**SOLAR PV ASSET MANAGER'S REPORT FOR 2025 AGM**

**Photovoltaic Portfolio**

During the 2024-25 Financial Year we continued to operate with the 16 sites in our current portfolio, meaning we still have just under 600kW of solar panels. At the time of installation these should have generated about 540,222kWh of electricity per annum (the MCS Projection) – enough to power over 180 average homes with their electricity needs for a year.

Last Financial Year again saw us underperform the MCS projection. Generation was 4.01% under projection. However, we would expect a degradation in performance of between 0.5% and 0.8% per annum, so as our systems have been in place now for between 8 and 9 years, this drop off is understandable. Other factors do play a part too, such as dirty panels and faults.

We have addressed the biggest culprits for dirty panels and are now cleaning those sites with livestock present on an annual basis (Pythouse Farm, Totterdale Farm Dairy Unit and Bridzor Farm). The cleaning obviously comes with a price tag (about £3,000 per annum), but without it we would see a really serious drop off in performance over time.

In terms of faults, we experienced a problem at Leehurst Swan which was down to water ingress into some of the connections, and this meant that on some days the system did not generate at all. We have now had this addressed and will hopefully not see a recurrence. Our contractor also cleaned the panels there whilst the scaffolding was up, free of charge.

Last year we reported the fault at Totterdale Farm, and our servicing partner, T H White obtained a quote for the scaffolding needed to examine the array, but because of the roof construction internal netting is needed for health and safety, and this would have come with a cost of over £10,000, meaning it is not cost effective to do.

Pouldens Farm is also underperforming, but this is a small site with very little on-site consumption of the power we generate, so not cost effective to spend too much time and money on dealing with it.

## Table of System Performance

| NADDER COMMUNITY ENERGY - SOLAR PV SITES | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | **SITE NAME** | **INSTALLATION SIZE (kW)** | **ESTIMATED ANNUAL GENERATION (kWh)** | **ACHIEVED 2023/24** | **ACHIEVED 2024/25** | **PERFORMANCE RELATIVE TO PROJECTION** |
| 1 | Nectar Imports Ltd | 49.92 | 43,543.00 | 47,932.30 | 47,143.30 | 8.27% |
| 2 | Fonthill Waters Ltd | 49.92 | 43,543.00 | 46,370.70 | 45,163.70 | 3.72% |
| 3 | Mail & Print Limited | 49.92 | 43,543.00 | 46,388.70 | 44,662.90 | 2.57% |
| 4 | Guild Anderson Furniture Ltd | 49.92 | 43,543.00 | 46,153.00 | 44,727.40 | 2.72% |
| 5 | Pythouse Farm | 49.82 | 47,827.00 | 46,922.90 | 46,183.30 | (3.44%) |
| 6 | Totterdale Farm Dairy Unit | 46.28 | 42,115.00 | 37,385.90 | 39,309.20 | (6.66%) |
| 7 | Totterdale Farm | 27.56 | 24,613.00 | 21,604.80 | 18,126.80 | (26.35%) |
| 8 | Pouldens Farm | 17.92 | 15,534.00 | 12,057.30 | 10,902.10 | (29.82%) |
| 9 | Bridzor Farm | 49.84 | 43,050.00 | 31,237.90 | 41,932.30 | (2.60%) |
| 10 | Fonthill New Abbey Barn | 25.44 | 22,311.00 | 21,484.40 | 21,413.80 | (4.02%) |
| 11 | St Peter's CofE Academy | 29.7 | 27,555.90 | 30,096.50 | 29,371.30 | 6.59% |
| 12 | Leehurst Swan School | 29.8 | 27,024.10 | 24,737.10 | 22,376.00 | (17.20%) |
| 13 | Wylye Valley School | 29.98 | 29,290.00 | 28,422.71 | 27,529.12 | (6.01%) |
| 14 | Semley School | 18.3 | 18,700.00 | 16,918.55 | 16,661.53 | (10.90%) |
| 15 | St John's School | 22.12 | 22,230.00 | 19,949.29 | 19,292.88 | (13.21%) |
| 16 | Nectar Imports Ltd 2 | 49.92 | 46,000.00 | 44,768.19 | 43,964.14 | (4.43%) |
| | | **596.36** | **540,422.00** | **522,430.24** | **518,759.77** | **(4.01%)** |

## Asset Management

I continue to monitor our sites on a daily basis via the online portals that give up to date data from the generation meters and inverters. This enables me to address any outages or loss of communications.

I ensure that generation meter readings are submitted quarterly so that our Feed-in Tariff payments can be processed by Good Energy.

I also prepare invoices for our clients on a quarterly basis so that we can get paid for the electricity that they use on site from our solar systems.

Six of our larger sites also have export arrangements in place so that we get paid for the amount of electricity that is exported to the grid (i.e. surplus to the needs of the site itself).

The database that records the figures for generation, use on site, export, and costs continues to be updated monthly to enable the Directors to have visibility of the portfolio’s performance in both kWh and revenue/expense.

The Operations Manual is now largely complete, ensuring that we have captured the knowledge developed over the last 9 years, and to provide some resilience in the event that I am unable to perform my usual asset management tasks.

Last year I reported on the Renewable Energy Guarantees of Origin (REGOs) project, whereby we were encouraged by Good Energy to apply for accreditation of our sites with Ofgem and then transfer our REGOs to Good Energy for an additional payment. It has been a tortuous process and we did not get the support we had hoped for from Good Energy. Nonetheless, we have received some additional revenues (approx £4,500) which more than outweighs the administrative costs involved. Sadly, the value of REGOs in the market has now crashed from a high of £15/MWh to less than £1/MWh, so unless the market for them changes for the better, we will not see much in the way of extra income going forwards.