

Lisdoonvarna Sustainable Energy Community, Co Clare Ireland

The objective of this feasibility study is to assess the potential for renewable energy application at a number of facilities owned by Lisdoonvarna Fáilte, assess the requirement and cost for environmental impact assessment studies, and to conduct a lifecycle cost-benefit analysis, with a view to determine the technical and financial feasibility of the following selected sites:

- Crèche, Pavilion
- Dance Hall, Pump House, Bath House/Spa Well
- 50 acres of associated woodlands.

The mission of Lisdoonvarna Fáilte Ltd is to manage the assets and associated amenities for which it has vested interests in behalf of the community. A substantial array of land and buildings, historical and modern, are held in trust for the people of Lisdoonvarna.

Aims

The goal of this Feasibility Study was to determine which technologies has the most potential to be feasible from both a technical, environmental and an economic perspective.

Results

All sites and associated buildings were surveyed, all energy usage analysed, all potential upgrades and renewable energy opportunities detailed. All associated costs, planning implications, and funding opportunities were listed for all locations.

There is potential to save energy at all of the sites. Renewable energy solutions include: heat pumps, small scale wind, solar PV, hydro-power, and biomass.

Next Steps

Design and detailed specification of upgrade works, prepare tendering package, including supply & installation with provisions for future repair & maintenance.

Check with local authority for planning permissions requirements and apply accordingly.

Funding options now need to be assessed at each of the locations. Grants are available in Ireland through the Better Energy Communities programme that is run by the Sustainable Energy Authority of Ireland.



Highlights

- There is potential to save energy in all of the selected sites
- 50 % energy savings are possible in the Crèche with a capital investment of €1,000 and a 6.6 year payback
- Opportunity for 50% funding through the Better Energy Community programme.



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Local Energy Communities

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Community Based Energy Solutions
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