

## METHODOLOGY FOR CALCULATING THE MARKET SHARE OF BIOFUELS

1. Only biofuels that meet the sustainability criteria and the prescribed technical and other biofuel quality requirements shall be taken into account for the calculation of the market share of biofuels.

2. Percentage of biofuel energy content in the total energy of fuel placed on the market of the Republic of Serbia, expressed as a percentage of energy (%), shall be used to show the share of biofuels on the market.

3. The energy values of fuels and biofuels used to calculate the mandatory share of biofuels in transport are laid down in Annex 3, which is an integral part of this Regulation.

4. The energy value of biofuels produced from the raw materials referred to in Annex 4, which is an integral part of this Regulation, shall be double-counted in relation to the energy value of biofuels obtained from other raw materials.

5. On the basis of the prescribed mandatory share of biofuels, the mandatory amount of energy from biofuels is determined for each reporting entity, which is calculated in accordance with the following formula:

$$E_{OB} = \frac{U_B \cdot E_G}{100\%}$$

whereby:

$E_{OB}$  – is the amount of biofuel energy that the reporting entity is obliged to place on the market in the year to which the obligation refers, [MJ];

$U_B$  – is the mandatory share of biofuel prescribed for the reporting entities, in accordance with the Government decision referred to in Article 3 of this Regulation, [%];

$E_G$  – is the total amount of fuel energy from article 2, paragraph 2 of this Regulation in the year to which the obligation refers, [MJ].

6. Total amount of energy placed by the reporting entity on the market, [MJ], is determined according to the following formula:

$$E_G = \sum_{i=1}^N Q_{Mdi} \cdot M_i \cdot 1000$$

whereby:

$Q_{Mdi}$  – is the inferior calorific value of specific fuel in accordance with the data given in the table in Annex 3, which is an integral part of this Regulation, [MJ/kg];

$M_i$  – is the volume of specific fuel which the reporting entity places on the market in the year to which the obligation refers, [t];

$N$  – is the number of different fuels placed on the market by the reporting entity, given in the table in Annex 3, which is an integral part of this Regulation;

$i$  – is the order number of the addend in a formula, and may be from 1 to  $N$ .

7. The total amount of energy from all biofuels placed on the market by the reporting entity in the previous year, [MJ], is determined according to the following formula:

$$E_B = \sum_{j=1}^N Q_{Mbj} \cdot M_j \cdot 1000 \cdot k_j$$

whereby:

$Q_{Mbj}$  – is the inferior calorific value of specific biofuel, in accordance with the data given in the table in Annex 3, which is an integral part of this Regulation, [MJ/kg];

$M_j$  – is the volume of specific biofuel blended in the fuel placed on the market in the previous year, [t];

$N$  – is the number of different fuels placed on the market by the reporting entity, given in the table in Annex 3, which is an integral part of this Regulation;

$j$  – is the order number of the addend in a formula, and may be from 1 to  $N$ ;

$k_j$  – calculation coefficient has the value of 1, except in cases when biofuel is derived from raw materials given in the Annex 4, which is an integral part of this Regulation, when the calculation coefficient has the value of 2.