

Harborough Solar One Annual General Meeting

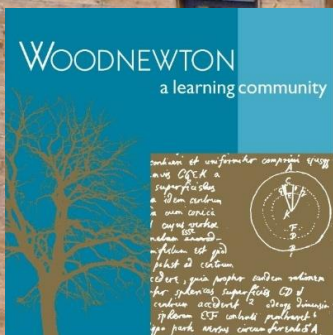
19th November 2019 (DJR/v1.1 - FINAL)

Harborough Solar One

Created and Supported by:



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



Annual General Meeting - AGENDA

Harborough Solar One

- **Welcome and Introduction** - **Peter Jones (Chair)**
- **Project Updates 2019:**
 - **Financial update** - **Gavin Fletcher (Treasurer)**
 - **Solar PV performance** - **David Robbins (Director)**
- **Annual General Meeting Formalities**
 - **Directors Resignations**
 - **Nominations and appointment of the Board of Directors**
 - **Receipt of Accounts**
 - **Close of formal business**
- **Other Items**
 - **Application of profits**
 - **Investor returns**
 - **Community benefit fund**
 - **Any other business**
- **Close**



OUR PURPOSE

Harborough Solar One

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

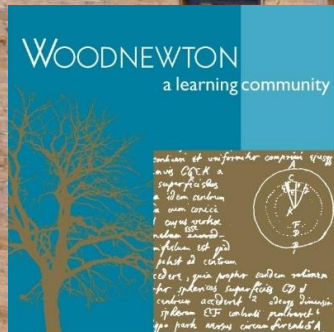


Harborough Solar Projects

Financial Summary

Gavin Fletcher / Mark Buckmaster

Harborough Solar One



Harborough Solar One – Project 1

Financials for most recent year (2018/19)

Harborough Solar One

Cash at bank at 1st August 2018 - £17,902.95

Income	Predicted	Actual	Income Difference
Feed in Tariff + Export Tariff	£4,255	£4,189.52	-£65.48
Power Sales	£5,082	£5,907.73	£825.73
VAT repay	£0	£197.93	£197.93
<i>Sub total</i>	<i>£9,337</i>	<i>£10,295.18</i>	<i>£958.18</i>
Expenditure			Expenditure Difference
Insurance	£951	-£1,084.44	-£133.44
VAT	£0	-£1,163.12	-£1,163.12
Investor interest payments	£4,425	-£4,005.00	£420
FCA payment + accounting	£925	-£656.60	£268.40
Harborough Energy Repay	£0	£0	£0
<i>Sub total</i>	<i>£6,301</i>	<i>-£6,909.16</i>	<i>-£608.16</i>
Total	£3,036	£3,386.02	£350.02

Cash at bank at 31st July 2019 - £13,682.55

Harborough Solar One - Project 2 Overview

Harborough Solar One

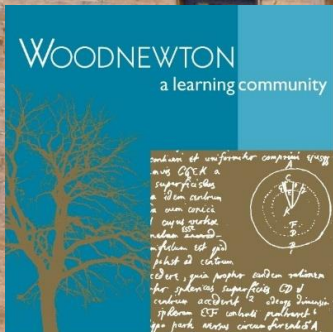
- Amount raised through share offer - £99,000
- Number of investors - 45 (29 in Leicestershire or Northamptonshire)
- Size of PV array - 102.6 kW
- Number of PV panels - 360 at 285W peak output
- Cost of system - £100,671
- Cost of share raise fees - £5,980
- Investment from HS1 bank account - £7,651
- 51 tonnes of CO2 savings per year
- 95,931 kWh generated per year (depending on the weather!)
- Projected community benefit fund of £37,000 over the life of the project

Harborough Solar Projects

Annual Output Summary

David Robbins

Harborough Solar One



OUR CURRENT PROJECTS

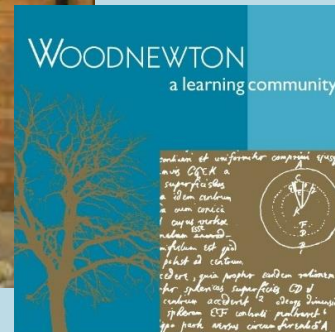
Harborough Solar - Project 1 (installed mid 2016)

Harborough Solar One

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 One

Harborough Solar - Summary Solar PV Output

Our 170 kW of 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 **100 Tonnes of CO2*****

Harborough Solar One

* 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?

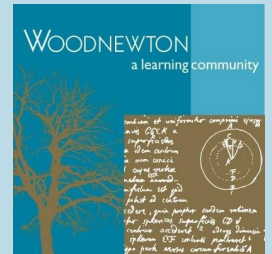
Harborough Solar One

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

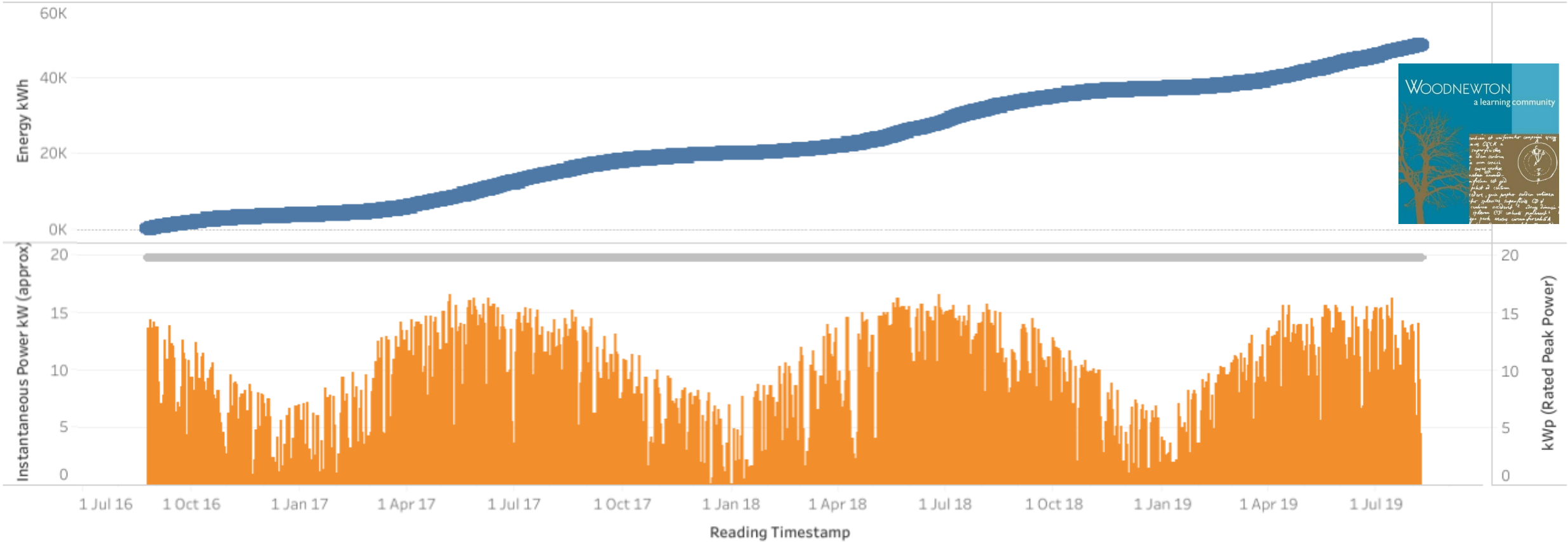
kW Peak 19.76 kW

HOW ARE WE PERFORMING?

Harborough Solar One

WOODNEWTON ROOF 1&2 – 01AUG19

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



HOW ARE WE PERFORMING?

ARCHWAY HOUSE – 01AUG19

Harborough Solar One

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

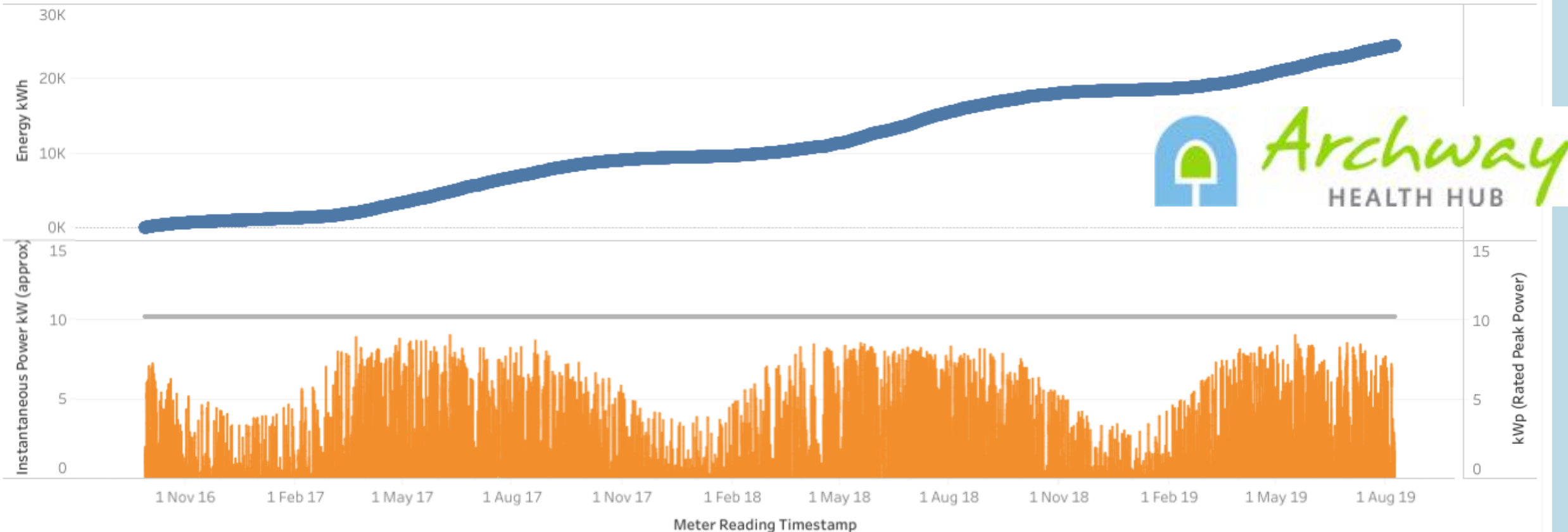
kW Peak 10.26 kW

HOW ARE WE PERFORMING?

Harborough Solar One

ARCHWAY HOUSE – 01AUG19

ENE_00041 - Archway - Output since installed (SEP 2016)



HOW ARE WE PERFORMING?

Harborough Solar One

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

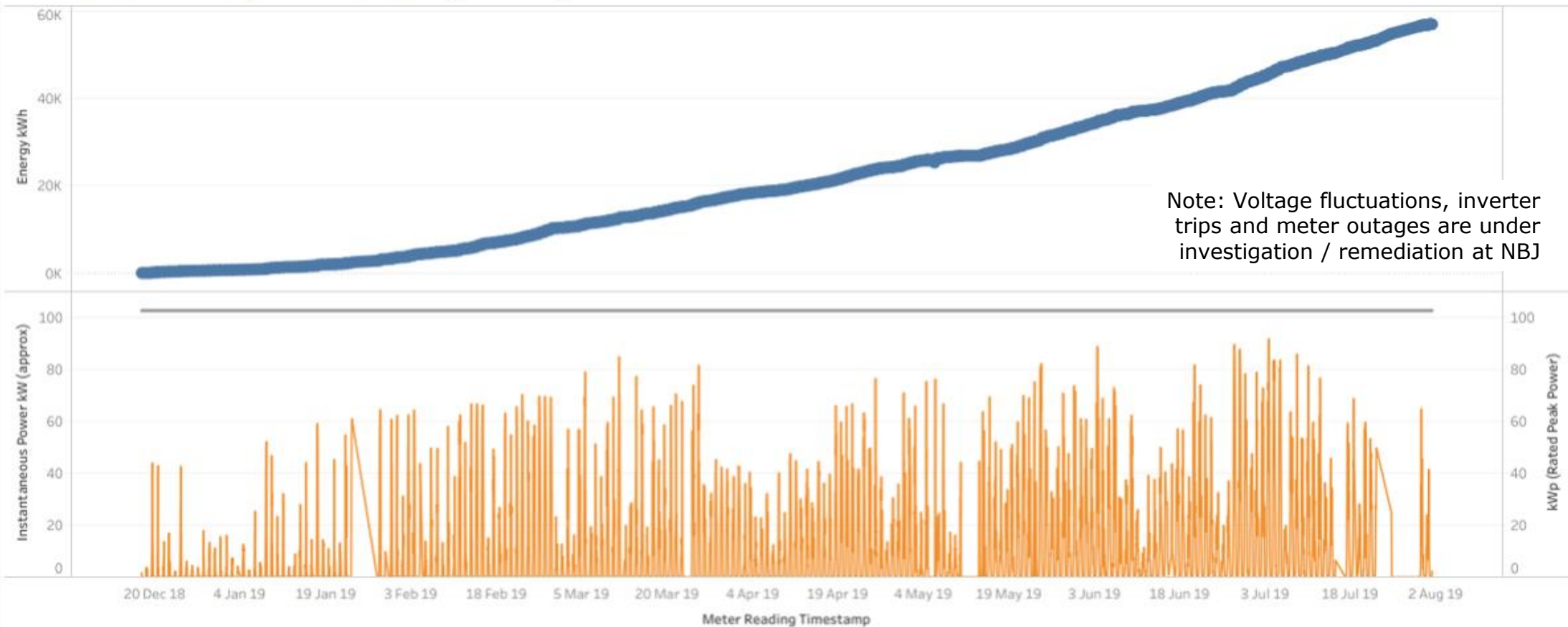
eMIG kW Peak 102.60 kW

HOW ARE WE PERFORMING?

Harborough Solar One

NBJ – 02AUG19 (approx. 7 months)

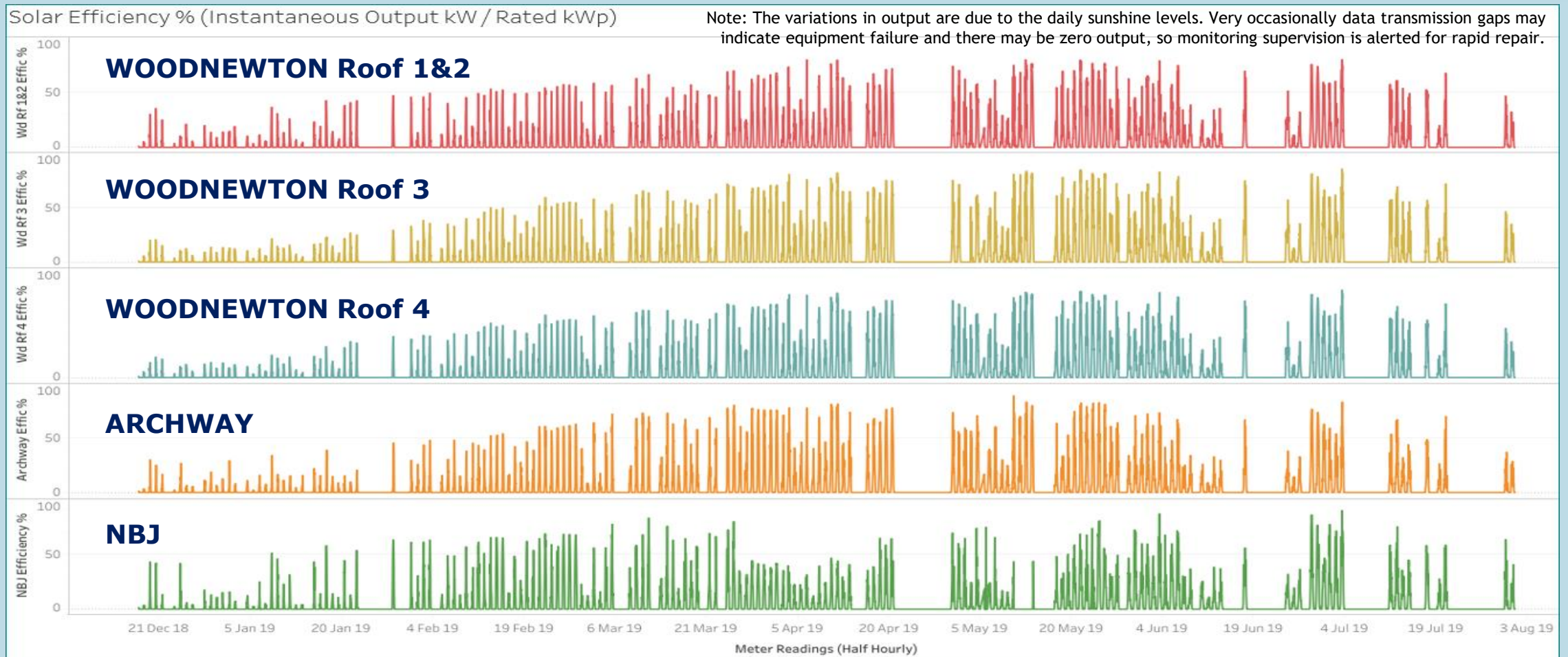
ENE_00051 - NBJ - Output since installed (DEC 2018)



HOW ARE WE PERFORMING?

Harborough Solar One

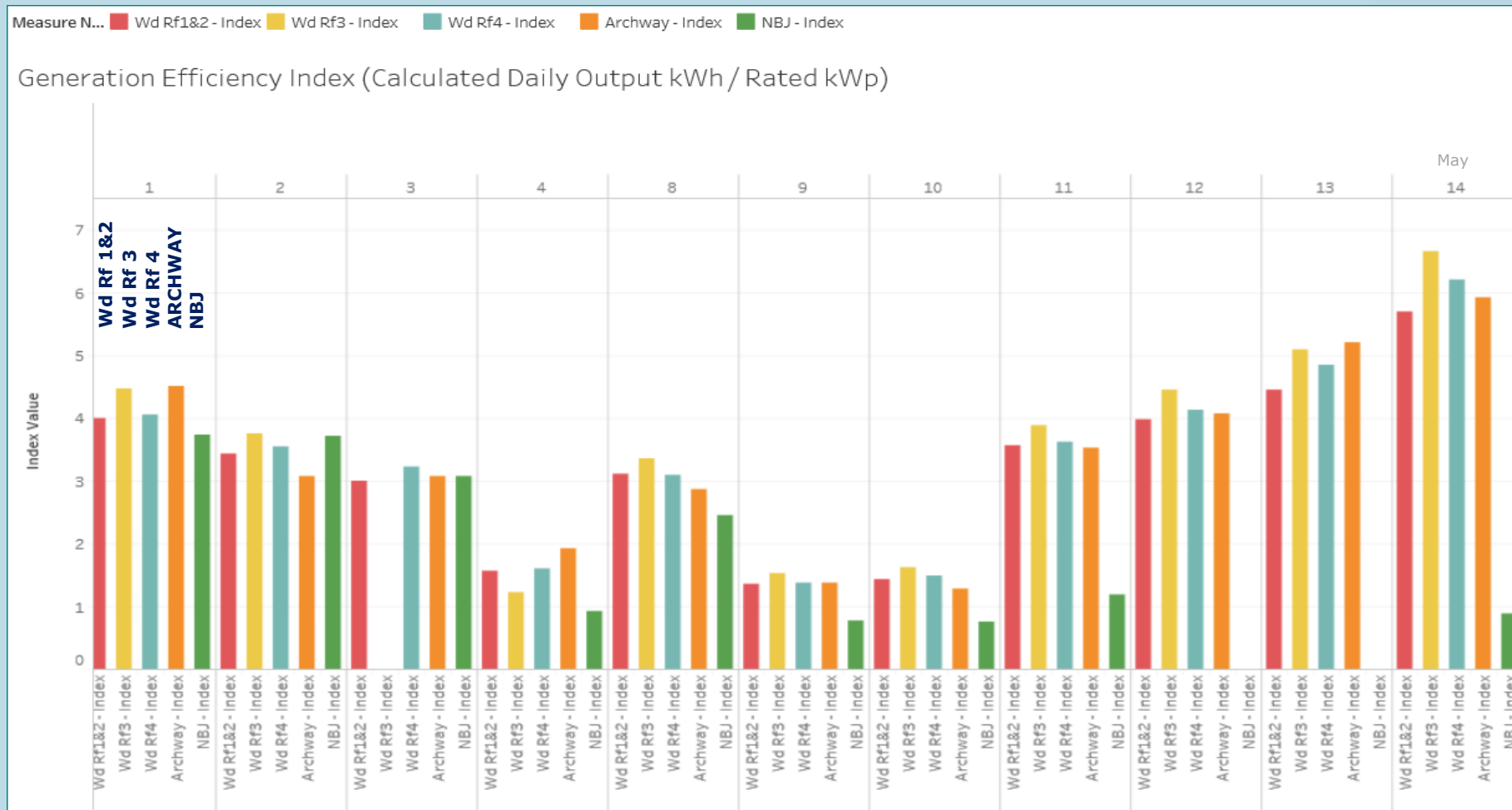
Harborough Solar Projects Output Efficiency % (DEC18-AUG19)



HOW ARE WE PERFORMING?

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

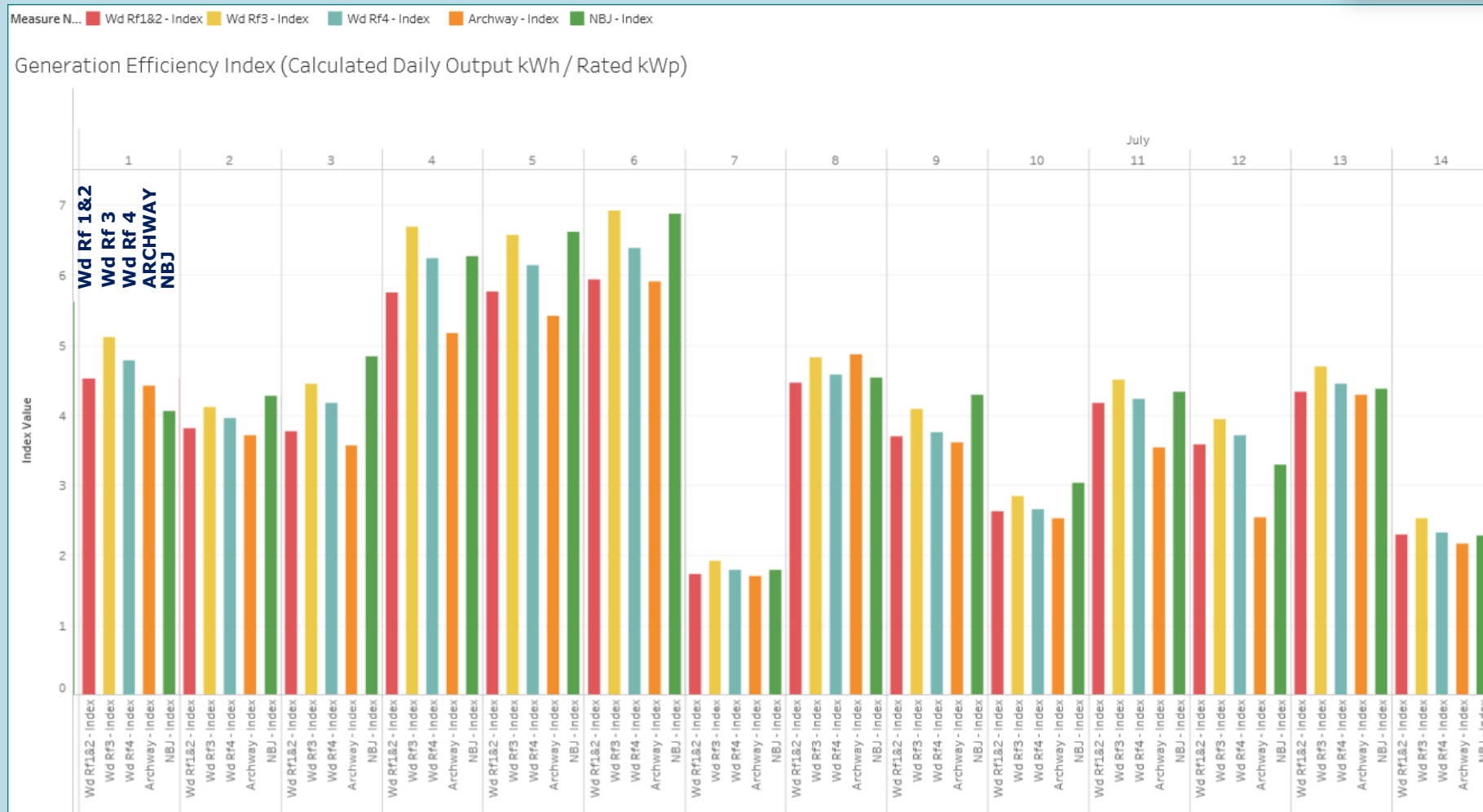
Harborough Solar One



HOW ARE WE PERFORMING?

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

Harborough Solar One



Annual General Meeting (contd.)

Harborough Solar One

Annual General Meeting Formalities - Peter Jones (Chair)

- **Directors Resignations**
- **Nominations and appointment of the Board of Directors**
- **Receipt of Accounts**

Close of formal business

- **Other Items**
 - **Application of profits**
 - **Investor returns**
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- **Close**



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

www.HarboroughEnergy.co.uk

Or contact us on:

Info@HarboroughEnergy.co.uk



Harborough Solar One

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