



Creating a Smart-Grid Green Hub.

Our Vision

- ▶ To make Edenderry a Smart Grid/Green Hub town - a flagship national example of an energy efficient community.
- ▶ Greatly reduce household reliance on peat (5 times the national average)
- ▶ Drive technological innovation - including District Heating Schemes, Micro-Grids, hydrogen technology
- ▶ Provide Homes, businesses and community groups with innovative, lower cost opportunities to reduce their carbon footprint and energy costs
- ▶ Assemble a team of voluntary national and international experts to help us pull together as a community, improve the energy performance of our buildings & leverage the renewable resources on our door step (wind farms)
- ▶ Leverage our Green image to attract industry into the town.

Who We Are

- ▶ Edenderry Tidy Towns
- ▶ Edenderry Chamber of Commerce
- ▶ Offaly County Council
- ▶ Edenderry Municipal Council
- ▶ Smart Grid Ireland
- ▶ Bord Na Mona
- ▶ Craoi Laighean Credit Union
- ▶ Powerhouse Energy
- ▶ Green Offaly

How We Do It

- ▶ **Energy Master Plan - funded by SEAI**
- ▶ Desk top analysis of energy usage
- ▶ Energy audits - homes, businesses and community buildings
- ▶ Energy Data Collection
- ▶ Review of Data
- ▶ Produce a register of opportunities.

How We Do It

- ▶ **Full Feasibility Study- funded by JTT**
- ▶ Energy Audits to investigate district ,peer-to-peer heating schemes
- ▶ Investigation of potential for micro-grids.
- ▶ Explore all strategic relationships, eg: Eirgrid, Bord Na Mona and map out what supports are available.
- ▶ Consider future zoning and planning and its proposed impact on energy and lifestyle.
- ▶ Investigate hydrogen in transport
- ▶ Develop a robust working model, using all available technologies, for a sustainable town in Ireland that is replicable and scalable and that seeks to eradicate fuel poverty in Edenderry.
- ▶ Consider wider sustainability elements such the circular economy, impact on the desirability of Edenderry as a place to live and attract new inward investment
- ▶ Explore all avenues for future funding as part of delivering the proposed plan for the future eg: local,national, European, Global, public & private.

Steering Committee

- ▶ Chair - Bob Hanna, CEO Smart Grid Ireland
- ▶ Vice-Chair - Councillor Noel Cribben, Vice-Chair Edenderry Tidy Towns.
- ▶ Treasurer - James Kelly, CEO Clever Energy Consulting
- ▶ Operations - Malcolm Emergy CEO Powerhouse Energy
- ▶ Liaison - Tom Earl, Edenderry Power
- ▶ Marketing PR: Conor Quinn, former editor RTE News.
- ▶ Finance - Bank of Ireland, Croi Laighean Credit Union, Energy Brokerage.