

Keith Treslove
Treasurer
Derry Hill and Studley Village Hall Trust
Lansdowne Hall
Petty Lane
Derry Hill
SN119QZ

14/08/2024

Derry Hill Parish Council

Dear

Subject: Request for Grant to Support Energy Sustainability Project

I hope this letter finds you well. My name is Keith Treslove, and I am the Treasurer at the Lansdowne Village Hall, an organisation dedicated to providing a community hub for the benefit of all residents of Derry Hill and Studley. I am writing to formally request your support in the form of a grant to fund our upcoming Energy Sustainability Project, which aims are two fold, one to reduce our Carbon footprint and secondly to make the hall more energy sufficient, with the ultimate ambition to ensure that we can continue to ensure that the Hall rates remain accessible for the local community, the Hall has worked tirelessly to provide affordable hire rates over the last few years and to maintain the fabric of hall for all our residents, however our energy bills have now increased by 133% in 2024 and our hall is nearly 25 years old.

As global challenges related to climate change and resource depletion intensify, the need for innovative solutions to ensure energy sustainability has never been more critical. We are acutely aware of this and we have developed a comprehensive project that focuses on renewable energy installations and energy efficiency programs. This initiative will not only reduce our carbon footprint practices but allow us to invest any savings into keeping our hire costs down for the community and improve the fabric of our building. Clearly we do not have the resources to complete this project in a single activity and therefore we have split the project into two phases.

The total budget for the first phase is estimated at £14,000 pounds and we are looking for a grant of £7000 from the Parish Council which will cover half the cost of 22 extra solar panels(to be fixed to the west elevation) along with a storage battery. This will reduce our carbon footprint overall and move us to a more sustainable position with renewable energy. The second phase will address our gas consumption and heating efficiency.

I understand the council has a commitment to supporting sustainability initiatives and this aligns perfectly with our project's goals. With your support, we believe we can make a positive contribution to advancing energy sustainability within our community.

Enclosed with this letter, you will find a detailed quote from a local trusted supplier WEC outlining the costs along with the application form

Thank you for considering our request.

We look forward to your positive response and the possibility of working together to in future phases.

Sincerely,

Keith Treslove
Treasurer



Unit 10, Harris Road, Porte Marsh Industrial Estate, Calne, Wiltshire, SN11 9PT.
Office Tel:/Fax: 01249 812850 email: enquiries@weclimited.co.uk web:www.weclimited.co.uk

5th August 2024
Our Ref: WPV1086

Lansdowne Hall
Petty Lane
Derry Hill
Calne
Wiltshire
SN11 9QY

Dear Lansdowne Hall

Re: Roof Mounted Solar Photovoltaic at The Above

Further to my recent visit, we thank you for your kind enquiry and have pleasure in submitting our quotation as follows:-

Electrical Requirements and Mains Connection

A new 3-phase distribution board DB2 will be installed within the office to replace the existing 1-phase DB along side the existing PV inverter. The supply for this will be established from the incoming supply position. The existing PV system will be connected to DB2 along with the proposed new PV system.

Design Factors

The installation fully complies with the manufacturer's design and installation requirements and the system performance is estimated using Standard Estimation Method in accordance with ECA Guide to Solar Photovoltaic System. Electricity saving in these calculations has assumed that you will use 90% of the energy which your system produces and we have calculated it at £0.30 per kWh.

Scaffolding

Scaffolding to be erected to the by specialist contractor prior to any work commencing and this is **included** within our quotation.

Client's Requirements

Supply and install the chosen specified installation for the West facing roof mounted system. Should our quotation be favourable a written detailed manual will be provided for client preferences, work procedures and risk assessments for your approval prior to any work commencing.

Disclaimers

The performance of solar PV systems is impossible to predict with certainty due to the variability of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the Government's standard assessment procedure for energy rating of buildings (SEM) and is given as guidance only. It should not be considered as a guarantee of performance.

Directors; D. A. Axford, A. K. Matthews. Company No. 5182037, registered in England.

Registered Office: The Old Post Office, 41 Market Place, Chippenham, SN15 3HR V.A.T. Registration No. 840 610615.



Maintenance

As Members of RECC (Renewable Energy Consumer Code) we are obliged to offer you a service agreement which comprises of giving your system a yearly health check. As PV has no moving parts there is a limited amount of work to be carried out other than check inverter operation and cleanliness, cable condition and termination and string balance checks. As the panels are designed for self cleaning there is no maintenance requirement at roof level. This service can be provided free of charge for the first two years and at an additional cost of £95.00 per year thereafter, reviewed on an annual basis.

Planning

Contact with local Planning Officer to check if Planning Permission is required to be carried out by yourself.

SSEG Registration

Once the system has been installed WEC Ltd will register the system with your Distribution Network Operator (DNO). WEC Ltd will complete either a Small-Scale Embedded Generation (SSEG) G99/1 commissioning document that details the system and the way it has been implemented, tested etc or a Connection of Embedded Generating Plant to the Public Electricity Suppliers' Distribution Systems G98 (2018). This is a requirement for all Solar PV systems. Note however that it is your responsibility to sign up with an electricity supplier that gives you the best arrangement with regards to electricity generation from Solar PV.

Roof Structure Appraisal, Static and Wind Load Report

All buildings to which a solar PV system is to be attached should have a report confirming that the roof structure is suitable to which the panels are to be installed as well as the static and wind loads. In addition to this, should homeowners wish to sell their properties on in the future these reports should be in place. Should you proceed with the installation, I would recommend having this report. I shall be required to take photographs and measurements of your loft space and complete a detailed report which is then sent to a structural engineering company. They check the suitability and report back with a certificate for an additional sum of £120.00 + VAT. **However, if you decide you do not require or need this report or you would like to arrange yourself, please advise.**

Insurance

If you proceed with the installation and you are a mortgage holder, leaseholder or freeholder of the property, you will need to advise your insurers about the planned work and of the need to obtain the relevant consent or arrange correct insurance regarding the installation.

Contract Terms and Conditions

If you would like to proceed with the installation of the system please complete, sign and return to us one copy of the enclosed Customer Order Form with a 25% deposit as indicated for the chosen option. Upon receipt of the order form and your deposit we will contact you to arrange a convenient date for commencement of the work. Should you wish to cancel the contract within fourteen days a full refund will be made. A cancellation form is enclosed should this be required.

Cont ...

Notes:

1. The installation prices are based on a continuous working period. If circumstances beyond our control necessitate a split programme of works, we reserve the right to charge for additional time.
2. For full Terms and Conditions please see enclosed Wilts Electrical Contracting Ltd.'s Contract Terms.
3. A full breakdown of services to be supplied is given on the enclosed "Summary of Goods & Works".
4. If additional works are required due to exceptional circumstances not reasonably foreseeable or if you, our customer, request specification changes, an estimate will be provided based on our daily rate.
5. Wilts Electrical Contracting Ltd. is a member of RECC (Renewable Energy Consumer Code) and work with an insurance provider QANW who administer a scheme called the Deposit and Workmanship Insurance Scheme. Insurance documents are prepared in accordance with its Consumer Code.
6. All our quotation options are valid for 30 days subject to the availability of quoted goods.

As Members of the NICEIC our price includes full certification of work carried out and Certificate of Compliance with Building Regulations as required by law and is also inclusive of a ten-year insurance backed workmanship warranty.

If I can help or advise further, please do not hesitate to contact me.

Yours sincerely


M.A.K. Matthews
Director



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Office Tel:/Fax: 01249 812850 email: enquiries@weclimited.co.uk web:www.weclimited.co.uk

5th August 2024
Our Ref: WPV1086

Lansdowne Hall
Petty Lane
Derry Hill
Calne
Wiltshire
SN11 9QY

Dear Lansdowne Hall

**9.79kW JA Solar Roof Mounted System with
Fox Hybrid Inverter and Fox Battery at the Above**

System Details: Supply and installation of 9.79kW JA Solar PV System

SEM = System Performance Per Annum: 6,070.00kWh/pa
Inverter Type: 1 no. FE-H3-10.0 Fox ESS H3 10.0kW 3-phase Hybrid Inverter
Battery Type: 1 no. FE-HV-EP11 10.36kWh Battery
Panel Type: 22 no. JAM54D-40-445-LB-TS-MC4 JA Solar 445W N type Double glass bifacial
LB traceable with MC4, black frame. The panels will be wired on 2 no. strings with 11 no.
panels on each string. Inverter to be wall mounted and battery floor standing in the Office.

ESTIMATED Annual Earnings

SEM

Electricity saved from bill at £0.25kWh (if 90% of generated electricity is consumed)		
90% of 6,070.00kWh = 5,463.00kWh	£0.25 x 5,463.00kWh	= £1,365.75
Export Tariff back to grid at £0.15kWh (if 10% of generated electricity is exported back to the grid) TBC with electricity provider.		
10% of 6,070.00kWh = 607.00kWh	£0.15 x 607.00kWh	= £91.05

Over the winter months we predict it would force charge to battery at night on cheaper rate electricity for 120 nights at 10.0kW per night a total of 1,200.00kWh/pa which you will use in the day. The savings for winter charging have been calculated with the cost of night rate electricity at £0.15 per kWh. By using the difference between day rate of £0.25 per kWh and night rate of £0.15 per kWh giving a saving of £0.10 per kWh.

1,200.00kWh x £0.15 per kWh = £180.00

Estimated total savings per year £1,636.80

The Government has recently announced that from January 2020, installations that have been installed to MCS Standards will be eligible to register with their electricity provider (or other provider) to sell back their surplus electricity back to the grid/their electricity provider. Providing a smart meter is installed, an MCS certificate produced, you will be eligible to claim.

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This system performance calculation has been undertaken using estimated values for array orientation, inclination or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.

OPTION 1: For the sum of £13,378.14 plus V.A.T. at 0% = £0.00 = Total Cost £13,378.14

Payment Breakdown

25% Deposit on placing of order	£3,344.53
35% Three weeks before commencement of work	£4,682.35
40% Upon completion of work	£5,351.26

Please see enclosed JA Solar Panel, Fox inverter and battery information.

Please Note

It is the customers responsibility to provide a WiFi signal to the system.

A DNO Application will need to be submitted prior to installation for permission to install as we have quoted a 10KW inverter. We make this application on your behalf and receiving permission should not be a problem.