

# Irish Farmers Connecting to the Grid

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# 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

