

# Report to Rugeley Town Council – Finance & Management

## Meeting – 20<sup>th</sup> December



### Electricity

#### Introduction

This report is to bring you all up to date with the current situation with regards to electricity related matters and is very much a work in progress, as I am slowly working through the queries.

#### Investigation into integrity of electricity supply

I have previously contacted Engie, Energy Box and Midlands Connect prior to the November meeting to ask for a quote to check the integrity of our supply and fitting a smart meter and sub meter for the theatre. None of them were willing to provide a quote. These were all reported to the November meeting.

Two days following the November meeting I contacted the company provided by a councillor by phone and explained what we were looking for. I then followed this up with an email, explaining exactly what we required. As of 15/12/23 I have had no reply.

On 28<sup>th</sup> November an electrician from Midlands Connect and Engie came into the office and switched off the electric and the solar panels and batteries at approximately 1.20pm. These were left off for one hour. Photos of the meter at the beginning and end of the hour are shown below, to confirm no usage.



The graphs from the solar app, do not show a complete stoppage in our usage/generation around 1.20pm – see above.

### Solar Panels

### Invoices

Please find attached the latest four invoices for electricity from Engie, summarised as follows:-

Inv date	Month	Amount	Consumption	
11/9/23	Aug 23	£1,862.09	2,265 kWh	
10/10/23	Sep 23	£1,727.09	2,093 kWh	
10/11/23	Oct 23	£3,471.85	4,315 kWh	
7/12/23	Nov 23	£5,578.46	6,999 kWh	

### Meter readings

Taken from meter in cellar – no split between day and night available

Date	Reading	Usage in prev mnth	Engie consumption from invoice	Difference
1/9/23	54,013	-		
1/10/23	55,607	1,594 kWh	2,093 kWh	499 kWh
1/11/23	56,474	867 kWh	4,315 kWh	3,448 kWh
1/12/23	57,179	705 kWh	6,999 kWh	6,294 kWh

### Smart Meters

I have written to Engie, Energy Box and the National Grid regarding the installation of a smart meter and all of them have replied to say it isn't their responsibility

### Outstanding issues – 15/12/23

- i. Engie – bills do not show meter readings – raised with Engie
- ii. Engie – meter – Engie take ½ hrly meter readings, but these do match with the bills. Engie have insisted that they have been checked.
- iii. Usage graphs from Engie bills – they show no change from 13/14<sup>th</sup> September when solar panels began working.
- iv. Engie – solar production – Engie have confirmed that solar panels do not show on their invoices
- v. Smart meter
- vi. Energy Box contract – possibility that the responsibility for none communication between Solar and Engie lies with the solar provider and contract needs to be checked. Dependent on outcome – not fit for purpose, insurers involved?

- vii. Energy Box – is the data on the app accurate, as there is no stoppage when the electric and solar panels were all turned off?
- viii. Energy Contract – unsuitability. This has been raised with our broker who has lodged a complaint and we are still waiting to hear about this

**Attachments:-**

Usage reports from the Solar app for September to December inclusive  
Graph from solar app showing using on day electric and solar were turned off

*Source: Sue Buxton -Town Clerk*

REPORT FROM SOLAR APP  
28.11.23

ELECTRIC & SOLAR SWITCHED OFF  
FOR 1 HOUR FROM C.13:20

15kW

12.5kW

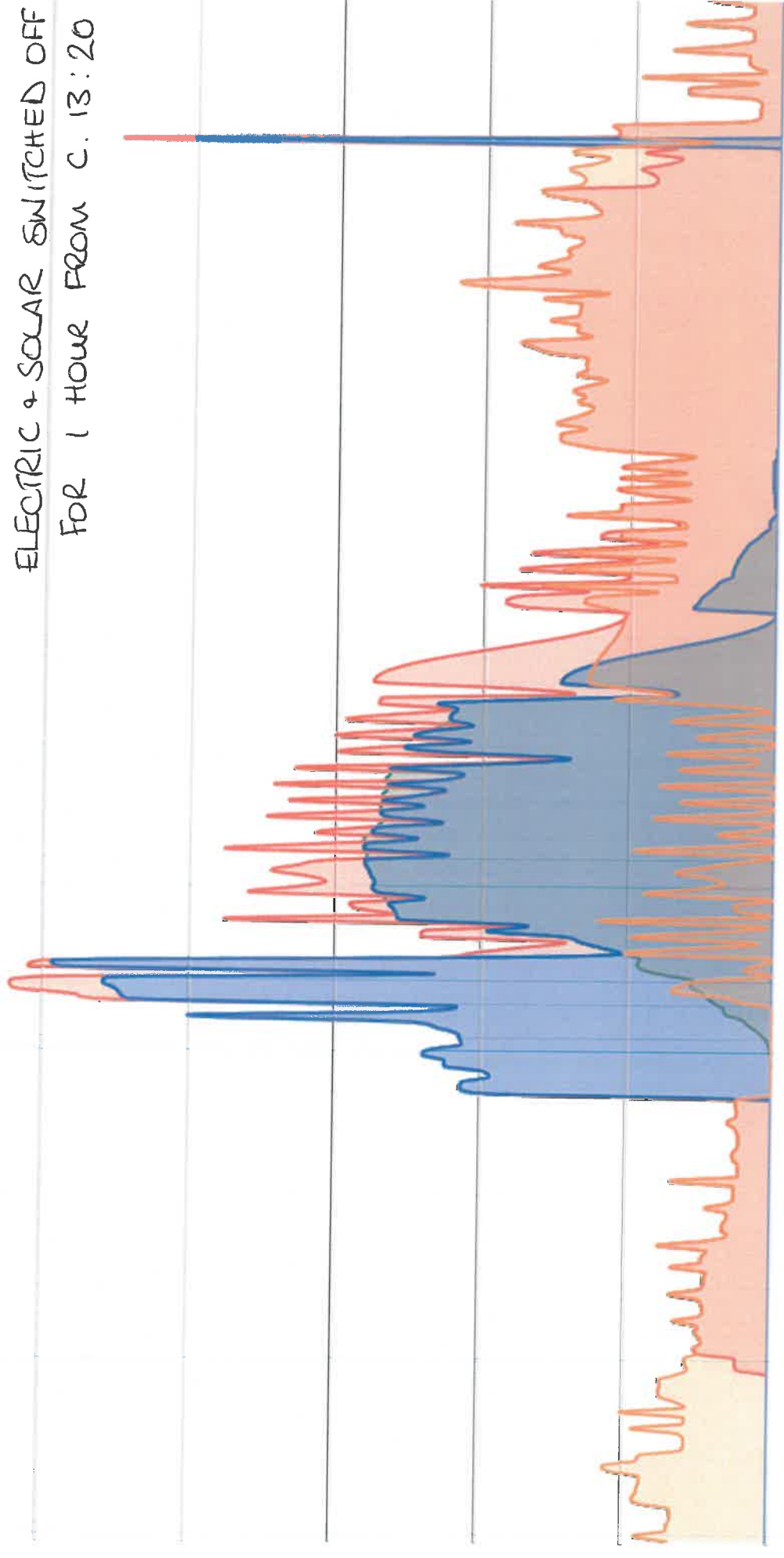
10kW

7.5kW

5kW

2.5kW

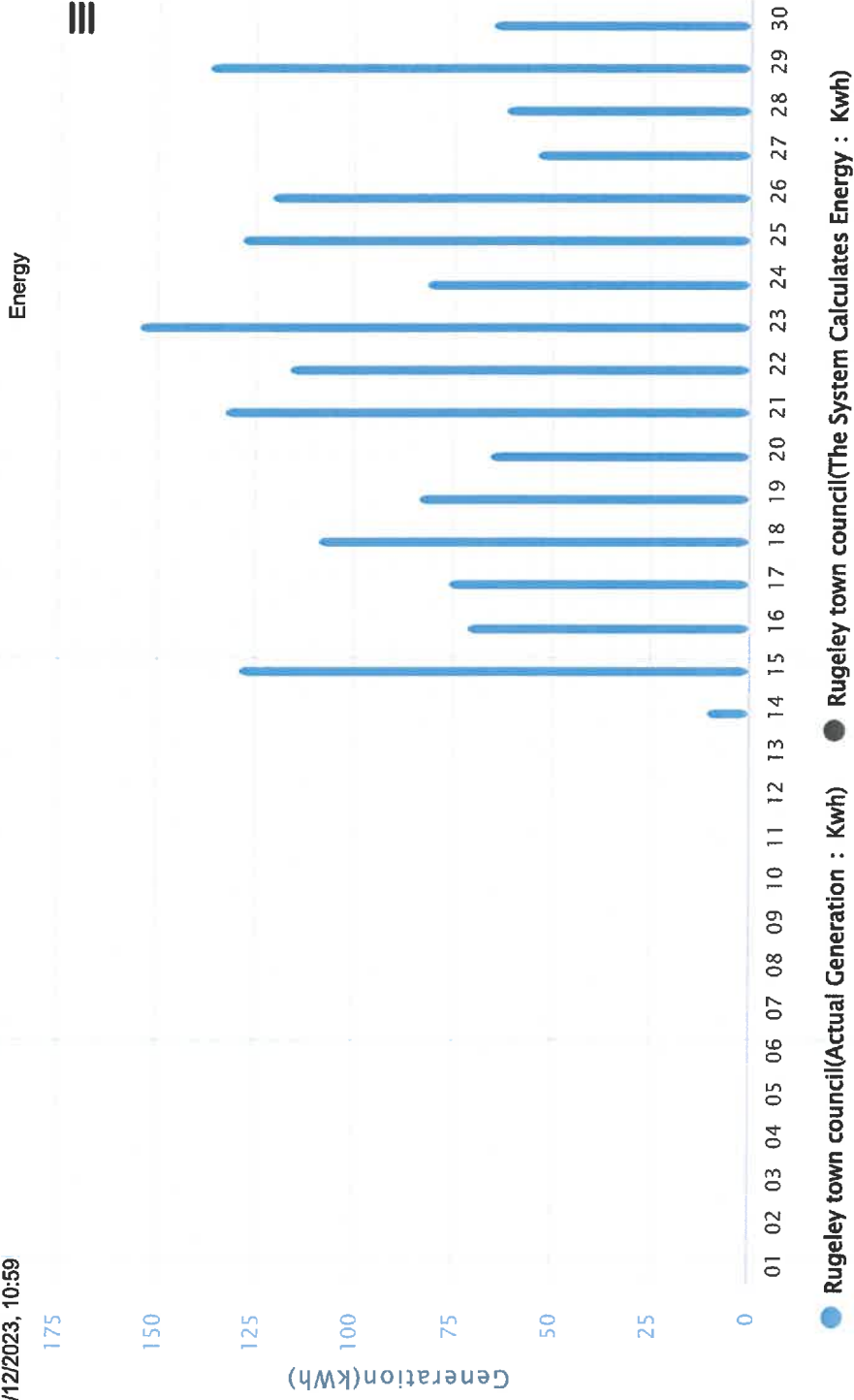
0kW



00:05 02:10 04:15 06:20 08:25 10:30 12:35 14:40 16:45 18:50 20:55 23:00

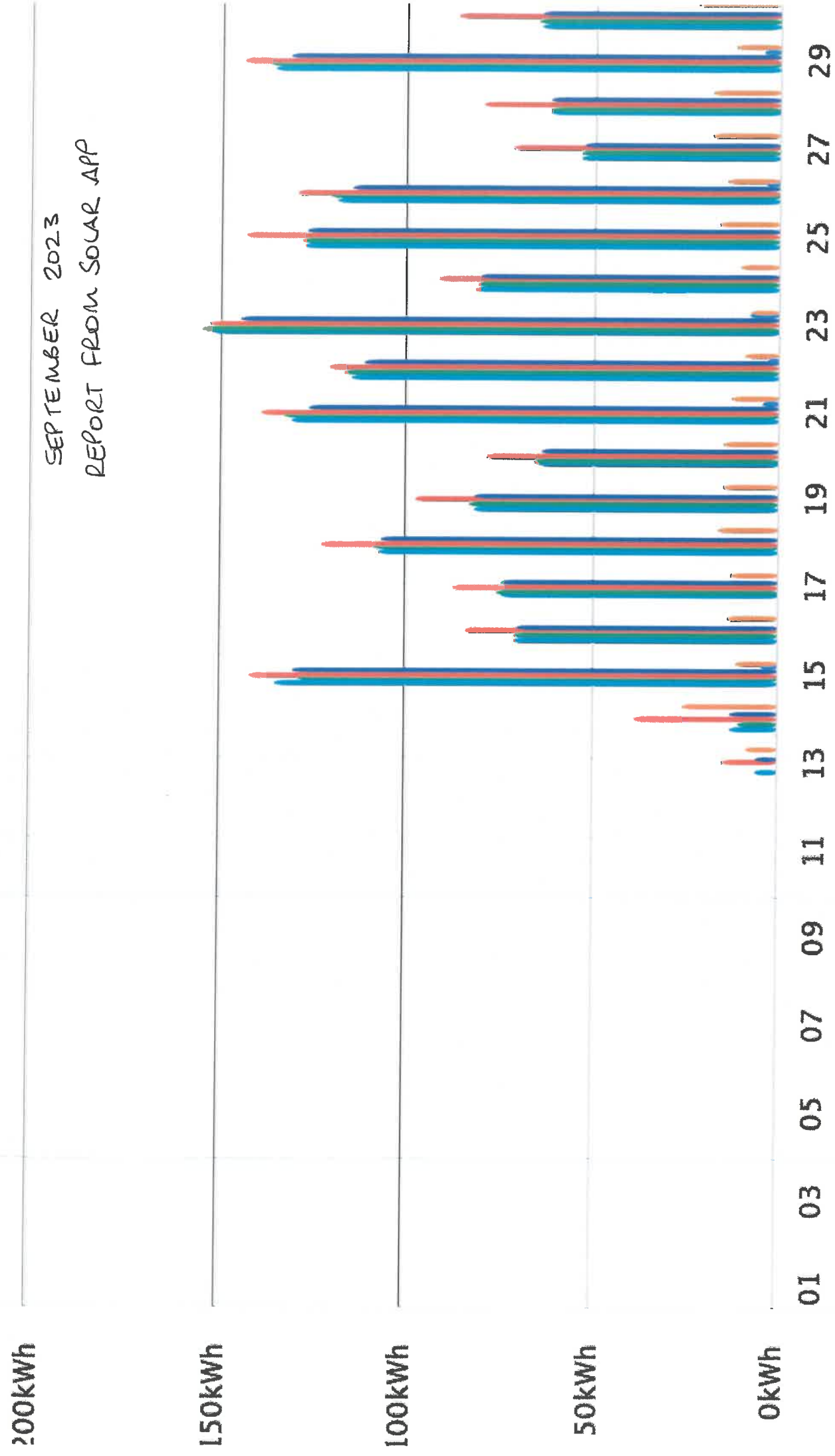
- System Production ● Photovoltaic Output ● Load Consumption
- Self-Consumption ● Exported to Grid ● Imported From Grid

SEPTEMBER 2023



● Rugeley town council(Actual Generation : Kwh) ● Rugeley town council(The System Calculates Energy : Kwh)

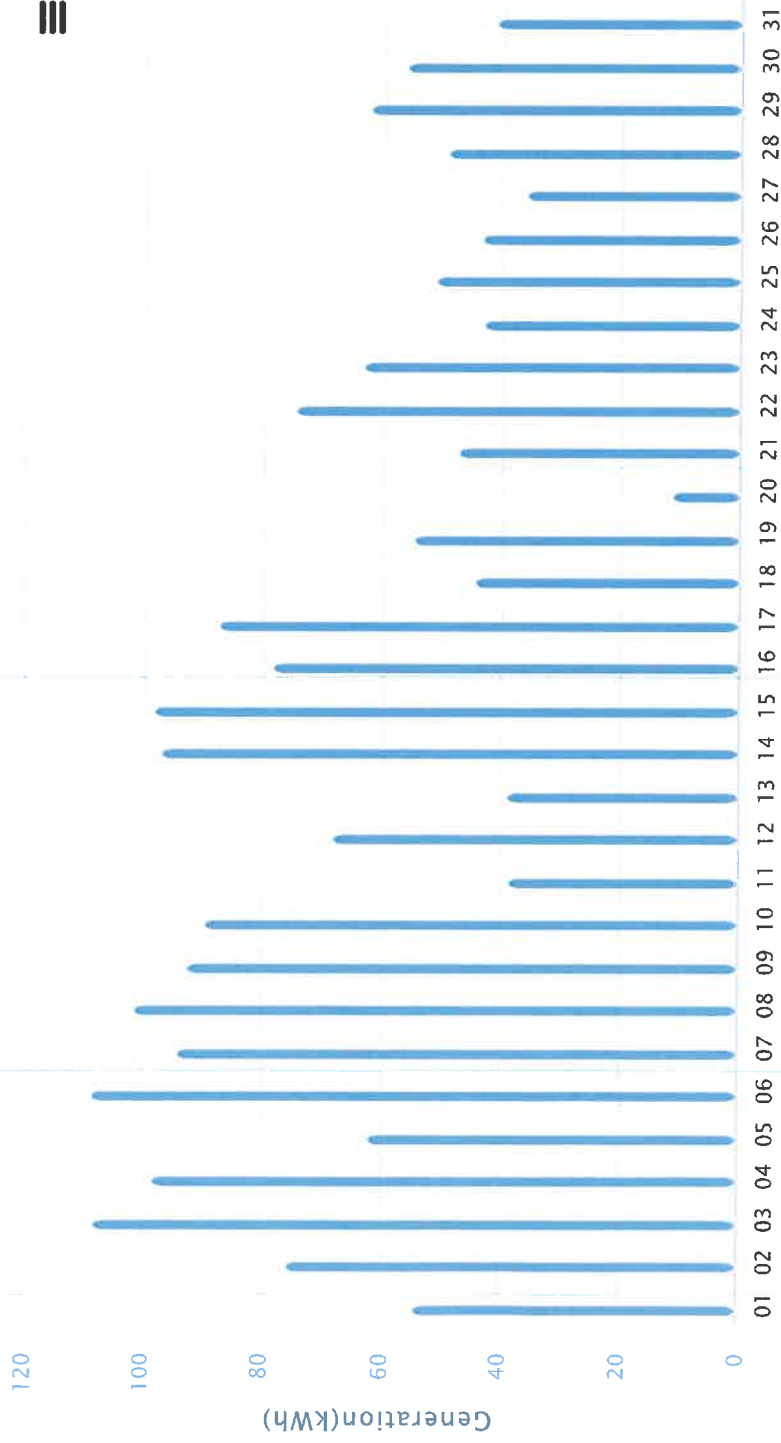
SEPTEMBER 2023  
 REPORT FROM SOLAR APP



- System Production
- Self-Consumption
- Photovoltaic Output
- Load Consumption
- Exported to Grid
- Imported From Grid

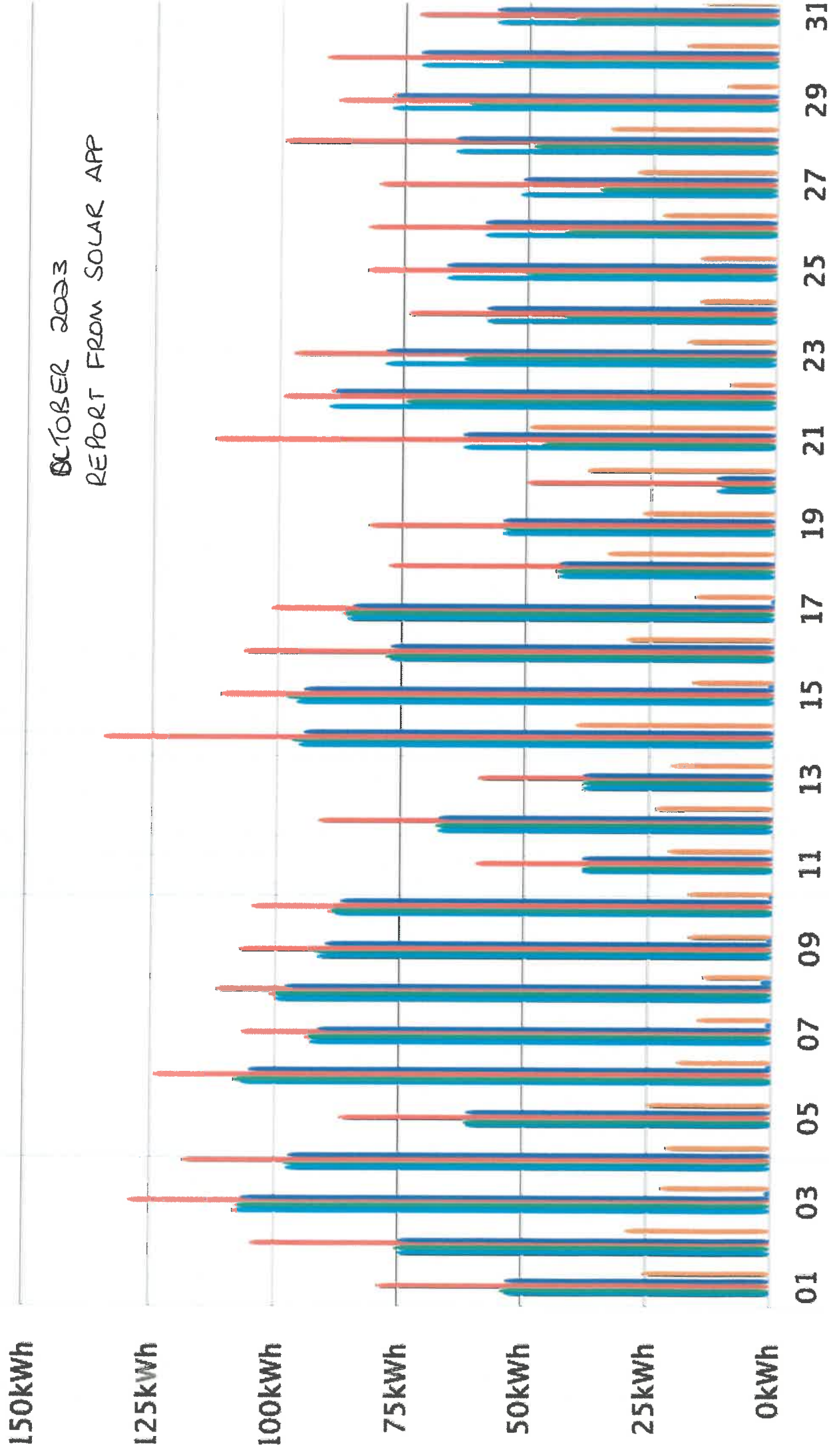


OCTOBER 2023



● Rugeley town council(Actual Generation : kWh) ● Rugeley town council(The System Calculates Energy : kWh)

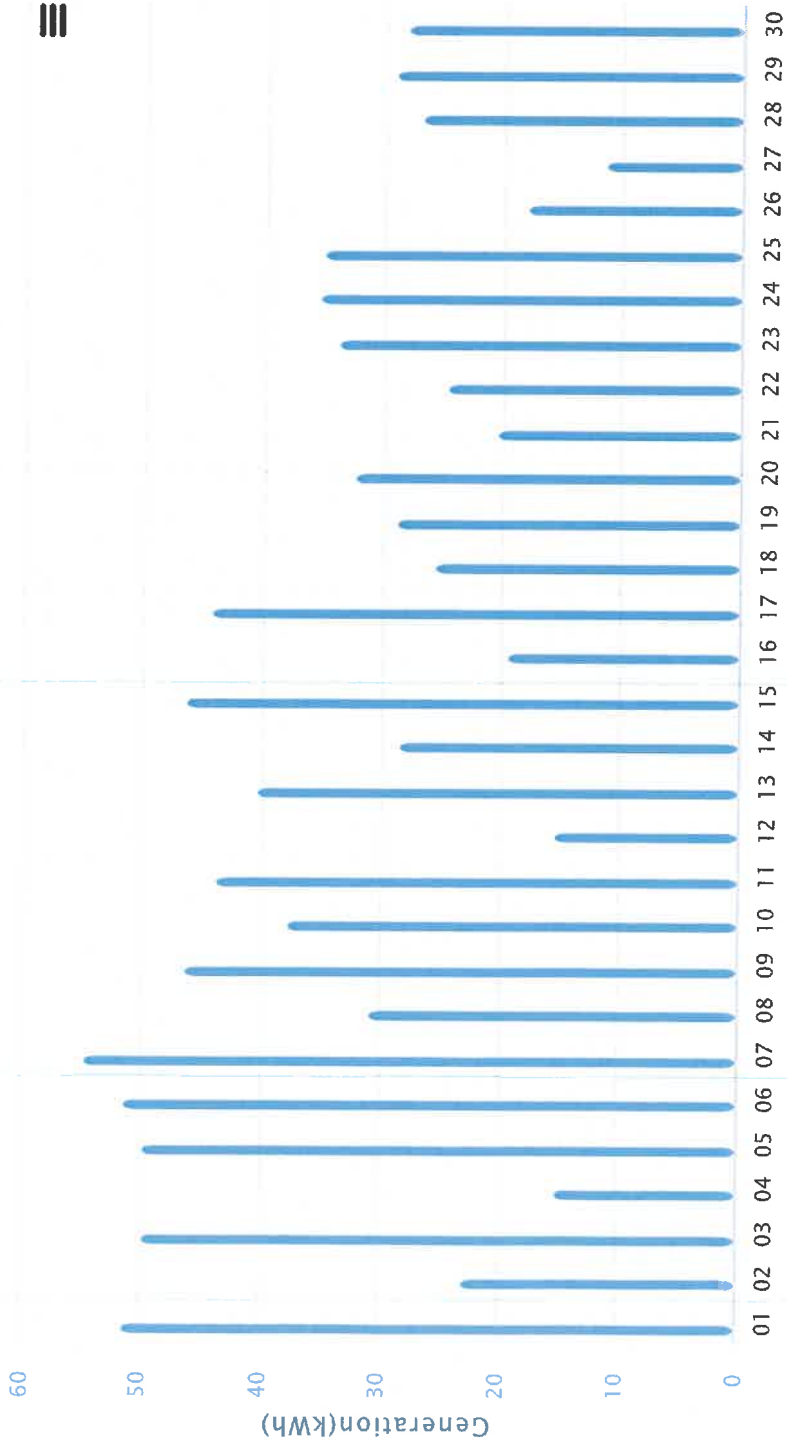
OCTOBER 2023  
REPORT FROM SOLAR APP



- System Production
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NOVEMBER 2023



● Rugeley town council(Actual Generation : Kwh) ● Rugeley town council(The System Calculates Energy : Kwh)

125kWh

100kWh

75kWh

50kWh

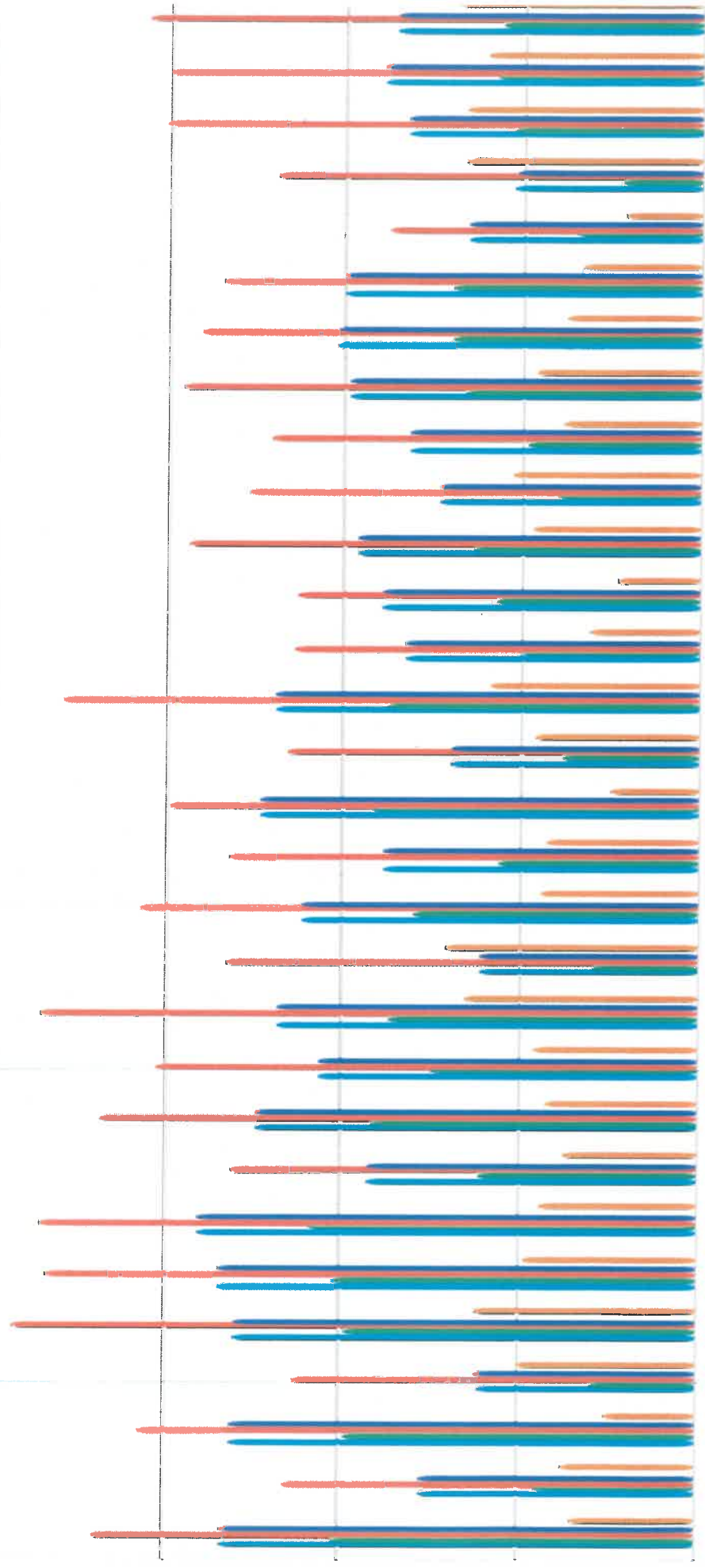
25kWh

0kWh

NOVEMBER 2023  
REPORT FROM SOLAR APP

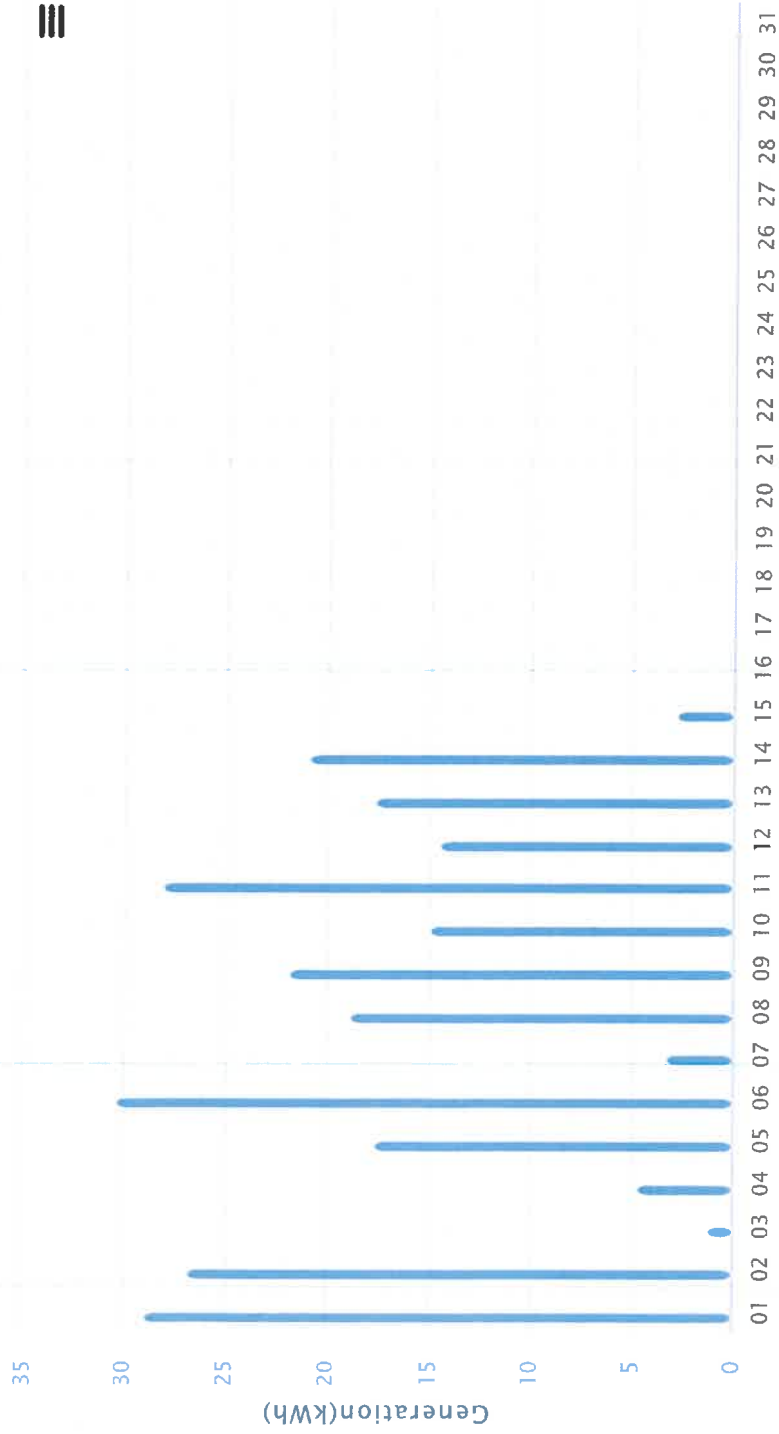
01 03 05 07 09 11 13 15 17 19 21 23 25 27 29

- System Production
- Self-Consumption
- Photovoltaic Output
- Exported to Grid
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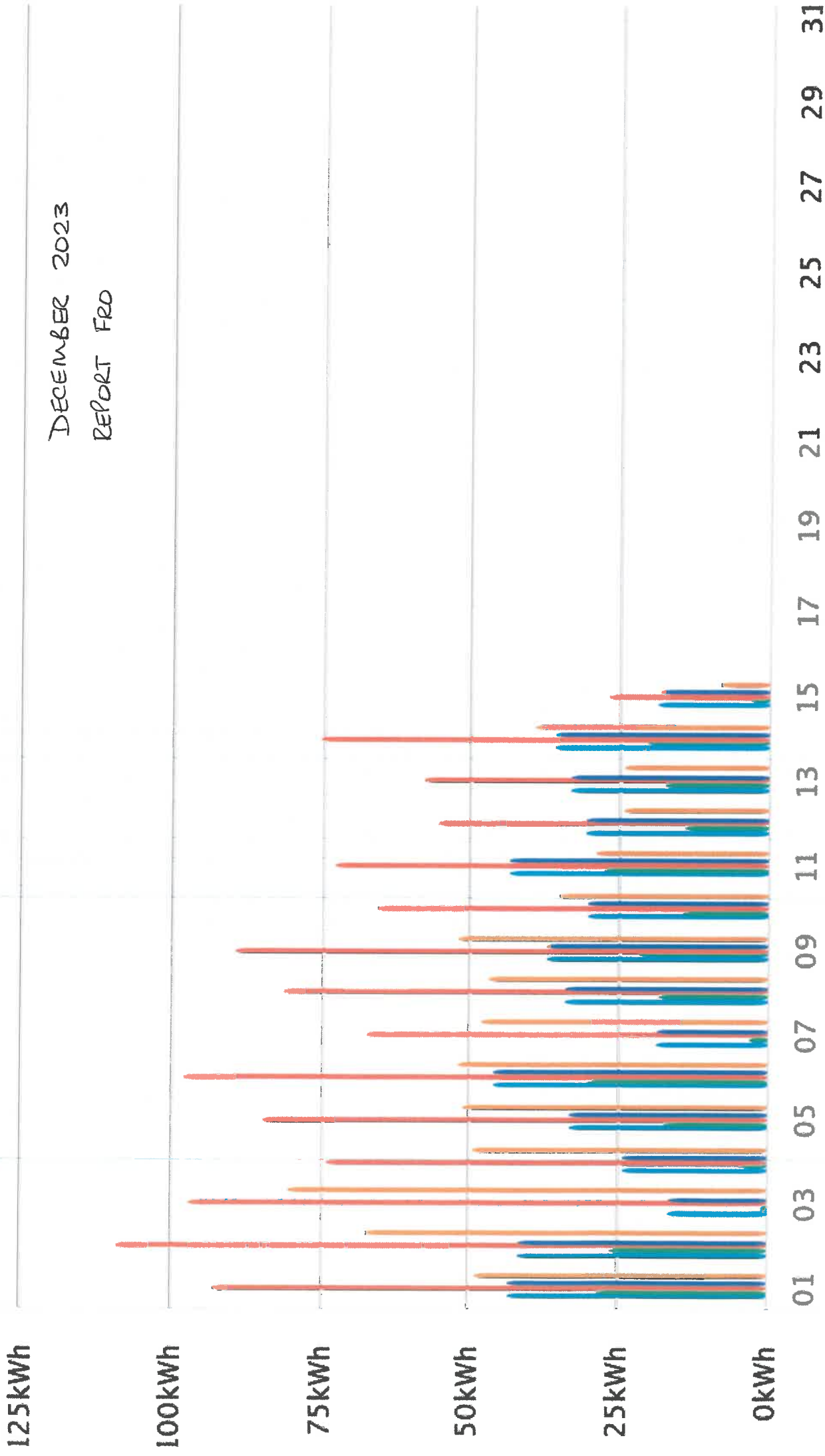


DECEMBER 2023



● Rugeley town council(Actual Generation : Kwh) ● Rugeley town council(The System Calculates Energy : Kwh)

DECEMBER 2023  
REPORT FRO



- System Production
- Self-Consumption
- Photovoltaic Output
- Load Consumption
- Exported to Grid
- Imported From Grid