



PannErgy Nyrt.

QUARTERLY PRODUCTION REPORT

2023 Q1

14 April 2023

Introduction

PannErgy Plc. publishes a production report on a quarterly basis, presenting green energy production and utilisation. In the report, PannErgy presents the green heat sales figures of its key geothermal energy production systems in the reporting period, and additional useful information.

I. Consolidated production information

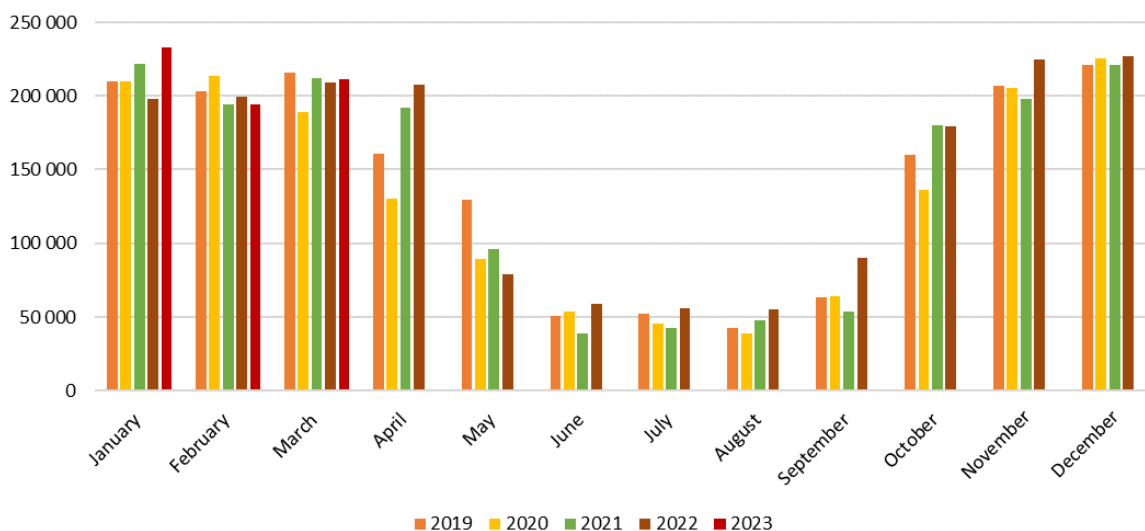


Figure 1

Consolidated quantity of heat sold (GJ)

The chart presents the aggregate volume of heat sold across all operational projects, in a monthly breakdown

	2019	2020	2021	2022	2023	2023 PLAN
January	209 999	209 678	221 966	197 923	232 696	
February	203 484	213 855	194 173	199 600	193 988	
March	215 693	189 195	211 762	209 267	211 365	
Q1	629 176	612 728	627 901	606 790	638 049	627 259
April	160 548	130 407	192 053	207 861		
May	129 300	89 190	96 333	78 637		
June	50 780	53 394	38 595	58 955		
Q2	340 628	272 991	326 981	345 453		322 084
July	52 406	45 297	42 919	56 299		
August	42 415	39 205	48 023	54 838		
September	63 731	64 096	53 870	90 033		
Q3	158 552	148 598	144 812	201 170		193 174
October	159 888	136 460	180 427	179 453		
November	206 686	205 417	197 872	224 871		
December	221 248	225 688	221 198	226 770		
Q4	587 822	567 565	599 497	631 094		647 180
Total	1 716 178	1 601 882	1 699 190	1 784 507	638 049	1 789 697

Figure 2

Consolidated actual and target volumes of heat sold, in a table format (GJ)

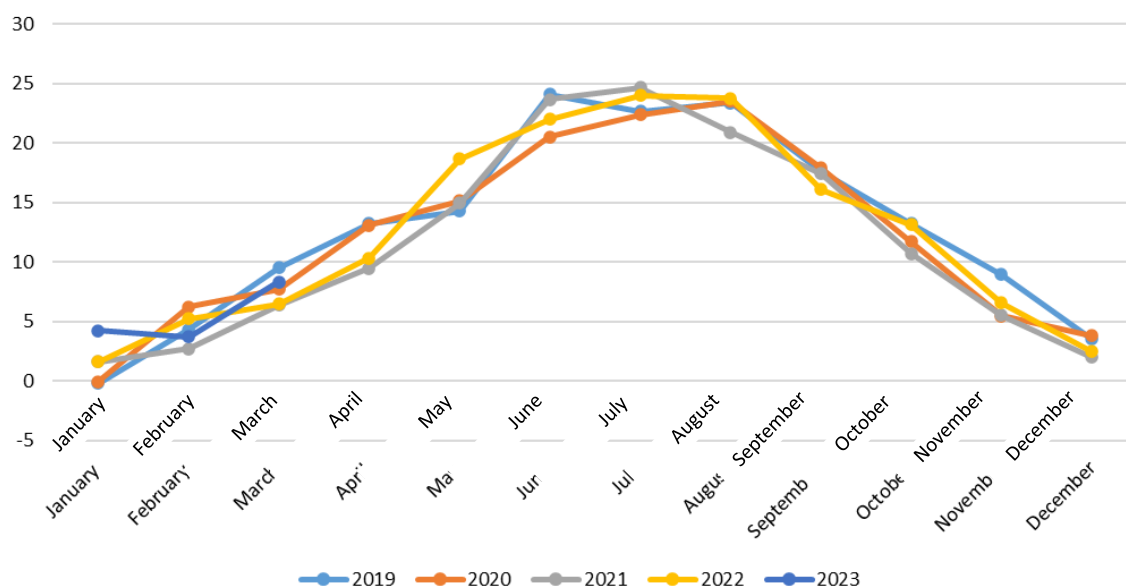


Figure 3
Average temperatures

The weather in the period under review represented a Group-level heating potential comparable to the corresponding period in 2022 and to the average of recent years.

A comparison of the 2023 Q1 heat sales figures with the average values of the same period in historical years indicates that PannErgy accomplished record heat sales in the period under review, exceeding the base period value by 5.2%. PannErgy also exceeded the quarterly target by approximately 1.7%. This outstanding performance was primarily due to favourable weather conditions and the Group's ongoing investments into increasing efficiency, operational safety and capacity expansion.

In consideration of the information presented in this production report, PannErgy confirms the expected fulfilment of the consolidated HUF 3,950–4,150 million EBITDA target range published previously (13 January 2023) for the 2023 business year.

II. Major projects

Miskolc Geothermal Project

(Miskolci Geotermia Kft., Kuala Kft.)

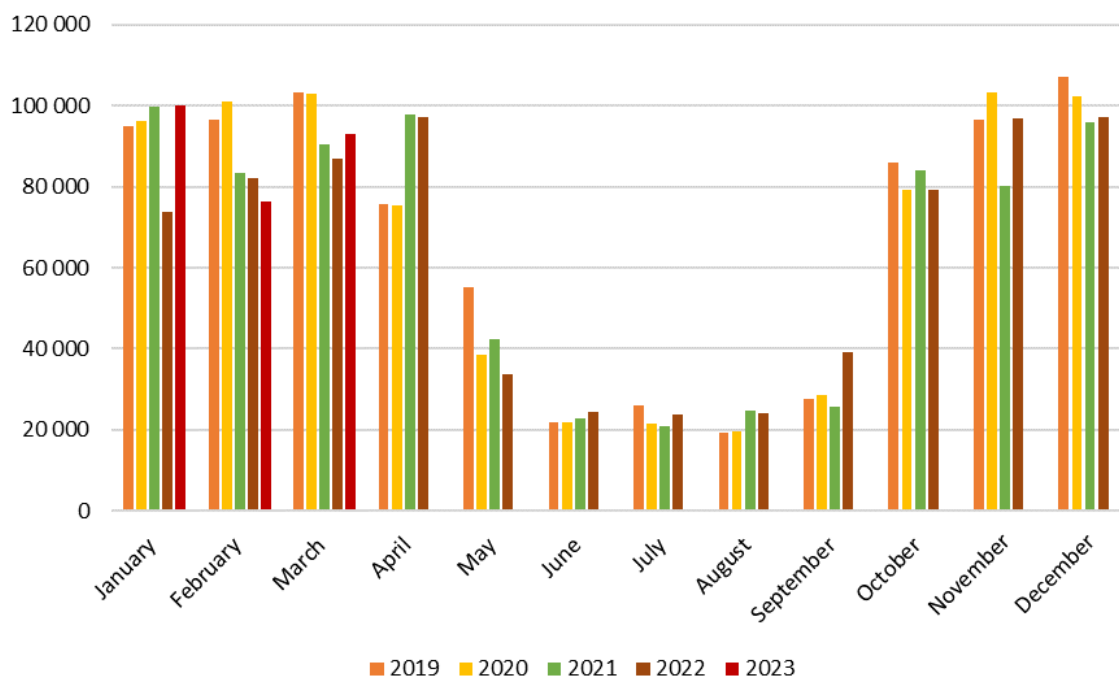


Figure 4

Volume of heat sold in Miskolc (GJ)

The Geothermal System of Miskolc sold a total of 269,345 GJ of thermal energy in 2023 Q1, which is in line with the average of the corresponding period of previous years and is 10.9% higher than the heat sales achieved in the same period of 2022, mainly due to the needs for technical and operational interventions presented in the base period.

Győr Geothermal Projects

(DD Energy Kft., Arrabona Koncessziós Kft.)

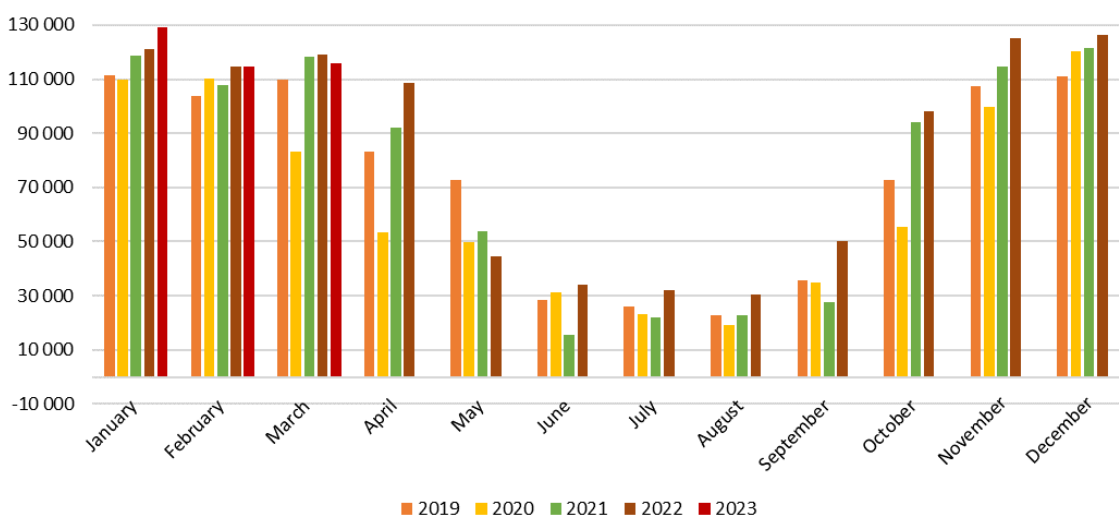


Figure 5

Volume of heat sold in Győr (GJ)

The Geothermal System of Győr sold a historic record volume of 359,250 GJ of thermal energy in 2023 Q1, representing a rise of 1.3% year-on-year. The primary reasons for the increase were the investment activity in recent periods, favourable weather conditions and the Company's previously disclosed commercial agreement with GYŐR-SZOL Zrt. that ensures priority to geothermal energy.

III. Miscellaneous

Impact of climate change and the European energy crisis on PannErgy's heat markets

One of the tangible effects of climate change in Hungary manifests itself in the form of frequent volatile and extreme changes in weather conditions, including ambient temperatures, and a rise in the average temperature of winter months from the historically cold, steadily sub-zero range to markedly above the freezing point. These changes are not expected to have an adverse impact on the output of geothermal heat generation. In fact, taking the average over a horizon of several years, the perspectives of input into district heating systems seem favourable. This is due to the fact that daily geothermal heat sales can be maximised even when outside temperatures are above freezing point during the heating season. At the same time, the potential decrease in demand for heat during the transitional seasons may be offset or even surpassed by the growth in the potential of the increasingly mild winter periods.

The demand for energy in the large district heating systems supplied by the PannErgy Group is far greater than the amount of geothermal energy that can be fed into those systems. Accordingly, any changes in demand for heat in those heating systems stemming from climate change have no perceivable effect on PannErgy Group, and the Company does not expect any trend-like negative effects in the future either.

The primary goal of PannErgy is to utilise its substantial uncommitted thermal capacities in addition to those currently used, which is expected to further reduce sensitivity to ambient temperature changes.

Radically increased hydrocarbon prices, supply uncertainties and significant carbon dioxide emission quota costs have further increased the competitiveness of geothermal energy, making its relevance undisputable.

The most important areas for potentially utilising free thermal capacities include:

- implementation of energy efficiency and optimisation projects with existing customers;
- cold energy projects for the utilisation of the so-called 'summer' heat;
- connection of new customers indirectly through district heating systems or directly to the geothermal systems on the primary or the secondary (return) sides; and
- technical, energy and R&D projects aimed at the improvement of heat production efficiency.

In addition to combating climate change, PannErgy also makes a significant contribution to reducing Hungary's and Europe's fossil fuel dependency, which is even more exacerbated by the ongoing armed conflicts.

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This announcement is published in Hungarian and English languages. In case of any contradiction between these two versions, the Hungarian version shall prevail.