

HEATING COSTS FOR A 60 m² APARTMENT

as per April 2011 prices

If the energy carriers' prices are to remain on the same level as in April 2011 until the next heating season, the highest heating costs will be borne by those households using heating oil and electricity directly, without storage in heating appliances and boilers for floor heating. The costs for those households using heating oil will amount to around 142,600 RSD for the whole season, i.e. 122,700 RSD for those using electricity.

Households using electric thermal storage heaters and coal will have the lowest heating costs. Heating costs in case of coal, depending on the type, including transportation costs amount to between 47,400 and 49,100 RSD. In case of electric thermal storage heaters, the costs amount to around 41,300 RSD provided one exclusively uses cheaper electricity in night-time. Every time one recharges the heater in daytime and thereby consumes more expensive electricity, he increases the costs. In that case, e.g. recharge of two heaters of 3 kW only for two hours a day will increase the heating costs for around 44%, i.e. up to 59,400 RSD. Gas-based heating costs would amount to 51,000 RSD.

The table below illustrates heating costs for a 60 m² apartment throughout the entire heating season (without investment and maintenance costs, etc.), in case of use of different energy carriers. The data imply the same quantity of consumed heat with a level of quality typical for district heating (the whole apartment is heated at 20°C, 16 hours a day, throughout the entire heating season). Electricity prices are calculated in line with tariff rates established by the tariff system.

	Heater efficiency %	Quantity/year	Price	RSD
Banovici coal	55	3.9 t	12,500 RSD/t	49,100
Vreoci dry coal	55	4.2 t	11,600 RSD/t	48,200
Raw lignite coal	55	7.8 t	6,100 RSD/t	47,400
Heating oil	80	1394 lit	102.3 RSD/lit	142,600
Natural gas	85	1387 m ³	36.7 RSD/m ³	51,000
Propane butane	85	1005 kg	112.0 RSD/kg	112,600
Wood (depot price)	55	11.8 m ³	5,250 RSD/m ³	62,000
Central heating (Belgrade)		39.3 GJ	83.7 RSD/ m ²	60,200
ETS heater (night-time charge only)	100	10920 kWh		41,300
ETS heater (recharge in daytime)	100	10920 kWh		59,400
Electricity –heaters and boilers	100	10920 kWh		122,700

Relative ratio of annual heating costs for 60 m² apartment

