

# Holme Valley Parish Council

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## Grant Evaluation

- The Parish Council likes to hear how community groups have used the money awarded to them
- As the money awarded is public money, we also need to make sure that the money has been spent appropriately and as agreed

<b>Name of Organisation</b>	Hepworth United Football Club
<b>Amount of award</b>	£ 5,000
<b>Purpose for which the grant was awarded</b>	<p>We were awarded the grant to purchase Solar Batteries to go with the Solar Panels we had installed early in 2022. In addition we purchased equipment that allows excess solar energy to be directed to the water tank and heat the water up.</p> <p>This grant along with a further grant and club funds allowed us to purchase 16kw of batteries.</p>

### The Story of Your Project

- *Tell us what you did with the money awarded to you*
- *Attach a few photos*

We are a voluntary organisation and are a registered charity so all the work we do our aims are to be improve our status as a club for our members and ensure the club is sustainable and affordable so it will be here for the next 100 years like it has for the previous 100.

In 2018 we opened our new clubhouse at Hepworth United which was a transformation for the club and has hugely moved the club forward over the proceeding years.

The 3 years following the opening of the clubhouse our club aim was to pay the final instalments of the building work we had undertaken. In 2021 upon payment of the building we then realigned our strategy to look at reducing

our costs base and ensuring we were becoming sustainable both so that benefited the clubs costs lines and also the be more environmentally focused as a club. We had a perfect south facing roof and in 2021 we planned for the installation of Solare panels. With the help of grants and club funds we had 30 panels installed on our roof in February 2022

Since the installment of the panels it has made a big difference to our electrical costs and running of the club especially in the rising costs of fuel. What we did though find is that we would often produce more than needed especially in the months from March to October but as soon as the sun goes down we were back to using from the grid. This led to the next logical step was to look to get batteries so that we would not only give us storage of energy to use in the evening and also to cover short terms peaks were we see in the day when we have more usage that production such as a kettle going on. Our analysis showed us we could on nearly 80% of the days we could operate for free where we cover our electricity.

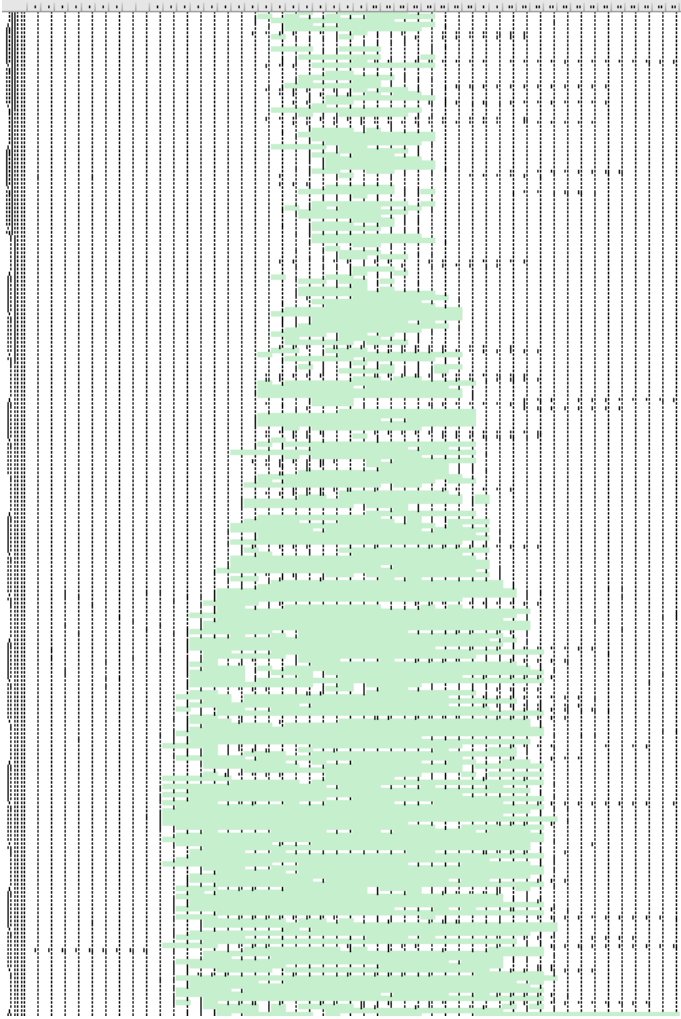
We also have a high LPG usage for our water boiler which is large due to the size of boiler we need for the showering of 2 teams but it needs to be kept warm all the week also so used LPG in quite high costs around £2000 per year so we also looked to a piece of technology that would allow excess solar energy to be diverted to the water heater.

So with that in mind we applied for grants to allow us to obtain batteries

Show below is a 24 hour 30 minute readings of our electricity usage. The greens are were we have zero use as its covered by the solar. You can see in a zoomed out view of the full year the fully covered green cells extend when the days extend but in the evening we are back to grid usage. You will the see the impact of the batteries in the later pictures with figures wince we recently installed

The graph is very zoomed out but tat the top is January and going down to July. You can see that in the evening we are always needing to use electricity but more of the day is covered in the Summer but this is before we installed the batteries which you will see the benefit of later

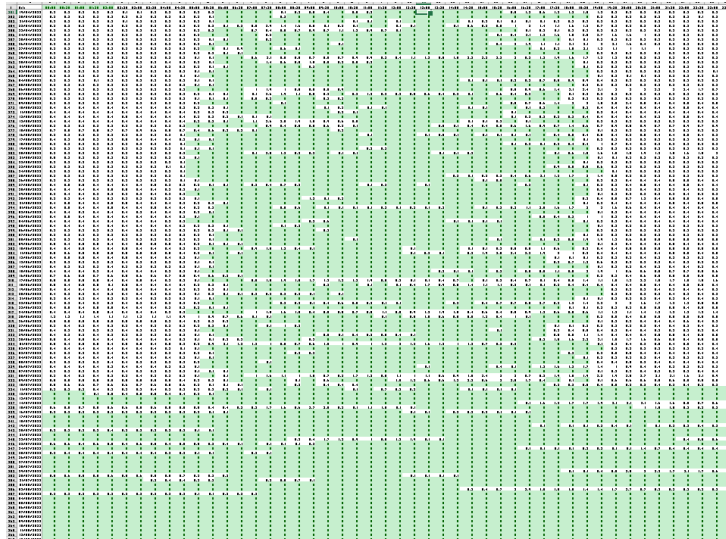
## The Story of Your Project contd.



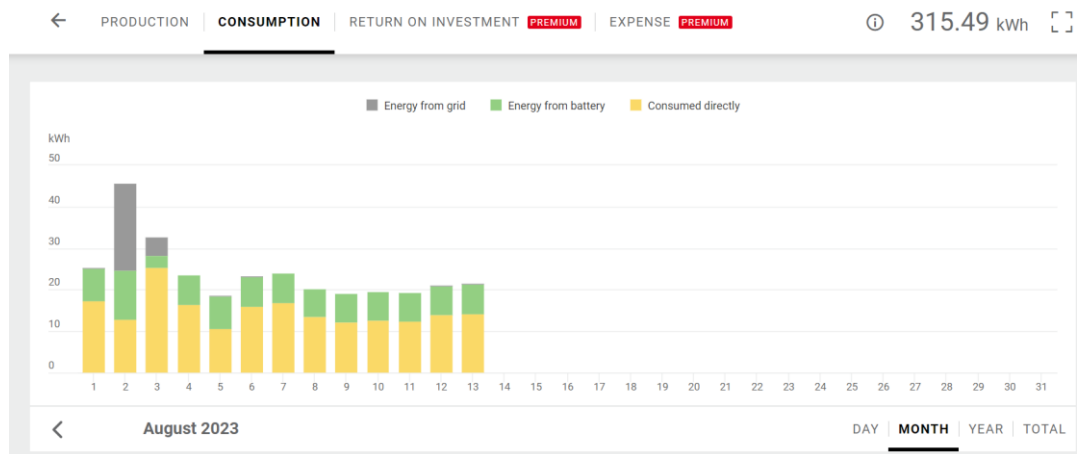
There was a significant lead time on the battery order due to global demand and when the grant was approved in November we did order the batteries then but they didn't get installed until July so we have just had them installed along with the water heating element but its been going really well even with the weather been poor in July

# What you achieved

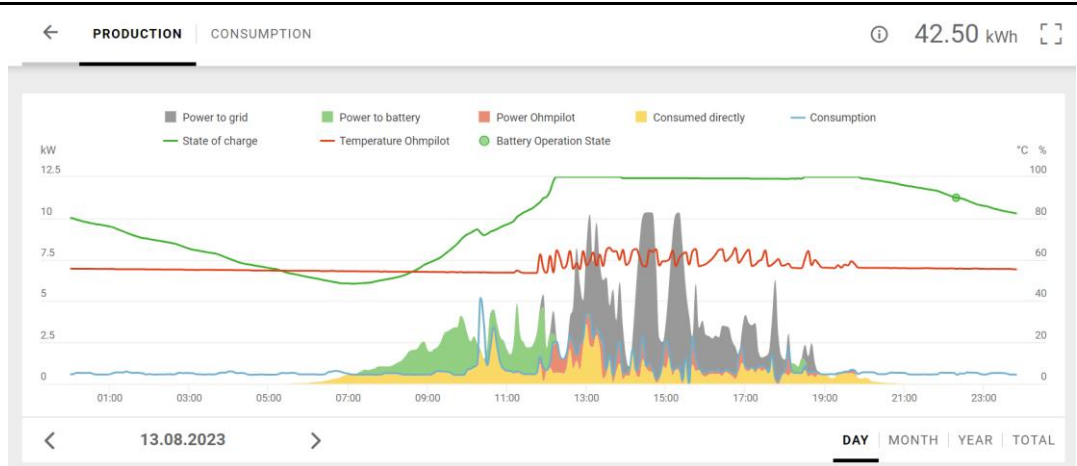
What were the benefits of your project?



Since we installed the batteries you can clearly see now for the last month the green is spanning nearly all the cells and showing that these days are nearly always covered with use from the solar or now from the battery. The last 10 days have been 100% free of grid usage and also we have used no LPG to heat the water which is amazing,



The above shows the yellow where we have consumed directly from solar production and now the green is when we get the power usage from the battery so still sustainable day. The only time we have used from the grid so far this month is the grey area which is 25kw of usage on a day when we had a function which was above every day and normal usage.



This is a typical day now with the green line showing the battery level from 100% full dropping down over night to cover the usage. The yellow is solar that is used to cover current demand, The green is charging the battery back up and the green line rises again.

Once the battery is full then energy goes in to the water heating and the water temp line the red one starts to rise.

The grey area is where we are sending excess above all that back to the grid

The positive is that this month August we are still covering our usage and heating and still sending significant back to the grid so in less sunnier months we still have a great chance of covering the majority of our days from the solar.

2 years ago before we had solar in 2021 our electricity bill for August was £211. So far this month on day 14 we have only used 26kw at £0.16 per KW so £4.16 of use but also sent 318kw back to the grid at £0.06 so £19.08 so for the month to date we have covered all our electric and heating costs and are also £15 in credit 😊 This is superb for the club and also the environment.

**Who benefited from the project and the grant awarded?**

**How many people benefited?**

The whole club benefits from this as we are able to keep our subs low and not have to inflate to cover these costs. We have over 560 junior members from our 21 teams and 45 mens team members and 20 ladies team. They all have use of the clubhouse and as a club this makes a huge difference to our running costs and our ability to stay open especially when our rates rise later this year

As above is over 600 people who are involved in the club

<b>Did you achieve what you were trying to do?</b>	Yes for sure although it is very early days yet the initial days are doing exactly what we set out to do and we look forward to a year whereby we should save between £2000-3000 per year on our electricity and gas bills which is a huge amount of benefit
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**Finance and Expenditure**

*We ask groups to retain their receipts and invoices, and to keep a record of what they've spent for auditing purposes*

		Grant awarded	£ 5000
Date	Description of expenditure	Amount	Remaining
<b>14.12.22</b>	<b>Purchase of Solar Panels and Solar water heating equipment</b>	<b>£ 5000</b>	<b>£ 0</b>
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***Any amount of the award unspent may have to be returned to the Parish Council***

<b>Person completing this form</b>	<b>Rob Wilks</b>	<b>Date</b>	<b>14/08/23</b>
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