

**Case study:
School in Cork, 350Kw Boiler**



Biomass and Schools



Current property size:	10,000ft ² School Building	
Property age and heating:	1970s	
Heating requirement:	Heating and HW with 350kw Pellet Boiler	
Heating system:	radiators and water-to-air fan heaters	
Pellet costs :	4.69 cent /KWh	
	Net cost to heat (Oct 2010 prices)	
Oil costs:	8.05 cent /Kwh delivered	
	Net cost to heat (Oct 2010 prices)	
Projected heating demand:	240,000kwhs (8 hours a day for 24 weeks) (At average 250kw output)	
Projected heating costs	Biomass system:	11,256 Euro
	Oil:	19,320 Euro
Energy supply saving per annum	8,064 Euro	

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