Zwack Unicum Plc.

RESULTS OF ENERGY EFFICIENCY MEASURES

2019





This report was made on behalf of Zwack Unicum Plc. (1095 Budapest, Soroksári road 26.)

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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 2019.



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 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 in the building subarea







The next table shows to which subarea the above mentioned measures taken in 2019 belong and when they have been implemented.

Nr.	Measures taken	Subarea	Energy source	Extent of the planned energy savings
1.	Fast steam generator	Technology	Natural gas 2H type	5.83%
2.	Partial renovation of the steam pipeline network	Technology	Natural gas 2H type	0.27%
3.	Lighting modernisation	Building	Purchased electricity	6.00%

Table 1. Energy	efficiency	/ increasing	measures

In the name of energy awareness, the Zwack Unicum Plc. has been purchasing green elecrticity since September 2019 thus the corporate's CO₂-emission regarding the electricity consumption is zero since September.



3. ATTITUDE FORMATION ACTIVITIES

We believe that environmental education and attitude formation have a prominent rule 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.

Description of activities	Frequency, per year	Participants reached, cap
ISO 50001 education (efficient energy usage)	1	250
Clerical energy efficiency education (Dunaharaszti, Soroksár)	2	150
Energy themed communication on internal billboards (TV)	1	250
Energy themed wall newspaper	1	250
Environmental protection poster campaign	1	250
Eco breakfast	2	100

Table 2. Attitude formation activities