

Issues with Hybrid Units

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Liaison Group- 7th June 2017



Background

- A number of developers have expressed an interest in having:
 - Different generation technology types (e.g. wind and solar technologies) behind one connection point
 - Sites comprising of generation and demand behind one connection point
- Through a modification to their CA, a developer will be permitted to install up to 120% of their MEC but will not be allowed to export in excess of their MEC



Hybrid Issues

- A document has been drafted to capture all potential EirGrid Group issues with Hybrid Units e.g.
 - Controllability/dispatch arrangements/signals required
 - Metering
 - Modelling/technical studies
 - SEM/ I-SEM treatment
 - Grid Code and T&SC mods etc.
- Document input given by departments across EirGrid Group

Conclusion

- There are areas identified that will need to be explored further:
 - Market arrangements
 - Dispatch arrangements
 - EMS
 - Control centre tools, policies & performance monitoring
 - Grid Code/D-Code Mods

Conclusion

- The solutions to these problems need to be explored in parallel with the issues of:
 - Over-Installation
 - Small-Scale Generation



Next Steps

- Get TSO-DSO agreement
- The EirGrid Group Hybrids paper will be used to highlight these issues
- Seek WG expressions of interest from:
 - Grid Code Review Panel
 - Trading and Settlement Code Mods Committee
 - Liaison Group (Ireland)
 - Renewables Grid Liaison Group (NI)
- Circulate ToR to WG

Next Steps

- Expressions of interest submitted 23rd June
- By Next Liaison Group:
 - WG formed
 - Kick off meeting held
 - Agree ToR of WG
 - Agree timeline with WG members for resolution of issues

Questions?

