Detached House, built 2001

Total Building Area (m2): 193

	BER Rating	Energy Value	Potential Energy Savings	Total Annual Space Heating	Space Heating costs per year
		(kWh/m2/yr)	€	kWh/yr	€/yr
Dwelling Current Condition	C1	178.90	-	34,528	€3,901.63
Dwelling Post Works	**A3**	53.00	€2,640.05	10,229	€1,261.58
CO2 Savings per year 14.37 Tonnes					
Equivalent Planted Trees	**1026**	**Trees**			

RECOMMENDED WORKS

Item	Recommendation	kWh/m²/yr	BER	MEDIAN Cost Nett Grant [1]
New windows with a u value of 1.2 **New Door with a u value of 1.5**	New windows double glazing with a u-value of 1.4 W/m2K New external doors with a U-value of 1.4 W/m2K	170.90	E2	€9,200
Roof	Insulation Pitched at ceiling .16 W/m2K and on slope .20 W/m2K, and room in roof on side 0.20 W/m2K, and on flat roof .22 w/m2K.	145.00	D1	€992
Walls	to 0.27 W/m2K average U-Value	122.00	C3	€15,800
Heating system and Controls	Install full time and temperature controls with 3 zones two heating and one HW. Install and air to water HP with a Seasonal Space Heating Efficiency, ηs / SCOP/A of 175 minimum and Water Heating Efficiency, ηwh 125 minimum. HW cylinder taken as 200L with a Declared loss of 1.5 KWH/day. As part of this upgrade, we have allowed for the blocking up of any and all open fires	53.00	B1	€9,100
TOTAL COST €				€35,092
SIMPLE PAYBACK YRS				13.29

[1] These costs are net of SEAI and are based on a SEAI survey of actual retrofit works carried out by certified contractors in 2024

The house pictured is not the actual home surveyed, but it has the same characteristics