

**Zwack Unicum Plc.**

**RESULTS OF ENERGY EFFICIENCY MEASURES**

**2018**





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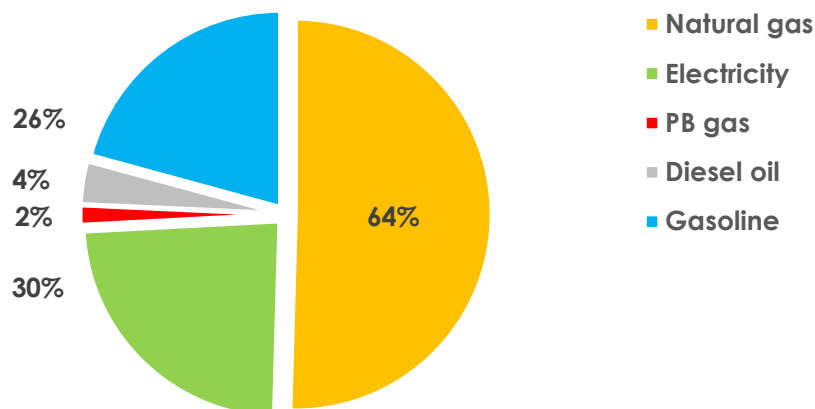
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## 1. TOTAL ENERGY CONSUMPTION

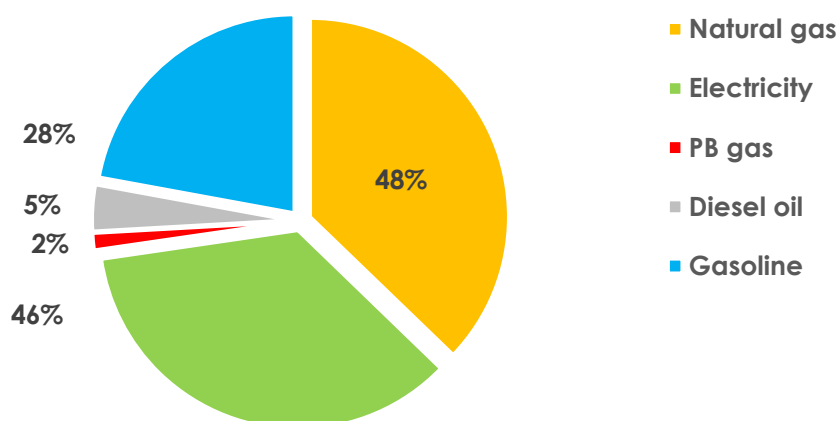
This document was made for Zwack Unicum Plc. (1095 Budapest, Soroksári road 95.) according to the following laws and regulations: the 2015. LVII. Law of energy efficiency, the 122/2015. (V. 26.) Government decree, and the 2/2017. (II. 16.) decree by the Hungarian Energy and Public Utility Regulatory Authority.

**Fig. 1.** presents the distribution of the total energy consumption by energy sources in 2018.



**Fig. 1.** Distribution of the total yearly energy consumption by energy sources

**Fig. 2.** presents the distribution of carbon dioxide emission by energy sources.



**Fig. 2.** Distribution of the carbon dioxide emission by energy sources

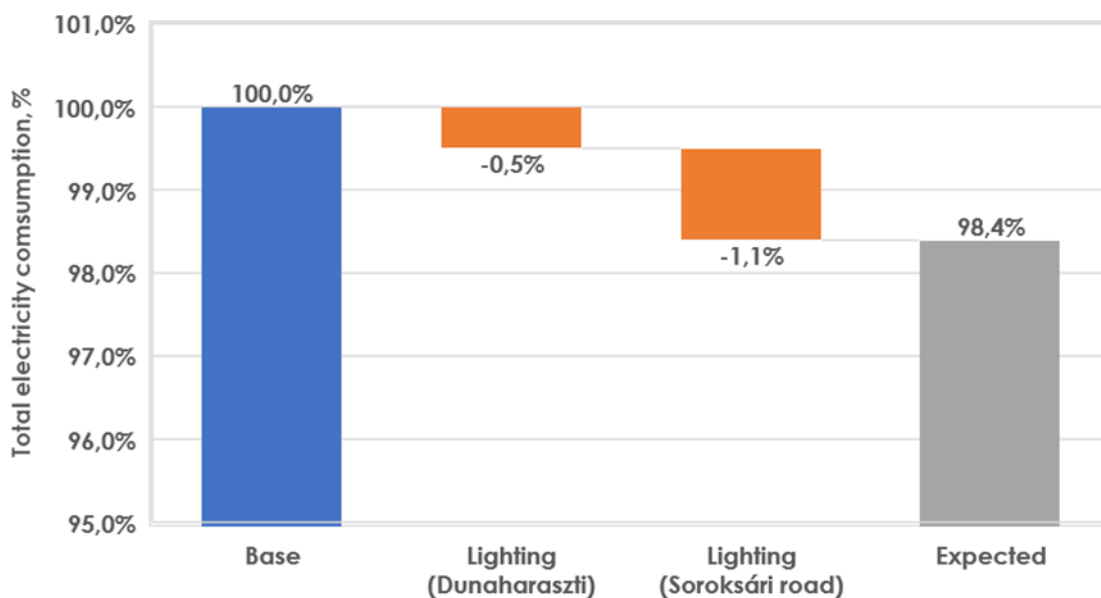
## 2. MEASURES TO INCREASING ENERGY EFFICIENCY

The next table shows to which subarea the measures taken in 2018 to increase energy efficiency belong and when they have been implemented.

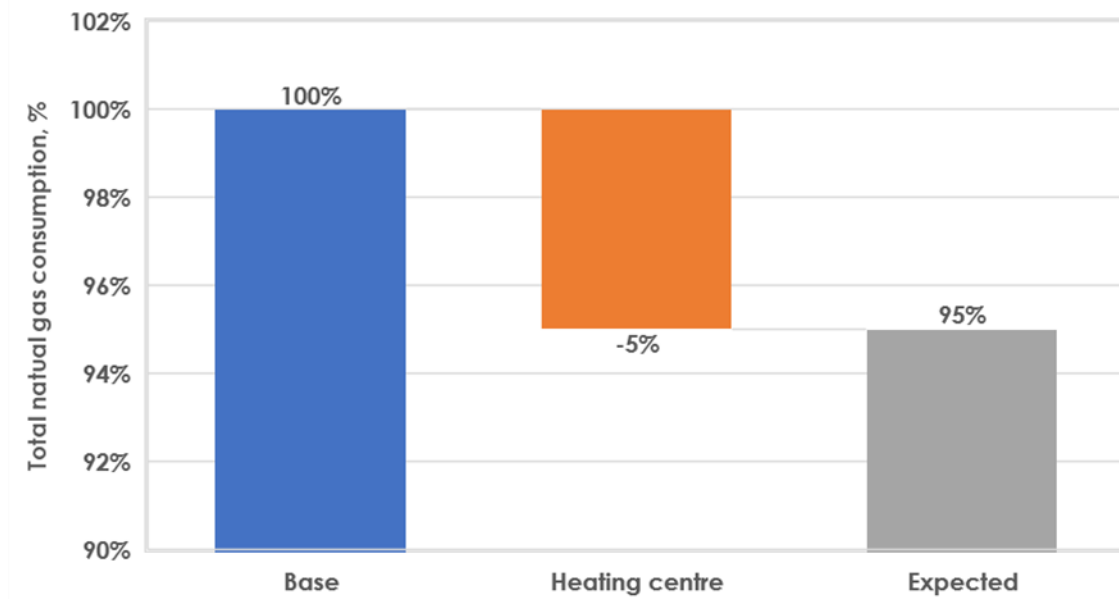
**Table 1.** Energy efficiency increasing measures

Nr.	Technical content	Subarea	Energy source	Date of implementation/ beginning of operation
1	Lighting modernisation (Dunaharaszti)	Building	Electricity	25.05.2018.
2	Lighting modernisation (Soroksári road)	Building	Electricity	20.05.2018.
3	Heating centre renovation at the Soroksári road site	Building	Natural gas	11.10.2018.
4	Commissioning a frequency controlled compressor	Technology	Electricity	11.30.2018.

The following waterfall diagrams show the effect of each measure taken to increase the energy efficiency on the yearly energy consumption. By "Base" is meant the current energy consumption of each energy source, while by "Expected" is meant the expected estimated amount of energy that will have been consumed with each of the implemented measures considered.



**Fig. 3.** Effects of the implemented measures on the electricity consumption



**Fig. 4.** Effects of the implemented measures on the natural gas consumption



### 3. Attitude formation activities

We believe that environmental education and attitude formation have a prominent role in solving the environmental problems our society is facing these days. We can preserve and protect the health of our environment by steering the consumer habits into a positive direction.

In the spirit of this we would like to raise awareness together and draw the attention of the people to the little things and practices we can all do, as well as to the conscious shopping and consumption which will allow each one of us to make our environment more and more liveable for ourselves and our peers in the long term.

**Table 2.** Attitude formation activities

<b>Nr.</b>	<b>Description and location of the activities</b>	<b>Frequency [per year]</b>	<b>Participants reached [cap]</b>
<b>1</b>	EMS education	1	244
<b>2</b>	Energy awareness education	1	244
<b>3</b>	Sustainability report	1	1000