

Standard Table: cost related to energy performance

Name/Acronym		Corresponding Name in D3.1	Description	Reference	Type of data	Unit	Reference to other sheets
<b>Cost_Related_To_Energy_Performance</b>		-	cost that shall be taken into account for calculation of the cost effectiveness of energy efficiency measures in buildings	EN 15459	-	-	-
<i>has</i>	<b>Initial_Investment_Cost</b>	<i>investment cost</i>	cost to be considered when the building (or a specified equipment) is delivered to the customer, ready to use. This cost include design, purchase of systems and components, connection to suppliers, installation and commissioning process. The initial investment cost is the cost presented to the customer	EN 15459	real	EUR ̄ EUR/m <sup>2</sup>	-
<i>is</i>	<b>Initial_Investment_Cost_New_Building</b>	-	initial investment cost for a new building	-	real	EUR ̄	-
<i>is</i>	<b>Initial_Investment_Cost_Refurbished_Building</b>	-	initial investment cost for a refurbished building	-	real	EUR ̄	-
<i>has</i>	<b>Wall_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Wall_Added_Insulation_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Roof_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Roof_Added_Insulation_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Window_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Skylight_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Ceiling_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Ceiling_Added_Insulation_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Floor_Added_Insulation_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Space_Heating_System_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Space_Cooling_System_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Domestic_Hot_Water_System_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Ventilation_System_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Lighting_System_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Energy_Generator_Cost</b>	-	-	-	logic	-	-
<i>has</i>	<b>Investment_Lifespan</b>		expected lifetime (number of years) of the building component	EN 15459*	integer	-	-
<i>has</i>	<b>Period</b>	-	time to which the value refers	-	string	-	"TIME"
<i>has</i>	<b>Running_Cost</b>	<i>running cost [new]</i>	cost comprising maintenance cost, operational cost, energy cost and added cost	EN 15459	real	EUR ̄ EUR/m <sup>2</sup>	-
<i>has</i>	<b>Maintenance_Cost</b>	<i>maintenance cost [new]</i>	annual cost for measures for preserving and restoring the desired quality of the installation. This includes annual cost for inspection, cleaning, adjustments, repair under preventive maintenance, consumable items	EN 15459	real	EUR ̄ EUR/m <sup>2</sup>	-

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Name/Acronym		Corresponding Name in D3.1	Description	Reference	Type of data	Unit	Reference to other sheets	
has	Operational_Cost	operational cost [new]	annual cost for operators	EN 15459	real	EUR ̄ EUR/m <sup>2</sup>	-	
has	Energy_Cost	energy cost	annual cost for energy and standing charges for energy (and other consumables as well as costs). It includes contracts for energy delivered	EN 15459	real	EUR ̄ EUR/m <sup>2</sup>	-	
	is	Absolute_Energy_Cost	-	annual absolute cost for energy and standing charges for energy (and other consumables as well as costs). It includes contracts for energy delivered	EN 15459*	real	EUR ̄ EUR/m <sup>2</sup>	-
	is	Saved_Energy_Cost	-	annual saved cost for energy and standing charges for energy (and other consumables as well as costs). It includes contracts for energy delivered	EN 15459*	real	EUR ̄ EUR/m <sup>2</sup>	-
	has	Energy_Carrier	energy carrier	substance or phenomenon that can be used to produce mechanical work or heat or to operate chemical or physical processes	ISO TR 16344 ISO 13600	string	-	"energy_quantities"
	has	Energy_Service	energy services	related to the services provided by the technical building systems and by appliances to provide the indoor climate condition, illumination and other services related to the use of the building	UNI TR 16344* EN 15603*	string	-	"energy_quantities"
has	Added_Cost	added cost [new]	annual cost for insurance, other standing charges, taxes (including environmental taxes for energy). Subsidies for renewable energy delivered or produced locally are considered as benefits or cost reductions	EN 15459	real	EUR ̄	-	
has	Duration	-	time interval to which the value refers	-	string	-	"TIME"	
has	Component_Replacement_Cost	replacement cost [new]	cost comprising periodic costs to replace a component	EN 15459*	real	EUR ̄	-	
has	Wall_Replacement_Cost	-	-	-	logic	-	-	
has	Roof_Replacement_Cost	-	-	-	logic	-	-	
has	Window_Replacement_Cost	-	-	-	logic	-	-	
has	Skylight_Replacement_Cost	-	-	-	logic	-	-	
has	Ceiling_Replacement_Cost	-	-	-	logic	-	-	
has	Space_Heating_System_Replacement_Cost	-	-	-	logic	-	-	
has	Space_Cooling_System_Replacement_Cost	-	-	-	logic	-	-	
has	Domestic_Hot_Water_System_Replacement_Cost	-	-	-	logic	-	-	
has	Ventilation_System_Replacement_Cost	-	-	-	logic	-	-	
has	Lighting_System_Replacement_Cost	-	-	-	logic	-	-	
has	Energy_Generator_Replacement_Cost	-	-	-	logic	-	-	
has	Å						-	
has	Period	-	time to which the value refers	-	string	-	"TIME"	
has	Cost_Indicator	-	-	-	-	-	-	

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<i>is</i>	<b>Global_Cost</b>	<i>global cost</i> [new]	sum of the present value of all costs (referred to the starting year) including investment cost	EN 15459	real	EUR ÷ EUR/m <sup>2</sup>	-
<i>is</i>	<b>Payback_Time_Period</b>	<i>payback time</i> [new]	the period of time (years) required for the return on an investment to "repay" the sum of the original investment	-	integer	-	-
<i>has</i>	<b>Inflation_Rate</b>	<i>inflation rate</i> [new]	annual depreciation of the currency	EN 15459	real	%	-
<i>has</i>	<b>Discount_Rate</b>	<i>discount rate</i> [new]	definite value for comparison of the value of money at different times	EN 15459	real	%	-
<i>has</i>	<b>Market_Interest_Rate</b>	<i>market interest rate</i> [new]	interest rate agreed by lender	EN 15459	real	%	-
<i>has</i>	<b>Real_Interest_Rate</b>	<i>real interest rate</i> [new]	market interest rate adjusted according to inflation rate	EN 15459	real	%	-
<i>has</i>	<b>Price_Development_Rate</b>	<i>price development</i> [new]	rate of development of the prices	EN 15459	real	%	-
<i>is</i>	<b>Price_Development_Rate_For_Energy</b>	-	rate of development of the price for energy	EN 15459	real	%	-
<i>is</i>	<b>Price_Development_Rate_For_Human_Operation</b>	-	rate of development of the price for human operation	EN 15459	real	%	-
<i>is</i>	<b>Price_Development_Rate_For_Products</b>	-	rate of development of the price for products	EN 15459	real	%	-
<i>is</i>	<b>Price_Development_Rate_For_Maintenance</b>	-	rate of development of the price for maintenance	EN 15459	real	%	-
<i>is</i>	<b>Development_Rate_Of_Added_Costs</b>	-	rate of development of added costs	EN 15459	real	%	-
<i>has</i>	<b>Period</b>	-	time to which the value refers	-	string	-	"TIME"