



Directors Report 2022/23

Welcome to our seventh anniversary and AGM

The Directors propose to pay 4% interest on the second year of our Series II bond.

This year the society has successfully moved our operations and maintenance contract for the residential solar portfolio from British Gas Solar to Berneslai Homes Construction Services.

Part of the reason for the switch is to retain additional local economic benefit from our project, whilst reducing the amount of time arranging home visits, reducing electrician visits/mileage, training apprentice solar electricians/engineers and utilising Berneslai Homes stores to stock inverter and part replacements. Our thanks to our asset manager Gen Community Ventures for the contract negotiation and review of the service to date.

Both our residential and commercial solar generation was up year on year, resulting in increased revenues. Some of the increased revenues has been offset by higher commercial portfolio remedial works, and the increased legal costs associated with our 1000 homes project.

However, the Society has accrued the projected income in year two to be in line with our Solar Bond refinancing model in another three years' time.

Our 2022/23 Solar Community fund was distributed to Thurgoland Bowling Club which is situated in the heart of Thurgoland village.

The club is thriving, having provided bowling for over 50 years to the local community, ranging from beginners to expert bowlers. Run by an active and dedicated committee of volunteers, the club has over 80 members of all ages who play regularly, providing players with gentle exercise and valuable social contact.

Our grant enabled all 12 halogen external lights to be stripped out, allowing for the lighting posts to be extended by 2 meters for the fitting of 16 x 150W LED fittings.

Our thanks to local contractors CTE contractors and Alan at the bowling club who commented on the vast improvement in lighting the bowling green, in addition to the electricity bill savings.

We completed our Energy Redress Fund 'Smart Solar in Barnsley' project with Age UK Barnsley, the NEA (National Energy Action) and Berneslai Homes at Easter, with the final report disseminated to the Energy Savings Trust in Autumn.



The project was delivered by Energise Barnsley, and all consortium members enjoyed working on the project, with project residents especially happy with the retrofit battery installations and resultant electricity bill savings.

We hope you will enjoy the AGM presentation on the results from the project, as presented by our Society Secretary Bethan Wynton.

Plenty of positive responses from tenants can be found in the report on our website, not too dissimilar to this quote:

"I think the Government should fit solar panels and storage batteries in every home to help with the cost of electricity. They should install them for all pensioners and the poorest families. The systems are a big help. I am thrilled to pieces and ecstatic with the battery system."

For one household on the biomass heat network, 6 years of smart meter readings were available. Over a period of about a year after the battery was installed, the electricity grid consumption by the household was reduced by 47%. A major electricity bill saving at a time of a cost-of-living crisis.

The Society is now looking to combine the results, and our experiences and knowledge of the Smart Solar project, with our other two solar, battery and demand side response innovation project to enter the Northern PowerGrid Local Flexibility Community DSO competition. This continues our work to enable local communities to be participants in the just transition to a low carbon flexible grid and economy.

As an update on the 1000 homes project, we have been making good progress with the Berneslai Homes project delivery team, conducting due diligence on the existing portfolio, where we have identified considerable increased revenue savings, whilst getting solar connection consents from Northern PowerGrid approved.

The contractual considerations with Barnsley Council have continued at a more glacial pace, although we now believe we are very close to concluding these, issuing the solar tender and publishing the bond offer.

Please contact us if you would like a copy of the Smart Solar Project sent to you directly,

Best regards,

A handwritten signature in blue ink that reads "Andy Heald".

Andy Heald



Solar Performance and O&M Report (Period: 01 Aug 2022 to 31 July 2023)

Residential – Generation & Weather Conditions

The generation performance of the residential portfolio was 4% higher than that seen during the previous 12 months. We can contribute that mostly to the high levels of irradiance from Jan – July 2022.

- The first half of this period (Aug – Dec 2022) had significantly more irradiance than we would typically expect, which meant that the overall generation was higher than forecast. However, that was then balanced out with 6 months of lower irradiance levels than usual (Jan – Jul 2023). Each month in this period had an average generation 5% higher compared to the year before.
- Met Office datasets for the Midlands record 554.3 hours of sunshine between Aug-Dec 2022, which is slightly higher than the 30-year average of 518 hours. Then the records show 867 hours of sunshine between Jan – Jul 2023. This is far lower than the regional 30-year mean (960.7).

Residential O&M

Energise Barnsley has worked hard with Berneslai Homes to ‘catch up’ with O&M visits in the last 9 months. In total 15 systems have been visited and many of those have received inverter replacements which is in line with expectations at this stage in the life of the portfolio. 3 of these visits also experienced no access being permitted by the resident, so those systems are impossible to fix until the resident moves out.

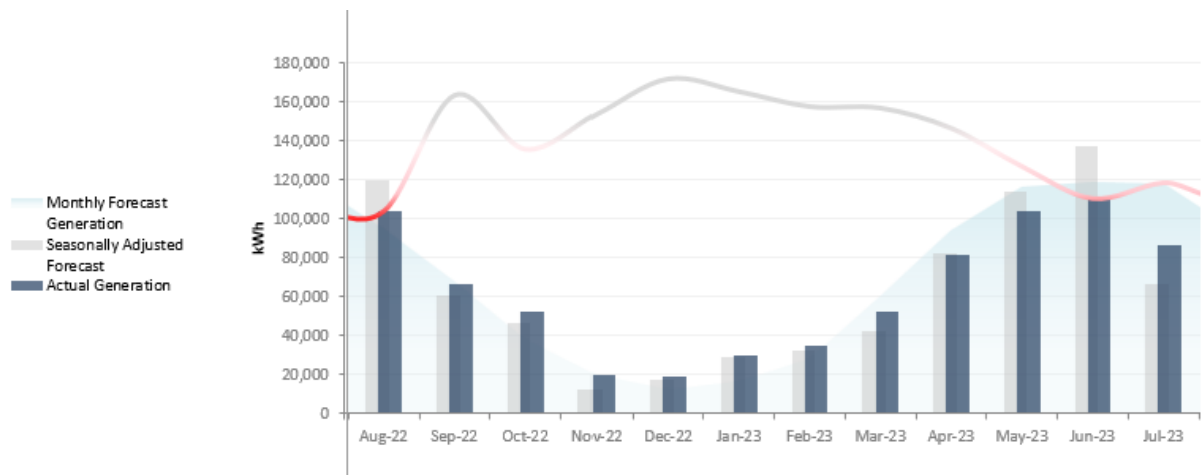
We continue to hold several replacement inverters in reserve (as per our commitment at the 2019 AGM). This allows us to replace equipment quickly. We currently have 16 offline systems, and 3 that have very low performance, all of which are being addressed as rapidly as possible by coordinating with Berneslai Homes.

Residential – Revenue

Feed-in Tariff revenue from the solar PV generated electricity increased by 14% relative to the previous 12 months. This is partly due to high irradiance levels in the last two quarters of 2022, and the 13.4% uplift provided by feed in tariff indexation which took effect from April 2023.

Residential – Summary Table

Generation (kWhs)		+3.8%	Revenue (£) net of VAT		+14%
Aug21-July22	732,879		Aug21-July22	124,129	
Aug22-July23	761,052	Aug22-July23	141,470		





Commercial – Generation (kWh’s and O&M)

The generation performance of the commercial portfolio was 5.8% higher than the previous 12 months. The commercial installations are fitted with voltage optimisers which make them more adaptive to changing weather conditions. As a result, the reduction in output for the commercial sites has been less steep than might otherwise be the case. O&M issues have been kept to a minimum with no equipment failures – enabling the portfolio to make the most of the sunlight available.

In the commercial portfolio we have found that the SolarEdge optimisers have failed in some instances. However, as we do not have direct communications with the inverter (sometimes due to school internet firewall protection), it proved difficult to detect when the optimisers were failing. To remedy this we have installed remote routers with a roaming SIM card, so that we have access to the inverter communications in real time, and can efficiently send out remedial works where necessary.

Athersley South Primary needed another inverter replaced in April 2023 after one was replaced last year, along with a new SIM. The generation is now 10% higher than we’d expect for this time of year on this site.

Kendray Business Centre was seeing low generation, so an inverter was replaced on that system over the summer of 2023, we are seeing the generation increase again now.

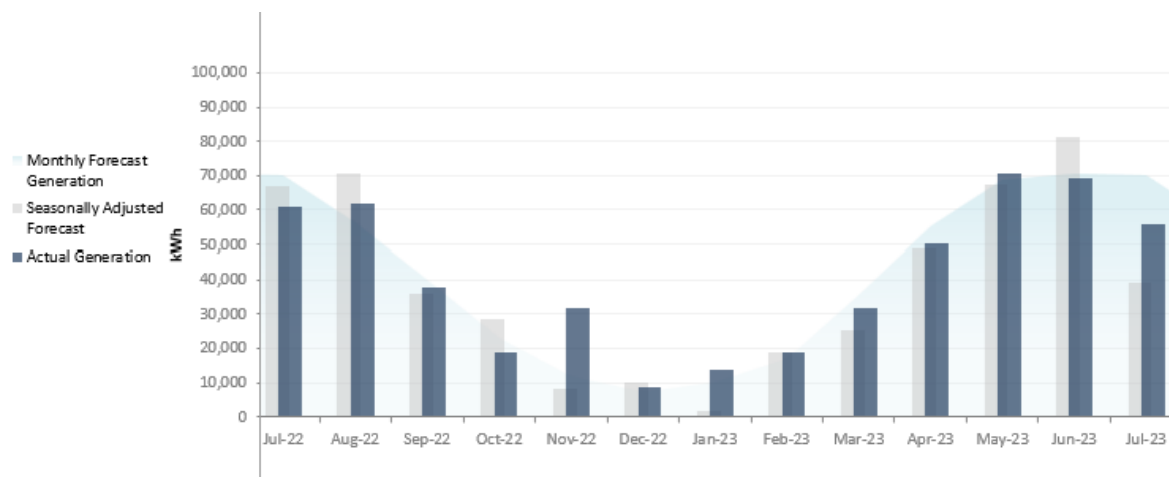
Commercial – Revenue

FIT Revenue from the commercial systems was 13.7% higher than equivalent period last year – helped by the 13.4% rise in feed-in tariff indexation which became effective from 01 April 2023, as well as the efforts to improve generation figures through replacing failing inverters.

PPA (power purchase agreement) revenue from the latest billing period (August 2022 to July 2023) came in at £20,719 which is back to usual levels, due to regular access of export meters again after the lockdowns.

Commercial – Summary Table

	Generation (kWhs)		Revenue (£) net of VAT	
Aug21-July22	444,614	+5.8%	Aug21-July22	59,142
Aug22-July23	470,320		Aug22-July23	67,248
				13.7%



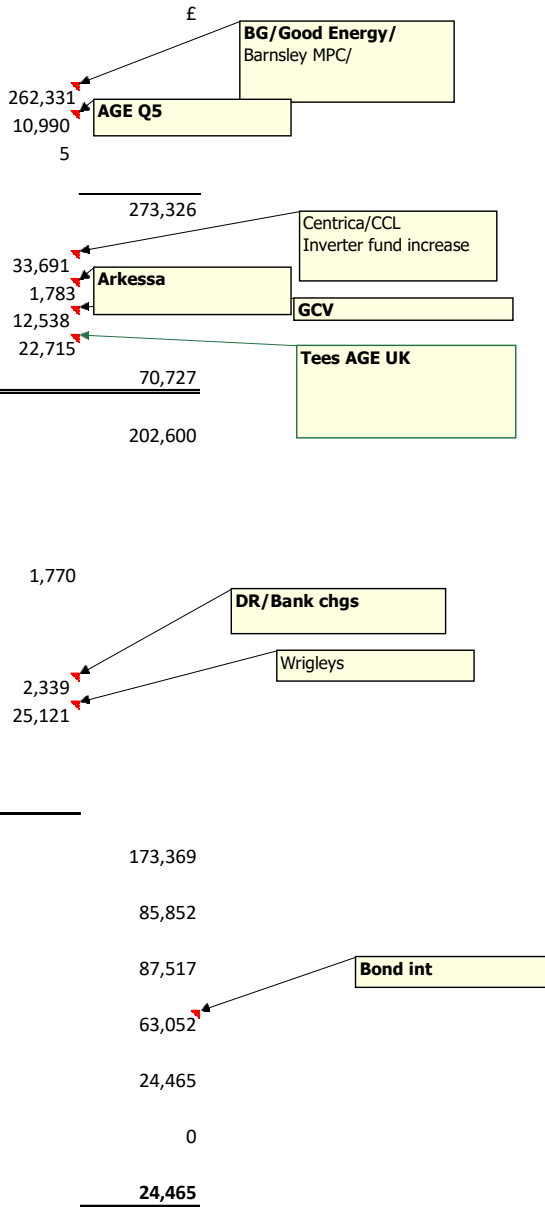
Overall Summary of Portfolio Revenue

	Previous Period	Current Period	Change vs Last Year
	Aug-21 to July-22	Aug-22 to July-23	
Residential Income	£124,129	£141,470	
Commercial Income	£56,293	£67,248	
PPA Income	£24,942	£20,719	
TOTAL	£205,364	£229,437	+12%



ENERGISE BARNSELY
Profit & Loss Account 31-7-2023

	£		£
Revenue	262,331		
Grant Income (Project Age UK)	10,990		
Miscellaneous Income	5		
		273,326	
O&M	33,691		
Project Costs	1,783		
GCV Asset Management Fees	12,538		
Grant Costs (Age UK)	22,715		
		70,727	
Trading Surplus		202,600	
 <u>Overheads</u>			
Staffing			
Insurance	1,770		
Print/Post/Stationary			
Travel & Entertaining			
Miscellaneous			
Accounting/Finance/Regulatory	2,339		
Legals	25,121		
Professional Fees			
Marketing/Website			
FX Diff			
EBITDA		173,369	
Depreciation and Amortisation		85,852	
EBIT		87,517	
Interest		63,052	
EBT		24,465	
Taxation		0	
PAT		<u>24,465</u>	





ENERGISE BARNLSLEY
Balance Sheet 31-07-2023

	£	£
<u>Assets</u>		
Plant & Machinery	1,062,209	
Other	200,091	
<u>Current Assets</u>		
Stock	1,500	
Trade Debtors	105,260	
Other Debtors	88,775	
Taxation	2,785	
Cash	<u>264,573</u>	
	462,894	
<u>Current Liabilities:</u>		
Trade Creditors	(19)	
Other Creditors	0	
Accruals	121,333	
Taxation	<u>121,314</u>	
	121,314	
Current Assets Less Current Liabilities		341,579
Total Assets Less Current Liabilities		<u>1,603,880</u>
<u>Long Term Liabilities</u>		
Charity Bank		
Bond Capital	1,677,268	1,677,268
Net Assets		<u><u>(73,388)</u></u>
<u>Capital & Reserves</u>		
Member Capital		133
Reserves		(97,864)
Profit & Loss Account		24,465
Shareholder Funds		<u><u>(73,266)</u></u>



ENERGISE BARNSLEY
Balance Sheet Breakdown 31-07-2023

		£
Stock	3 Inverters @ 500	1,500.00
Trade debtors		
	BG Q2 223	27,846.14
	BG Q1-3 21	4,397.00
	GE Q1 23	73,016.67
		<u>105,259.81</u>
Other debtors		<u>-</u>
Prepayments & Accrued Income		
	Barnsley MPC 22	10,000.00
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	BG FIT Jul 22	13,526.43
	Good Energy July 23 - Estimate	14,000.00
	Good Energy Q2 2023	41,248.84
		<u>88,775.27</u>
Trade creditors		
	Arkessa	400.87
	Centrica	- 420.00
		<u>- 19.13</u>
Sundry Creditors		<u>-</u>
Accruals		
31/7/17	Inverter Replacement fund (10 Year Warranty)	35,648.54
31/7/21	GCV Jul 21 Fees	948.87
31/7/22	David Rhodes	165.00
31/07/2022	O&M 23	15,000.00
	Bond Int 2023 @4%	69,571.00
		<u>121,333.41</u>
Other creditors		<u>-</u>
Director loans		<u>-</u>
Deferred income		<u>-</u>
Taxation	VAT	2,785.24
		<u>2,785.24</u>