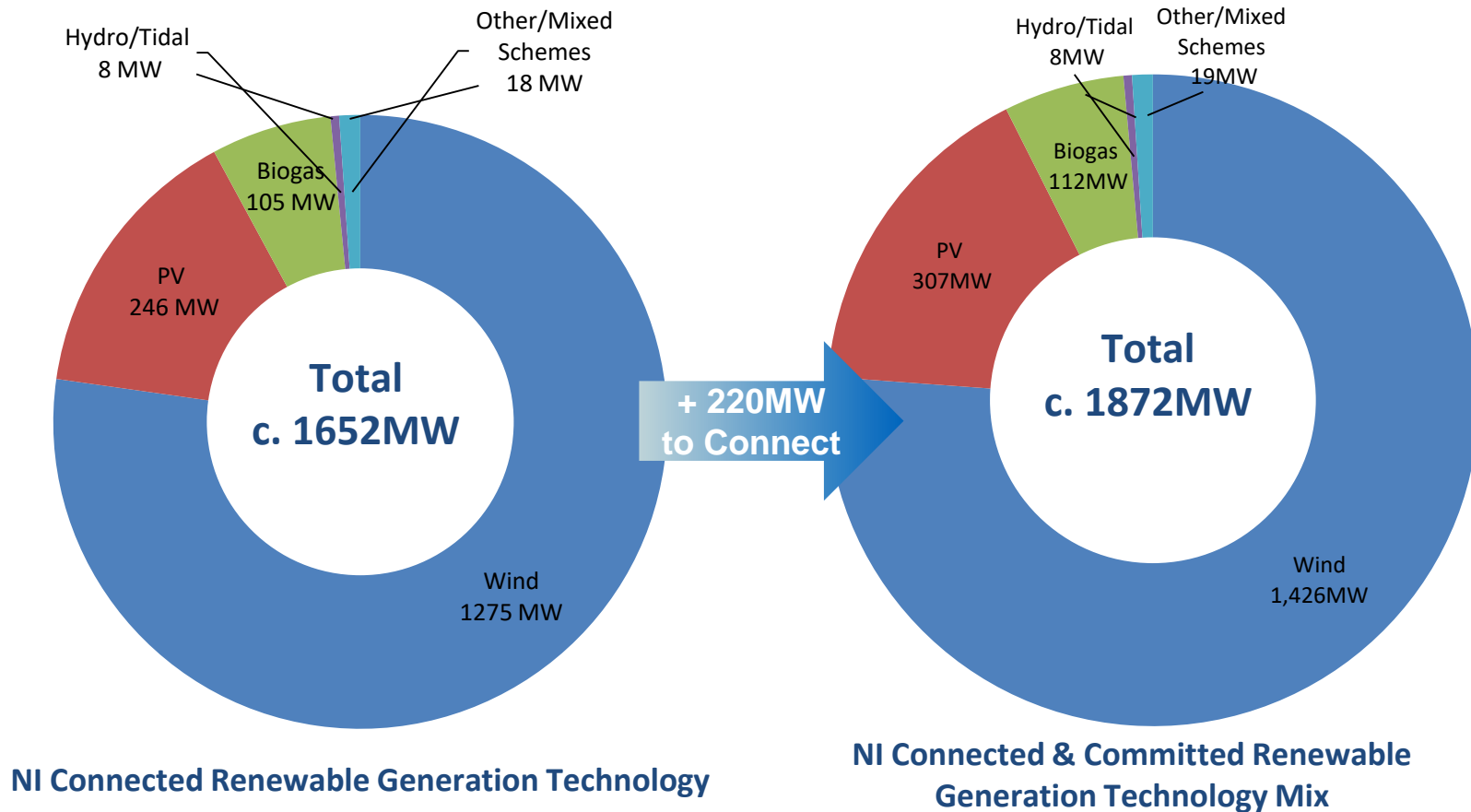


RENEWABLE STATUS UPDATE

RGLG 21st May 2019

Renewable Generation Status – Q1 2019



Transmission Applications & Offers

RGLG

21st May 2019



Project Name	Developer	MEC/MIC
<i>Applications</i>		
Castlereaigh 50MW BESA	Viridian Renewables Company 1 Limited	50MW MEC & MIC
Islandmagee Gas Storage	Costain Oil, Gas and Process Ltd.	34.75MW MIC
<i>Offers Issued</i>		
BPS 100MW BESA	AES Ballylumford Limited	100MW MEC & MIC
Atlantic Gateway	Atlantic Gateway Property Ltd.	100MW MIC
Curraghamulkin Wind Farm (also called Dooish)	DW Consultancy	42MW MEC
Belfast Power Limited	Evermore Energy	489.6MW
Drumkee Battery Storage	Low Carbon	50MW MEC & MIC
Mullavilly Battery Storage	Low Carbon	50MW MEC & MIC
KPS 50MW BESA	AES Kilroot Limited	50MW MEC & MIC



Consultation on NIE Networks Providing Non-Firm Distribution Offers

Connections Innovation Working Group

May 21st 2019

Connections Innovation Working Group

- CIWG formed to consider the connection of further generation to the distribution system
 - Absence of further target presents uncertainty around supporting investment
- Technical & Commercial impact analysed and discussed
- Joint paper developed to consult on NIE Networks issuing non-firm offers to connect to the distribution system

Key Messages

Paper sets out overview of analysis and discussions including:

- System capacity and implication of Firm Access
- Managing the system – curtailment and the impact of uncontrollable generation
- Analysis – additional generation and its impact on constraints and curtailment
 - Constraints will increase without additional network build
 - Curtailment will increase and not subject to grandfathering

Consultation Questions

- Should the status quo be maintained in relation to distribution connection offers until new RES policy is implemented?
- Should distribution offer process change to enable the issue of non-firm offers to LSG generation?
- Should the amount of new offers be limited?

Next Steps

- Consultation paper to be published in early June 2019
- Industry Workshop late June/early July
- Decision Paper September

Contestability Update

Distribution and Transmission

Update on TDPNI and Renewable Developments

RGLG – 21 May 2019



G59 ROCOF IMPLEMENTATION PROGRAMME

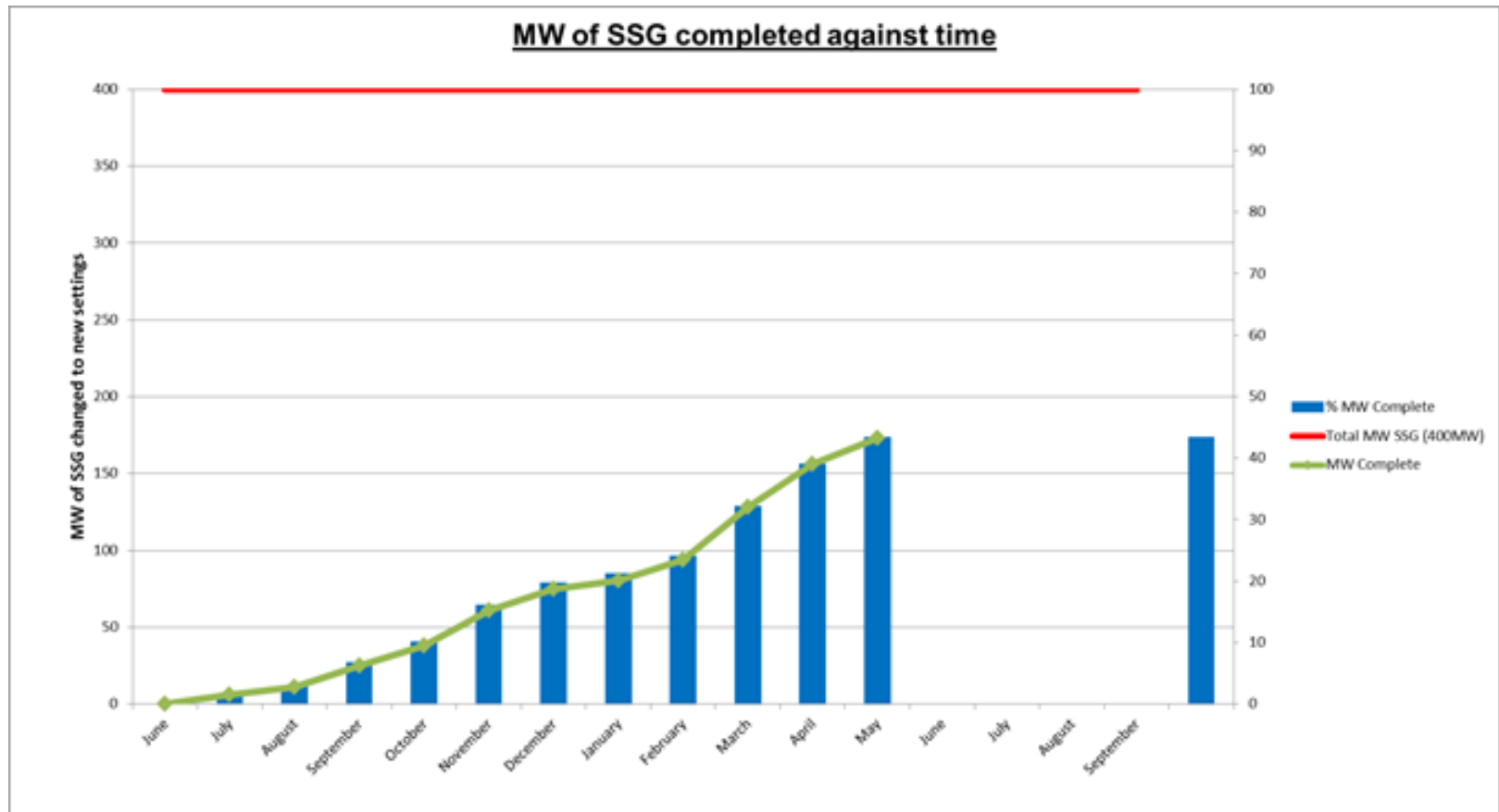
RGLG Update 21/05/19

- All LSG sites >5MW have been changed to new RoCoF setting
- 1120 MW of 1Hz/s RoCoF compliant Large Scale Generation (including sites that have connected since the programme started)
- 68 LSG sites have been changed

- **Letters requesting G59 changes sent out 01 June 2018**
- **SSG owners to acknowledge receipt**
 - Online or by return pre-paid envelope
- **For assurance purposes SSG owners to use G59 approved contractors**
 - List of approved contractors on NIE Networks website
- **G59 approved contractor list established following procurement exercise**
 - c22 contractors on list
- **SSG owners to make the changes by 30 September 2019**
- **Costs associated with making the changes borne by SSG owners**

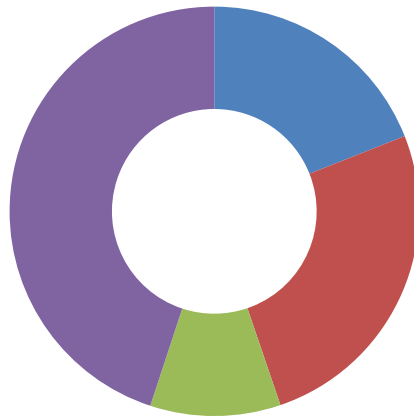
- **Currently engaged in programme**
 - 1261 SSG's (90%) – 371 MW (93%)
- **Already changed**
 - 551 SSG's (40%) – 174 MW (44%)

SSG RoCoF – Current Status



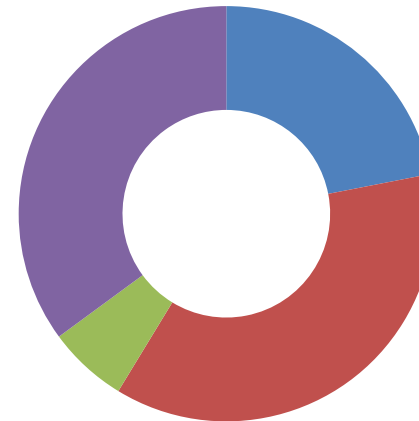
SSG RoCoF – Current Status

Changes Complete (MW)



BioGas	33
Diesel	45
PV	18
Wind	78

Not Complete (MW)



BioGas	49
Diesel	82
PV	14
Wind	79

■ BioGas
■ Diesel
■ PV
■ Wind

- Non-responders
 - Initial letter followed by October, February & April reminders
- Responders
 - Initial letter followed by February and April reminders
- March – Four Information Evenings
- May – 2 additional information evenings
- May – G59 presence at Balmoral Show
- July – Final reminder to all SSG's not changed
- October – De-energisation notices to all SSG's not changed
- Dedicated G59 email address >600 contacts
- Dedicated phone number – 60 contacts following April reminder letter

- All SSG's have to comply with the D-Code
 - UR and DCRP have confirmed this
- After 1st October non-compliant SSG's will be subject to de-energisation notices
- Initial discussions with Ofgem re subsidy payments to non-compliant SSG's
 - UR involvement in further discussions
- Initial discussions with DfE re approach to SSG's who are subject to Connection Agreement termination notices
 - UR involvement in further discussions

- NIE Networks expect there to be a significant number of SSG's and MW changed by 30th September 2019
 - Based on high level of engagement so far
 - Continued direct correspondence with SSG's
 - Impact of information evenings
 - Impact of clear messaging on the implications of non-compliance
 - De-energisation, Ofgem, DfE and supplier contract implications

EU NETWORK CODES

RGLG Update 21/05/19

EU Codes that affect NIEN & its Customers

- Requirements for Generators (RfG) – significant impact for new generation connections
 - EIF May 2016, Generators connecting after 27th April 2019 must comply with RfG
- Demand Connection Code (DCC) – Only applies to new demand at distribution which intends to provide demand response
 - EIF Aug 2016, compliance required by Aug 2019
- System Operation Guide Lines (SOGL) – Mainly deals with how TSO operates the transmission system
 - EIF August 2017, majority of articles become active at 12, 18 and 24 months, small number of articles effective immediately

RfG Implementation - Update

- TSO/DNO consultation report on the proposals for General Application of RfG Requirements for NI approved by UR on 16th November 2018
- The agreed parameters have been updated to the draft G98/NI, G99/NI, D Code & PPM Setting Schedule documents
- Joint consultation on all 4 documents was issued early 10th January 2019 and closes on 15th February 2019
 - Consultation focuses on document structure and new legal text only:
 - New RfG requirements are now required by law
 - The parameters have already been consulted on and approved
- Consultation report submitted to UR
- UR Approval for all documents 26th April 2019
- All documents available on NIE Networks website
 - <https://www.nienetworks.co.uk/distribution-code>

G98/NI – Applies from 27th April 2019

- G98/NI replaces G83
 - Covers type tested generators up to 16A/phase
 - Also covers multiple premises in a close geographic area
 - Also covers generators <800W and storage but RfG specific requirements will not apply to these types
 - Non-type tested generators will be referred to G99/NI (G59 replacement)
 - Includes changes as a result of feedback in GB
 - Includes parameters from the RfG consultation

G99/NI – Applies from 27th April 2019

- G99/NI replaces G59/1/NI
 - Covers type tested generators >16A/phase and <100kW
 - Covers all non-type tested generators
 - Includes all technical and compliance requirements for Type A and Type B generators
 - Includes all technical requirements for Types C & D generators, PPM compliance requirements will be detailed in the PPM setting schedule
 - Includes changes as a result of feedback in GB
 - Includes parameters from the RfG consultation

D Code (Issue 5) – Applies from 27th April 2019

- D Code legal text changes required to take account of RfG
 - Includes changes as a result of feedback in GB
 - Includes parameters from the RfG consultation