

The logo for WARAS, featuring the letters 'w', 'a', 'r', 'a', 's' in a stylized, interconnected font. The 'w' and 'a' are blue, while the 'r', 'a', and 's' are orange.

water asset renewable
energy solutions



Northern
Periphery
Programme
2007–2013

Innovatively investing
in Europe's Northern
Periphery for a sustainable
and prosperous future



Group Water Schemes

- Background to Group Water Scheme
- WARES Pilots
 - Killaturley
 - Kilmeena



Group Water Schemes

- Group Water Schemes (GWS) are independent community owned enterprises providing piped supply water to rural areas where no such supply existed.
- 5,500 GWS supply 170,000 households or 10% of the population
- 234 schemes in County Mayo

Water Supply in Rural Ireland

- Prior to 1950s, no piped water supply outside towns and cities
- 1960s-1970s growth of GWS





Killaturley GWS

Serves 400 households

>150 connections

Co-operative Limited Company

Full Time Manager

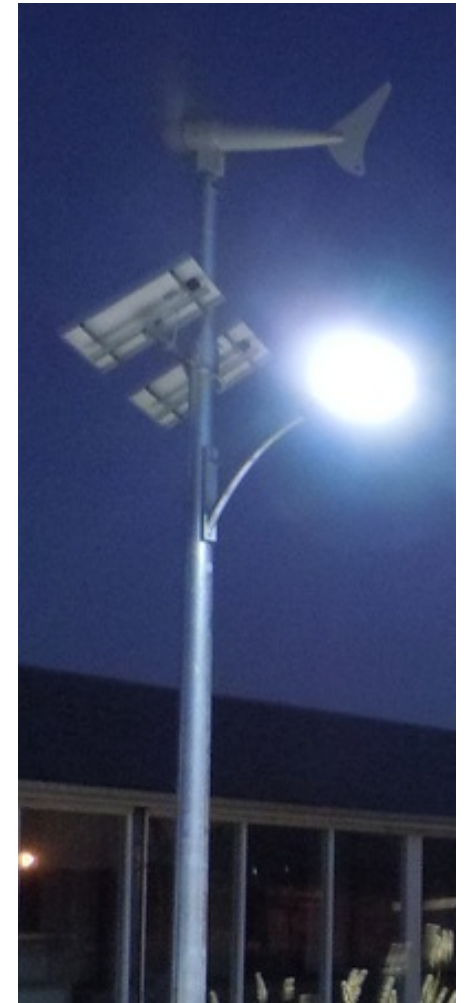
Assets-treatment plant, pump house, storage, reservoir





Killaturley PV Pilot

- 25kW/3KW
- Capital costs €42,500/€5,100
- Payback 17 years



Currently assessing smaller PV project and standalone PV lighting

Kilmeena GWS

- Serves 405 households
- 550 connections
- Co-operative Limited Company
- Full Time Manager
- Assets-water treatment plant, reservoir, office
- Operates under DBO contract

[Video](#)

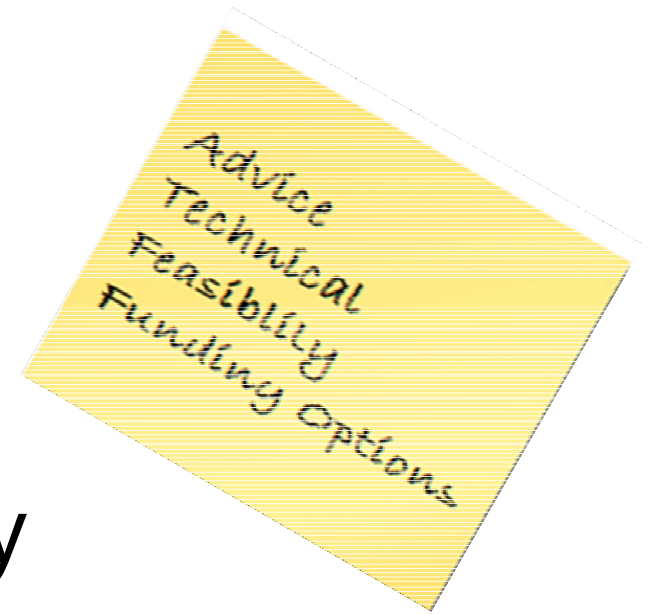


Kilmeena –PV Pilot

- 8kW (also 3.5kW)
- 56m² area
- Capital cost: €13,600
- Payback 13 years
- Plant use: 71%



Follow up Activities



- Further assessment-Killaturley
- Funding application-multiple GWS