

## Heating Costs for 60 m<sup>2</sup> Apartment in the beginning of 2010/2011 heating season

The highest heating costs in the beginning of the 2010/2011 heating season (in line with the prices as of September 2010) will be borne by those households using heating oil and electricity directly in heating appliances and boilers for floor heating. 60 m<sup>2</sup> apartment heating costs for those households using heating oil will amount to around 129,000 RSD for the whole season, i.e. 108,000 RSD for those using electricity.

Heating costs in case of coal will be the lowest ones and, depending on the type of coal, they will amount to between 37,000 and 42,000 RSD, transportation costs included.

Households using electric thermal storage heaters and coal will pay around 36,500 RSD provided one exclusively uses cheaper electricity at night-time. Every time one recharges the heater in daytime and thereby uses more expensive electricity, he considerably 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 more than 44%, i.e. up to 52,500 RSD.

The table below illustrates heating costs for a 60 m<sup>2</sup> 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	10,705 RSD/t	<b>42,000</b>
Vreoci dry coal	55	4.2 t	9,545 RSD/t	<b>39,700</b>
Raw lignite coal	55	7.8 t	4,765 RSD/t	<b>37,000</b>
Heating oil	80	1394 lit	90.9 RSD/lit	<b>128,700</b>
Natural gas	85	1387 m <sup>3</sup>	36.7 RSD/m <sup>3</sup>	<b>51,000</b>
Propane butane	85	1005 kg	94.0 RSD/kg	<b>94,500</b>
Wood (depot price)	55	11.8 m <sup>3</sup>	4,683 RSD/m <sup>3</sup>	<b>55,300</b>
Central heating (Belgrade)		39.3 GJ	64.4 RSD/ m <sup>2</sup>	<b>46,400</b>
ETS heater (night-time charge only)	100	10920 kWh		<b>36,500</b>
ETS heater (recharge in daytime)	100	10920 kWh		<b>52,500</b>
Electricity – heaters and boilers	100	10920 kWh		<b>108,000</b>

