

Dublin, Ireland

Project Name	Bunratty Road
Address	Coolock, Dublin 5
Year of construction	1967
No. of units	48 units
Project Status	Planning permission received



Photo



Summary

Dublin City Council is the building owner. The refurbishment of 16 flats will be a pilot scheme for some innovative technologies such as solar panels and supply-air ventilation system and energy efficient features such as heating system replacement and insulation specifications for the roof, floor, walls and windows.

Before Refurbishment		
Energy	186	kWh/m ² /yr
CO ₂	36	kg/m ² /yr
Cost	29,500 estimated	€/yr (incl all charges)

Target		
Energy	67	kWh/m ² /yr
CO ₂	13	kg/m ² /yr
Cost	10,600 estimated	€/yr (incl all charges)

Note: To adequately heat a typical flat using solid fuel, a tenant would have to spend approximately €613/year. The residents were unable to fully heat the flat to a reasonably comfort and used to heat one room only through solid fuel such as peat briquettes or coal. The installation of a highly efficient gas fired central heating system, together with the inclusion of additional insulation and other energy features, the projected figure to heat the whole apartment to a comfortable level is approximately €222. Energy and CO₂ figures before refurbishment are based on the assumption that the flat was heated adequately, which in practice did not occur.