



European  
Regional  
Development  
Fund



**International Olympiad "5R – Green Technolympics"  
8-9<sup>th</sup> JANUARY, 2020, Klaipeda, Lithuania**

**COMPANY ANSWER**

**Short company description:**

„Fortum“ – is a leading clean-energy company developing and offering solutions for our customers in electricity, heating, cooling, as well as solutions to improve resource efficiency. Company also provides services for the power generation industry and solutions for consumers so that they can be smarter in their energy choices.

**Question:**

In 2018, the following companies delivered waste to the Fortum plant:

- 38 % - Klaipėda KRATC (Klaipėda district)
- 11 % - Ecobase (Lithuania)
- 9 % - Ekocervice (Lithuania)
- 8 % - Kaunas RATC (Kaunas district)
- 7 % - Ekonovus (Lithuania)
- 5 % - Siauliai (Lithuania)
- 22 % - others

In 2018 - 253 thousand tonnes of waste was burned. With 1 tonne of waste incineration, we get enough energy to heat an entire 60m<sup>2</sup> flat for a whole month or to burn a 100W light bulb for 6000 hours.

How many 60 m<sup>2</sup> flats per year can be heated in Klaipeda district by burning only waste collected in Klaipeda? (Using data for 2018 only)

**Answer: 16023 flats.**

Explanation:

38% of the waste is 96140 tonnes per year.  
96140: 6 = 16023 flats