**

lightsourcebp

**bp**

**North Channel Wind**

**omnipower**
RENEWABLES

**OW**
OCEAN WINDS

**Realise**
Energy Services

**SCOTTISHPOWER RENEWABLES**

**MullanGrid**
CONSULTING

**ne**
ENVIRONMENTAL

**Cleaver Fulton Rankin**

**Belfast Harbour**

**DRUMLIN WIND ENERGY CO-OPERATIVE LIMITED**

**Turley**

**rps**

**GRAVIS**
PLANNING

**KPMG**

**TC Town Planning**
TOWN AND COUNTRY PLANNING CONSULTANTS

**H&MV**
ENGINEERING

**action renewables**
CELEBRATING 20 YEARS

**Pinsent Masons**

**Simply Blue Energy**

**FLO GAS**
Energy for Enterprise

**green energy wind**

**everun**
Powering the future of business

**CONERICKPOWER LIMITED**

**Hydroplan**

**Statkraft**

**A&L Goodbody**

**DSG**
DOYLE SHIPPING GROUP

**JUNO**
PLANNING & ENVIRONMENTAL LIMITED

**STRATEGIC POWER PROJECTS**

**TLT**

**aircore**

**3T**

**JOULEN**

**NTR**
Securing a Greener Future

**western power**

**NetreEnergy**

**Advance Energy**

**Alerion**

**Orsted**

**NTR**
Securing a Greener Future

**DP ENERGY**

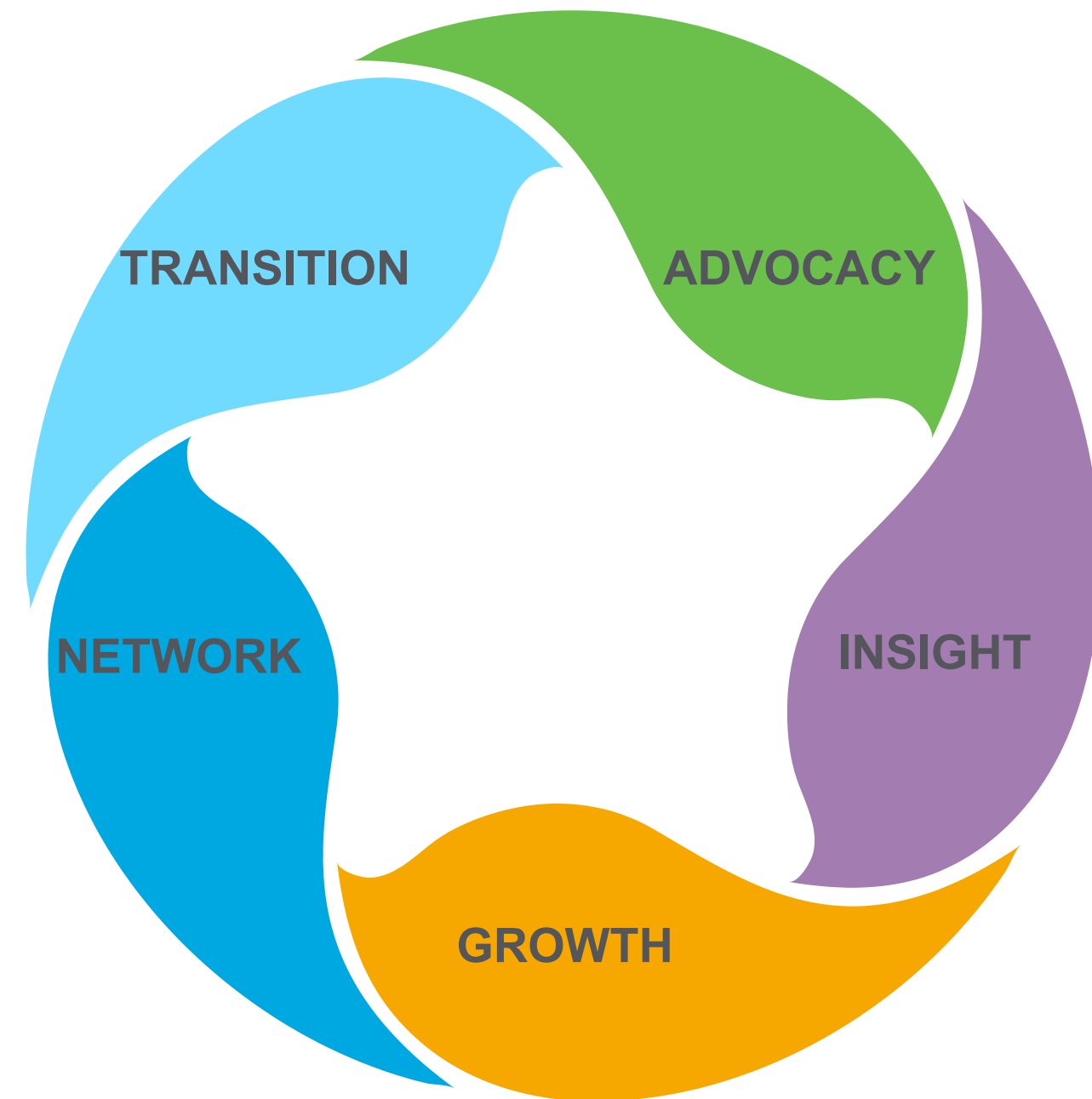
**rengen power**

William Orbinson KC

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Our Member Benefits

- Advocacy on the renewable sector's behalf, ensuring elected representatives continue to listen to our members and their needs.
- Providing members with the best information and resources to ensure they can help build a cleaner future, including access to the latest RNI publications, research papers and reports.
- Influencing policymakers and public opinion with evidence-based intelligence and insight.
- The opportunity to network with other leading businesses in the renewable energy sector.



RNI Member Forums

- Strategic Council
- Steering Committee
- All Island Markets Committee
- NI Markets Working Group
- Grid Working Group
- Grid Capacity Working Group
- Constraints Working Group
- Offshore Working Group
- Planning Working Group
- Distributed Generation Working Group



Our Evidence



www.RenewableNI.com/policy

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Steps to Clean Power by 2035

1. Accelerating Renewables Taskforce
2. NI Renewable Electricity Support Scheme
3. Reduce Planning Timelines
4. Planning Policy Reform
5. Anticipatory grid investment
6. Crown Estate Leasing Round in 2026



Dispatch Down

- In 2024, dispatch down in Northern Ireland reached ~30%, with wind generation facing an exceptionally high 26.4% constraint level.
- So far in 2025, overall dispatch down for wind assets stands at 21%, with wind constraints at 18.1%. These persistently high levels of constraint are resulting in the loss of clean electricity, hindering progress towards the 80% by 2030 target and wider net zero goals.
- For developers, curtailed output cuts revenues and undermines project viability, while high levels of uncertainty deter new investment. As a result, dispatch down threatens both existing projects and future growth - putting Northern Ireland's renewable ambitions and energy security at risk.



Reducing Dispatch Down

Cutting dispatch down requires a combination of grid upgrades, smarter system operation, and new technologies that can absorb and shift renewable output. Among these, LDES stands out as a key solution.

LDES can:

- Store excess renewable electricity when the grid is constrained
- Release power back during periods of high demand
- Improve system reliability and reduce fossil fuel reliance

By reducing grid constraints and improving efficiency, LDES can play a vital role in Northern Ireland's longer-term net zero ambitions.



Seminar Series

Next session:
Tuesday 2 December.

Women in Renewables Mentoring

Next session begins 25 September
Mentors and mentees needed, learn more at
RenewableNI.com/mentoring

‘Starting in the Middle’ networking session in
October.

Smart Energy

Springing forward to Thursday 26 March 2026
Europa Hotel Belfast.
Sponsorship and exhibition opportunities now open.



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Thank you

Sara Tinsley
RenewableNI Deputy Chair



linkedin.com/company/renewableni/



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