

Irish Farmers Connecting to the Grid 26th January 2021



MullanGrid Consulting

- Electrical engineering consultancy specialising in grid connections for renewable generator installations
- Ongoing projects in Ireland & Northern Ireland
- Technical Advisor and Due Diligence Advisor for large capacity of wind & solar generation projects
- Technical advisor on c.70MW of NI Solar Projects
- Experience of Gate 1, 2 & 3, Non-GPA & ECP-1
- Represented on IWEA IWEA, NIRIG, ISEA Grid Committees, & DS3 Advisory Councils

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Connecting to the Grid

- How many kW of generation are you connecting?
- Do you want to export from the site?



Connection offer Processes

- Micro Generation
 - 6kW (Single phase) or 11kW (three phase)
- Zero Export
- Small Scale Generation
 - 11-500kW export
- Auto-production
 - Self generation with some export
- Community Projects
 - 500kW-5MW
- Large renewable projects
 - 500kW +

<https://www.esbnetworks.ie/new-connections/generator-connections/community-led-renewable-energy-projects>



Will my connection be feasible?

- Depends on ...
 - Export capacity required
 - Proximity to grid
 - Available capacity considering existing generation
 - Cost of any grid upgrades
- ESB Networks provide some network information
<https://www.esbnetworks.ie/network-capacity-map>
- Consider getting grid feasibility study complete

