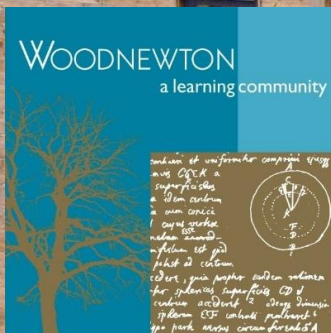


Harborough Solar Projects

Annual Output Summary

18AUG19/DJR/v1.1



Harborough Energy is a not for profit cooperative formed in 2014 via Sustainable Harborough



OUR PURPOSE

- To engage local businesses and organisations in the opportunities offered by installing systems like solar panels, biomass and heat pumps to generate clean energy
- To show how the local community can work together to generate its own energy
- To show how we can improve energy efficiency in homes
- To demonstrate how businesses and public facilities can reduce their energy costs and carbon production through collective purchase and improved energy efficiency



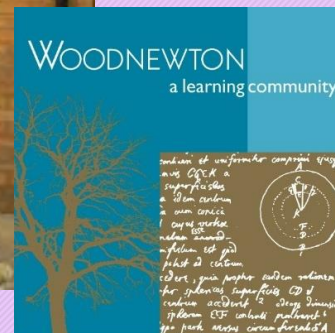
OUR CURRENT PROJECTS

Harborough Solar - Project 1 (installed mid 2016)

Links to our case studies for [Woodnewton](#) and [Archway](#)



Woodnewton Academy - Corby
56.2 kW installation across 4 roofs



Archway House - Harborough
10.3 kW installation



OUR CURRENT PROJECTS

Harborough Solar - Project 2 (installed end 2018)

Link to our launch news article for [NBJ](#)

NBJ Joinery - Sibertoft Road, Husbands Bosworth
102.6 kW ground mounted installation



Harborough Solar - Summary Solar PV Output

Our community owned installations at Woodnewton, Archway and now NBJ have generated **224,000 kWh*** of clean electricity since our first installations in AUG 2016 - saving an equivalent of **100 Tonnes of CO2***



* As at 01AUG19 - based on data from **The Energy Meter Information Gateway (eMIG)**

Host Site Output (Started)	Woodnewton Roof 1&2 (23AUG16)	Woodnewton Roof 3 (31AUG16)	Woodnewton Roof 4 (31AUG16)	Archway House (23SEP16)	Project 1 Total for Year (kWh)	Variance on Previous Year (avg)	NBJ (15DEC18) Project 2 Total for Year (kWh)	Rolling Total Output (kWh)
AUG16-JUL17	14,945	15,764	12,682	6,897	50,288	-	-	50,288
AUG17-JUL18	16,960	18,284	14,688	8,821	58,753	+3% (Pro Rata Estimate)	-	109,041
AUG18-JUL19	16,813	18,068	14,501	8,763	58,145	-1%	56,951	224,137
						Note: NBJ output for 18/19 covers approx. 7 months only.		

HOW ARE WE PERFORMING?

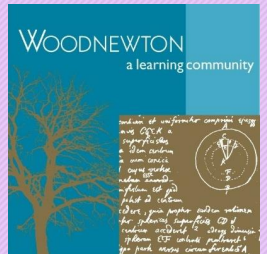
WOODNEWTON ROOF 1&2 – 01AUG19



Last reading 48,777.51 kWh (21,916.71 kg CO₂)
received at Aug 1, 2019 12:59 PM

Last 24 hours	45.88 kWh	20.61 kg CO ₂
Last Week	327.69 kWh	147.24 kg CO ₂
Last Month	2,220.00 kWh	997.49 kg CO ₂
Last Year	16,813.96 kWh	7,554.85 kg CO ₂

CO₂ saving based upon 0.44932 kg CO₂ / kWh



Installation Details

SIM Enabled

Meter ID 16079837

Installed Aug 23, 2016

Registered on Aug 24, 2016 8:46 AM

eMIG

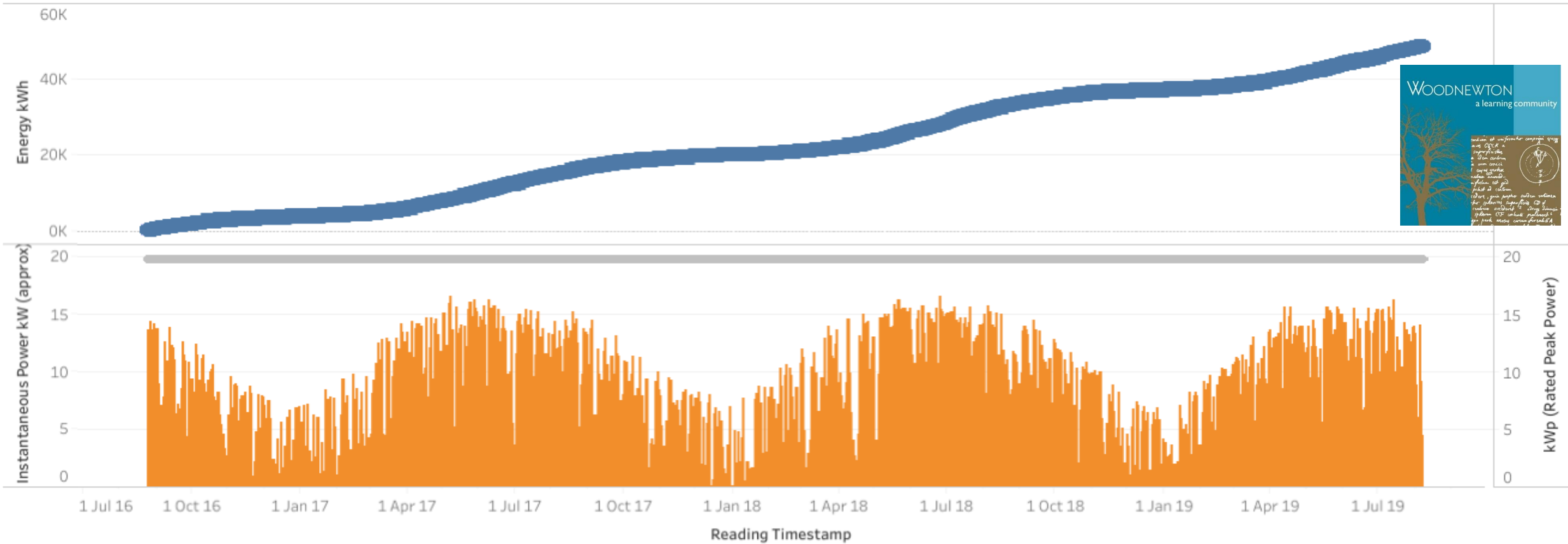
kW Peak 19.76 kW

HOW ARE WE PERFORMING?

WOODNEWTON ROOF 1&2 – 01AUG19



ENE_00040 - Woodnewton Roof 1&2 - Output since installed (AUG 2016)



HOW ARE WE PERFORMING?

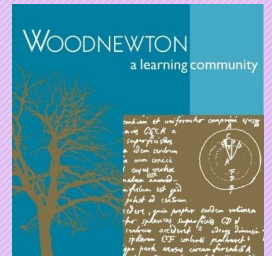
WOODNEWTON ROOF 3 – 01AUG19



Last reading received at 52,184.72 kWh (23,447.64 kg CO₂)
Aug 1, 2019 1:57 PM

Last 24 hours	57.02 kWh	25.62 kg CO ₂
Last Week	374.15 kWh	168.11 kg CO ₂
Last Month	2,493.39 kWh	1,120.33 kg CO ₂
Last Year	18,067.94 kWh	8,118.29 kg CO ₂

CO₂ saving based upon 0.44932 kg CO₂ / kWh



Installation Details

SIM Enabled

Meter ID 16038858

Installed Aug 31, 2016

Registered on Aug 30, 2016 12:39 PM

eMIG

kW Peak

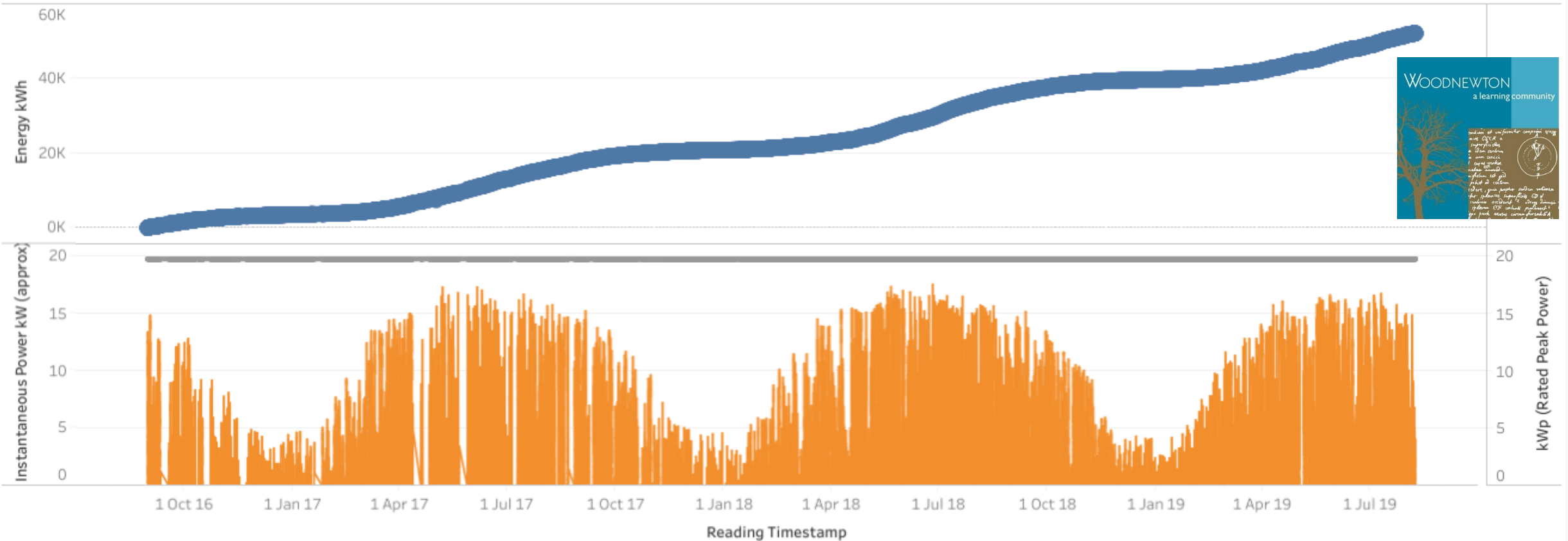
19.76 kW

HOW ARE WE PERFORMING?

WOODNEWTON ROOF 3 – 01AUG19



ENE_00038 - Woodnewton Roof 3 - Output since installed (AUG 2016)



HOW ARE WE PERFORMING?

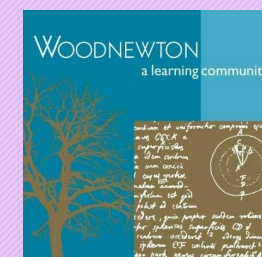
WOODNEWTON *ROOF 4* – 01AUG19



Last reading received at 41,927.78 kWh (18,838.99 kg CO₂)
Aug 1, 2019 8:58 AM

Last 24 hours	15.97 kWh	7.18 kg CO ₂
Last Week	265.03 kWh	119.08 kg CO ₂
Last Month	1,926.56 kWh	865.64 kg CO ₂
Last Year	14,501.61 kWh	6,515.86 kg CO ₂

CO₂ saving based upon 0.44932 kg CO₂ / kWh



Installation Details

SIM Enabled

Meter ID 16038857

Installed Aug 31, 2016

Registered on Aug 30, 2016 12:37 PM

eMIG

kW Peak

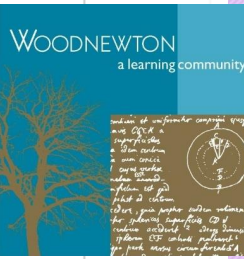
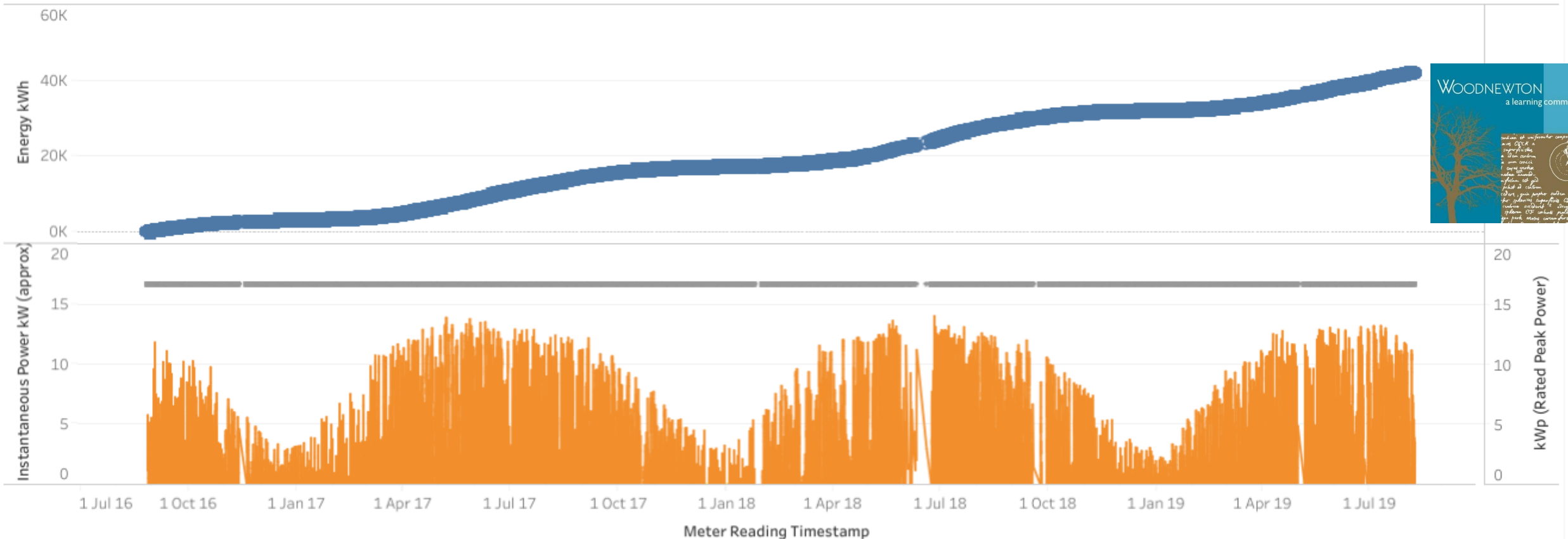
16.64 kW

HOW ARE WE PERFORMING?

WOODNEWTON *ROOF 4* – 01AUG19



ENE_00039 - Woodnewton Roof 4 - Output since installed (AUG 2016)



HOW ARE WE PERFORMING?

ARCHWAY HOUSE – 01AUG19



Last reading 24,503.00 kWh (11,009.69 kg CO₂)
received at Aug 1, 2019 1:59 PM

Last 24 hours	27.39 kWh	12.31 kg CO ₂
Last Week	164.82 kWh	74.06 kg CO ₂
Last Month	1,088.78 kWh	489.21 kg CO ₂
Last Year	8,763.25 kWh	3,937.50 kg CO ₂

CO₂ saving based upon 0.44932 kg CO₂ / kWh



Installation Details

SIM Enabled

Meter ID 16079836

Installed Sep 23, 2016

Registered on Sep 21, 2016 2:36 PM

eMIG

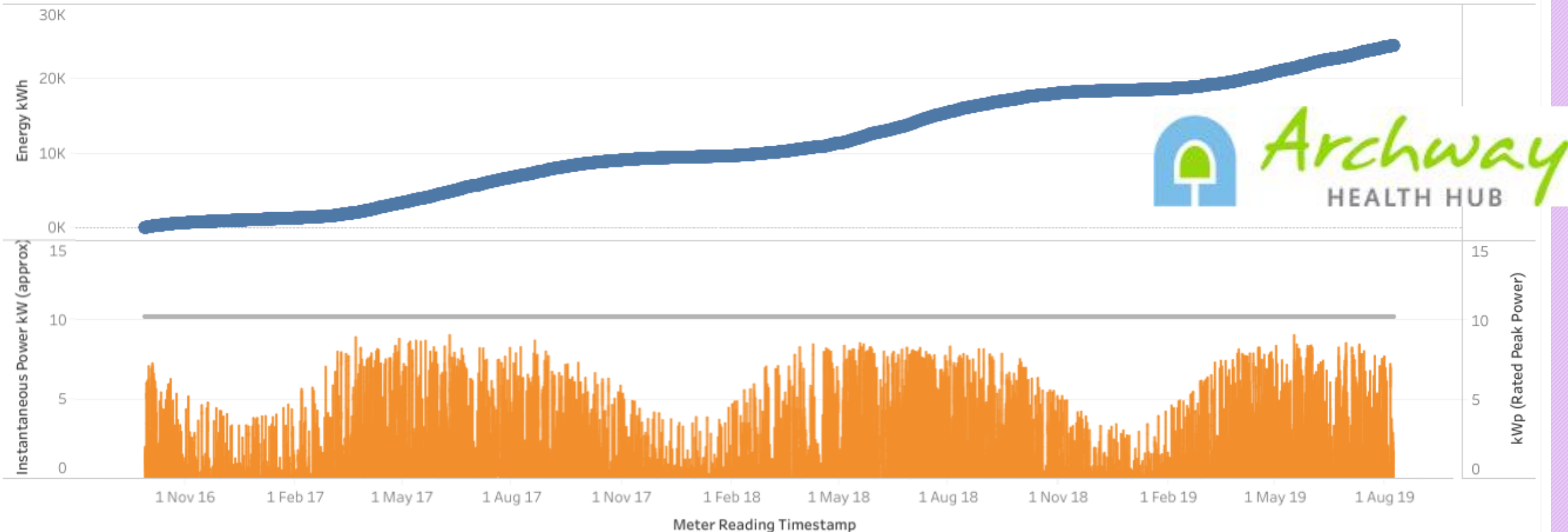
kW Peak 10.26 kW

HOW ARE WE PERFORMING?

ARCHWAY HOUSE – 01AUG19



ENE_00041 - Archway - Output since installed (SEP 2016)



HOW ARE WE PERFORMING?

NBJ – 01AUG19 (approx. 7 months)



Last reading	56,951.65 kWh	(25,589.52 kg CO ₂)
received at	Aug 1, 2019 7:02 AM	
Last 24 hours	87.24 kWh	39.20 kg CO ₂
Last Week	462.88 kWh	207.98 kg CO ₂
Last Month	12,377.10 kWh	5,561.28 kg CO ₂

CO₂ saving based upon 0.44932 kg CO₂ / kWh



Installation Details

SIM Enabled

Meter ID 18065055

Installed Dec 15, 2018

Registered on Dec 12, 2018 3:26 PM

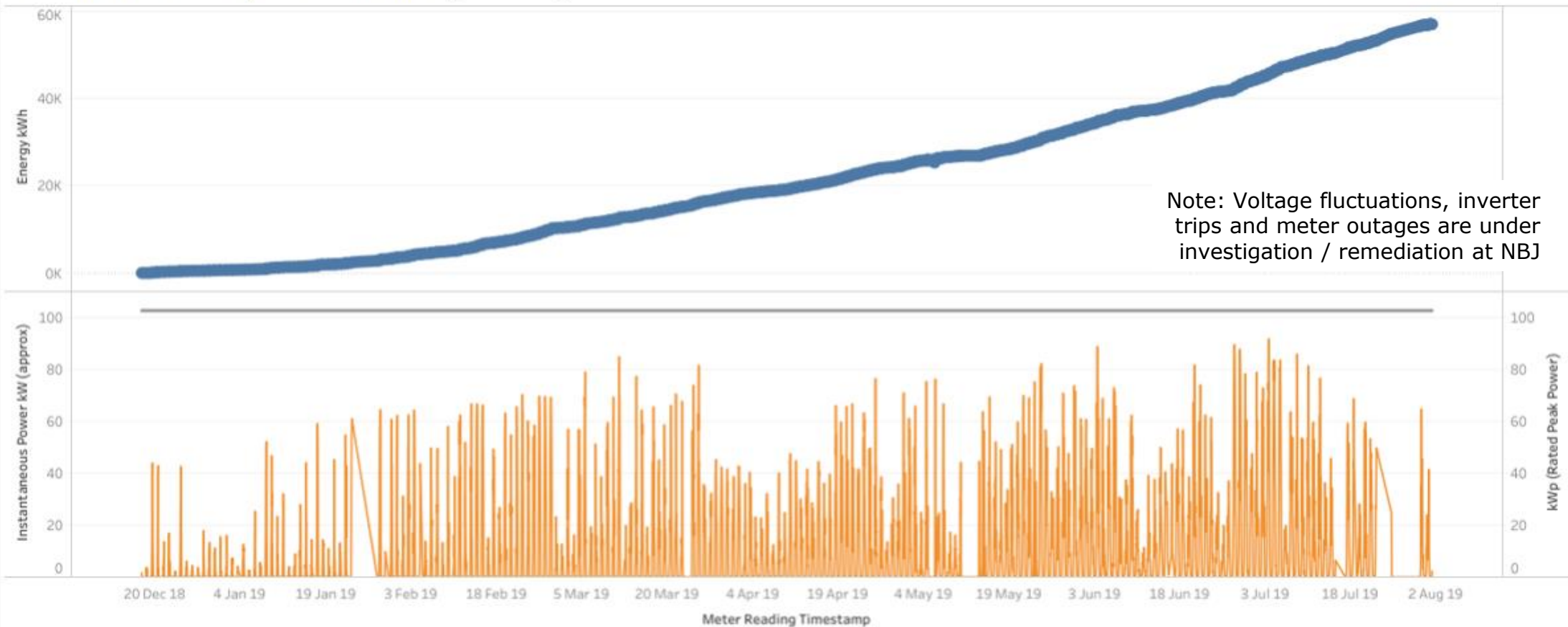
eMIG
kW Peak 102.60 kW

HOW ARE WE PERFORMING?

NBJ – 02AUG19 (approx. 7 months)



ENE_00051 - NBJ - Output since installed (DEC 2018)



HOW ARE WE PERFORMING?

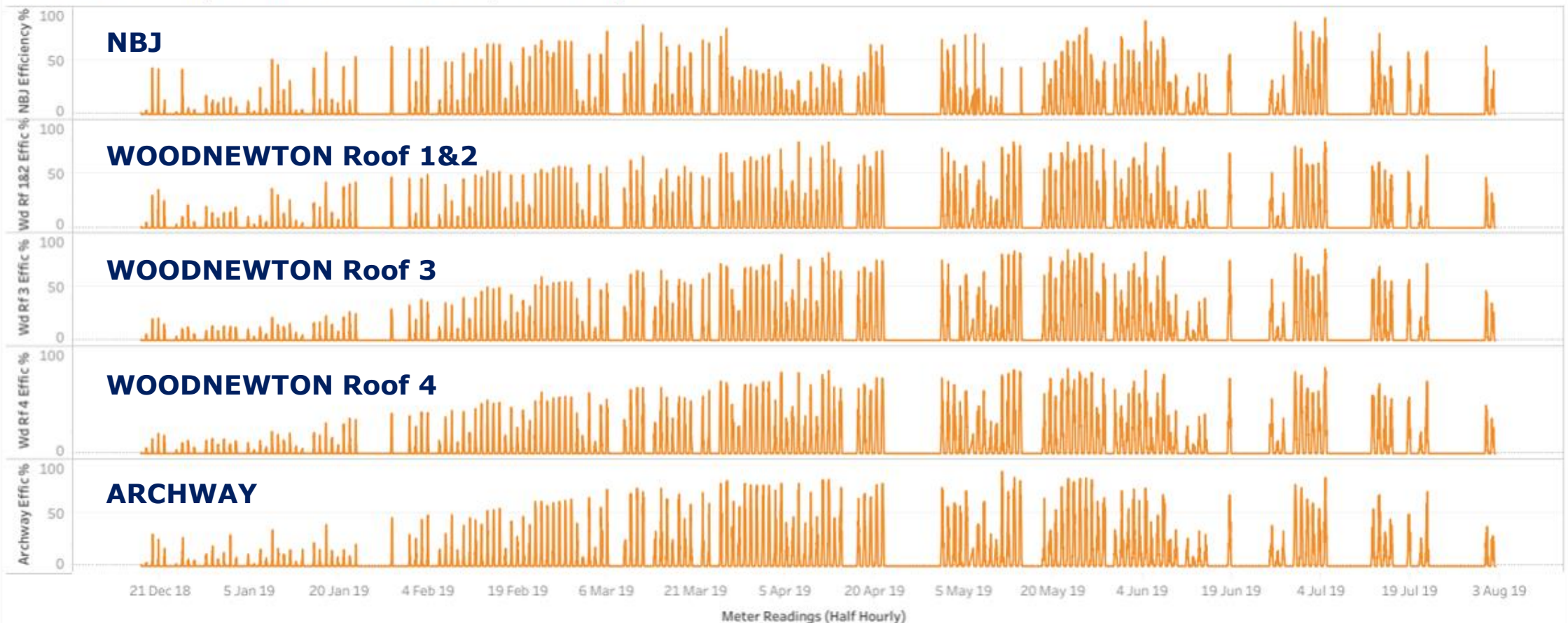
Harborough Solar Projects

Output Efficiency % (DEC18-AUG19)



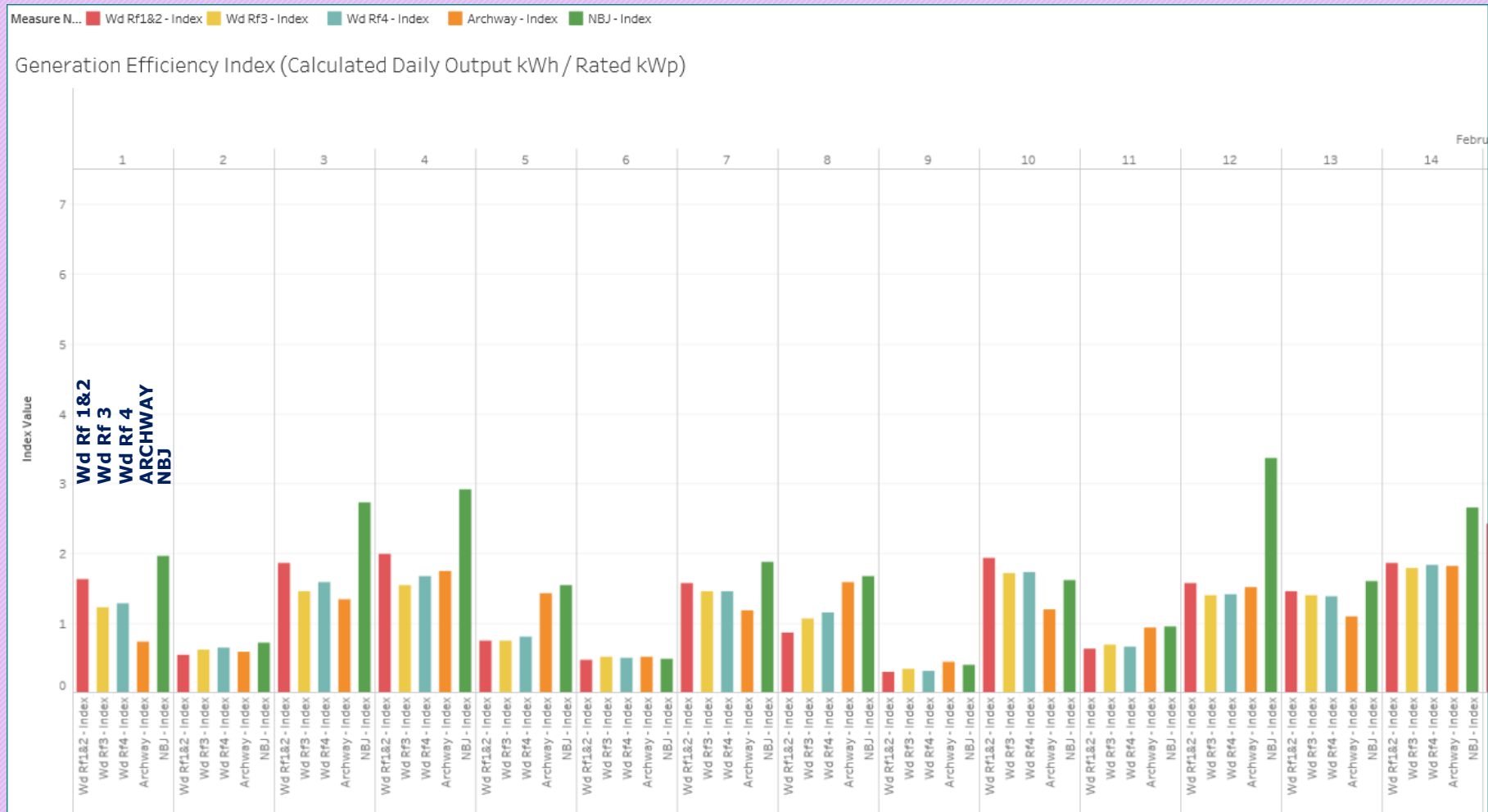
Solar Efficiency % (Instantaneous Output kW / Rated kWp)

Note: The variations in output are due to the daily sunshine levels. Very occasionally data transmission gaps may indicate equipment failure and there may be zero output, so monitoring supervision is alerted for rapid repair.



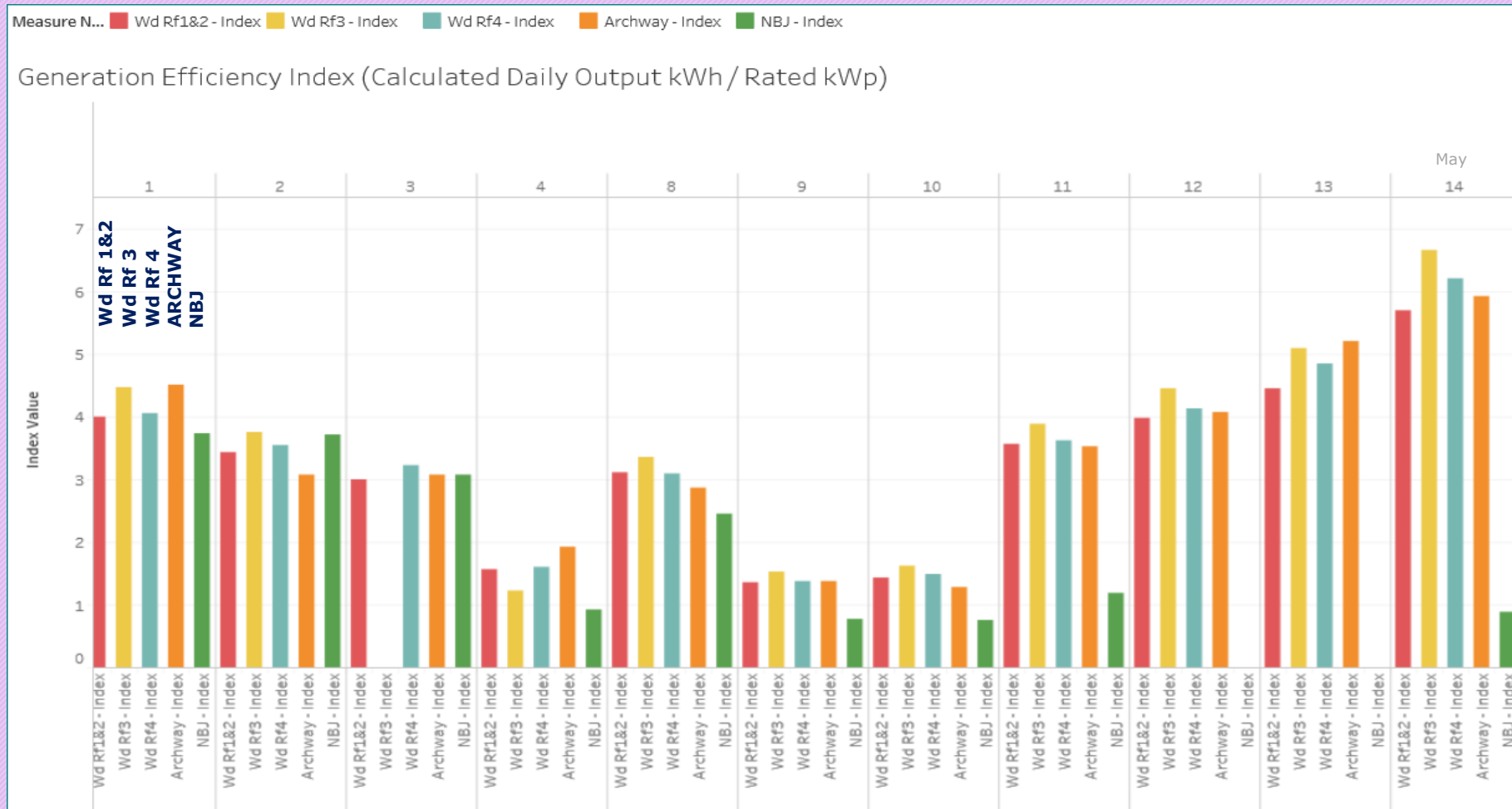
HOW ARE WE PERFORMING?

Harborough Solar Projects Output Index - Daily (eg early FEB19)



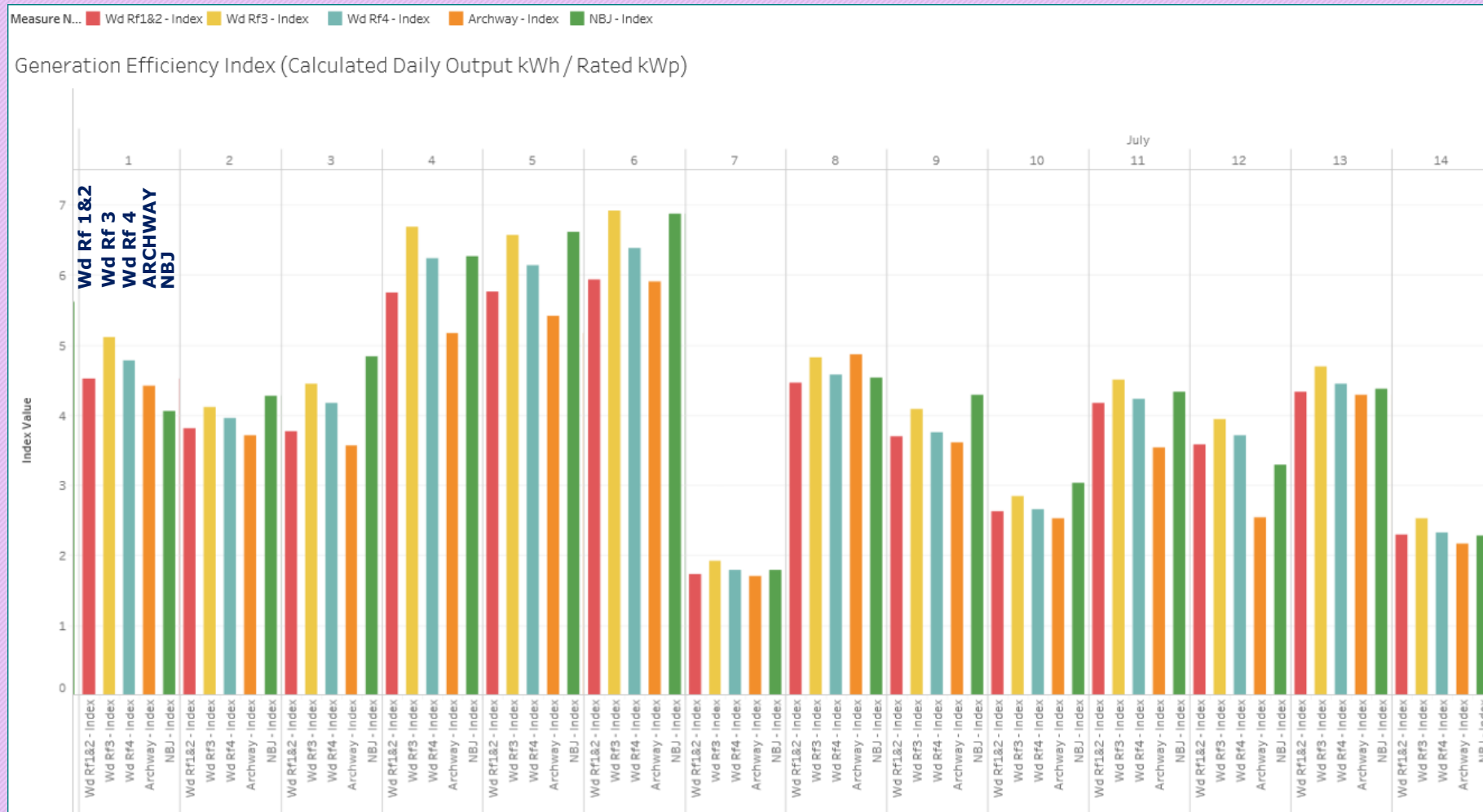
HOW ARE WE PERFORMING?

Harborough Solar Projects Output Index - Daily (eg early MAY19)



HOW ARE WE PERFORMING?

Harborough Solar Projects Output Index - Daily (eg early JUL19)



**For further details,
please visit our website:**

www.HarboroughEnergy.co.uk

Or contact us on:

Info@HarboroughEnergy.co.uk



Our data is provided
by **The Energy
Meter Information
Gateway (eMIG)** -
an online tool for
remotely measuring
and monitoring
energy generation.