

Report of Decarbonisation Officer

Subject: Applications for consideration

Purpose of Report:

Members are requested to review the 10 applications and come to a decision in respect of the requests for grant funding. The summary and eligibility check for each application follows.

1. Applications for Consideration

A total of 10 eligible projects met the criteria of the scheme. Because the amount of funding requested exceeded the funding available, it is recommended that equal funding be allocated to each eligible project – except where the total requested was lower than the equal share of the pot.

Summary table

Project Type	Ref	Organisation	Funding Sought £	Recommended funding £
A	SDF/202405/1	Southern Roots Organics	12,400	9,184.63
A	SDF/202405/2	Narbeth Museum	13,063	9,184.63
A	SDF/202405/3	CPD Crymych Cyf	20,662	9,184.63
A & D	SDF/202405/4	Narbeth & District Community & Sports Association	13,303	9,184.63
B	SDF/202405/5	Cosheston Community Council	3,396	3,396.00
C	SDF/202405/6	Little Haven & Talbenny Amenities	6,760	2,555.20
D	SDF/202405/7	Marloes & St Brides Community Council	1,218	1,218.00
D	SDF/202405/8	Theatr Gwaun Community Trust	8071	8,071.00
D	SDF/202405/9	The VC Gallery	23,421	9,184.63
D	SDF/202405/10	Cwm Arian Renewable Energy Ltd	22,044	9,184.63
		Total funding sought	£130,282	£70,347.98

1.2 Renewable Energy Generation Projects (A)

1.2.1 Southern Roots Organics – Green Energy for Local Food

<u>Project Summary:</u>	Installation of a 12.2kWp solar PV system (28 Panels)
<u>Ref:</u>	SDF/202405/1
<u>Applicant:</u>	Southern Roots Organics
<u>Location of project:</u>	Eithin Farm, Felindre Farchog, Crymych, SA41 3XW

Project description:

Southern Roots Organics are seeking funding to install a 12kw solar PV and 11kw of battery storage system on a barn roof at a 25-acre organic farm near Nevern in North Pembrokeshire. They are a social enterprise operating with the aims of producing and distributing ecologically grown food; improving access to and knowledge about ecological farming and traditional land-based skills; and inspiring wider systemic change towards ecological and social justice. They hope this will allow them to use self-generated green energy to run their office, irrigation pump and our cold storage.

They currently grow around 10 acres of Organic fruit and vegetables for sale to local restaurants, farm shops and other food businesses; local households through a veg box scheme; and a national wholesaler. In 2023-24 they employed 4 people and will increase this to 7 in 2024-25. Most produce is sold in North Pembrokeshire within 10 miles of the farm in the area between Fishguard and Cardigan.

SRO are already a net carbon sequestering farm and reducing emissions is important to their vision of what a healthy, sustainable food system looks like. Using solar PV rather than grid energy or a generator will help reduce carbon emissions associated with electricity generation.

Impact measurement: Amounts of energy generated will be monitored and an energy and carbon saving on an annual basis calculated from this. Preseli Solar, who have quoted to supply and install this project estimate an annual saving of 2.6tons of CO2.

The amount of produce grown and sold, and a corresponding amount of imports replaced by local produce will also be monitored. Farm carbon analysis, which demonstrates emissions, sequestration, and net carbon balance, will be undertaken.

Sustainability: The elements of the solar PV system come with the following warranty terms. This ensures a sustainability over the lifetime of the components. 25 Year Panel Product Warranty; 30 Year Panel Performance Warranty; 5 Year Inverter Product Warranty; 10 Year Battery Product Warranty

Beyond this the system will have provided the social enterprise with sufficient energy bill savings to reinvest in a replacement system when the warranties expire and the system needs replacing

Total budget	£15,500
Total requesting from SDF	£12,400

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered Community Interest Company - Company Number: 10651689 VAT Registration Number: 284 0400 27
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£3100
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		28 x JKM435N-54HL4R-B 435-Watt Panels (Jinko Solar Co., Ltd.) 1 x Primo GEN24 10.0 Plus (Fronius) 1 x HVM 11.0 (BYD Company Ltd.) Total £15,500 2 quotes provided.
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Offer partial funding of £9,184.63

Rationale: The project will create new low-carbon energy within the National Park. The low-carbon energy generated will be measured and emissions factors used to calculate a carbon offset. Sustainability is proposed through use electricity savings to fund equipment servicing, and 20% match funding is committed. The project proposes the best value low-carbon energy generation capacity by expenditure (£820 per kWp) in this round, and two quotes have been supplied. Batteries do not create low-carbon energy, and have long payback times compared to Solar PV panels.

1.2.2 Narbeth Museum – Improving Energy Efficiency

Project Summary: Installation of a 13.4kWp solar PV system (28 Panels)
Ref: SDF/202405/2
Applicant: Narbeth Museum
Location of project: The Bonded Stores, Church Street, Narbeth, SA677BH

Project description:
Narbeth Museum would like to install an additional array of solar panels to make better use of existing batteries and energy efficiency measures. The Museum reopened in 2012 and reports itself as a popular community cultural hub with permanent and temporary exhibitions, year-round activities and events, a coffee shop, and a sizeable bookshop. The Museum receives no government funding and generates all its own income, which would be enhanced by a small amount of energy

export to the grid. It is run almost entirely by volunteers with one part-time member of staff.

The Museum Trustees and staff will develop and manage the project and oversee the installation by the contractors who are likely to be either Silverstone Green Energy or Green Warmth.

The project will have an impact in reducing local carbon emissions and so help to mitigate the effects of the climate emergency. It will also help to ensure the continued viability of the Museum as a popular tourist destination and community resource by reducing energy costs and outgoings.

Impact measurement: Impact of the project will be monitored through energy generation and consumption. The current installation has an app which displays real time data which is useful to maximise self-consumption.

Sustainability: Maintenance of the new array will be incorporated into annual management and maintenance plans to ensure that the system is running at its optimum. Money saved from energy bills will be retained in reserves ready to replace solar panels as they reach the end of their life.

Total budget £17,063
Total requesting from SDF £13,063

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Charity Registration Number: 519783 Company Number: 2208841
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£4000
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		28 x 480W Eurenor Black Solar PV panels SolarEdge 10,000W 3ph HomeHub Inverter •SolarEdge Optimiser S500 •SolarEdge Wifi Antenna for SETAPP inverter £15853 ex vat Scaffolding £1240 ex vat
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Offer partial funding of £9,184.63

Rationale: This is a promising and well-evidenced project, but sits outside of the National Park, and the site already benefits from existing low-carbon generation capacity. The new low-carbon energy generated would be measured and emissions factors used to calculate a carbon offset. Sustainability is proposed through retention

of energy bill savings in reserves, ready to replace solar panels as they reach the end of their life. 20% match funding is committed, and the cost of the new proposed low-carbon electricity generation capacity is moderate at £1287 per kWp.

1.2.3 Crymych Arms Community Hub

<u>Project Summary:</u>	Installation of a 10kWp solar PV system (20 Panels)
<u>Ref:</u>	SDF/202405/3
<u>Applicant:</u>	CPD Crymych Cyf
<u>Location of project:</u>	Tafarn Crymych Arms, Crymych, Sir Benfro, SA41 3RJ

Project description:

The Crymych Arms Community Pub wish to install a 10kW Solar PV array and simple battery storage, projected to generate 8652 kWh per year with 62% self-consumption, the remaining 38% exported to the grid. The project is expected to save over 350 kg of carbon dioxide emissions each year, showing commitment to addressing climate change and ensuring the community kitchen is as sustainable as possible.

They hope this would expand the potential of Crymych Arms, meeting the needs identified through community consultation, and help to embed learning about low impact lifestyles for a range of individuals from senior citizens who attend the warm room to our junior football teams starting with the under 7's team. There are 278 members of the co-operative organization who receive regular newsletters, and carbon reduction and energy saving will be regularly included as part of the newsletter.

Impact measurement: Energy produced, and kg of CO2 savings made will be measured by the inverter software and a £5,500 saving per annum is projected. A log of the figures will be kept with a monthly tally to be shared with funders, stakeholders and the public using the community hub. The data will also be used to make informed decisions when assessing energy savings and carbon reduction strategies.

A monthly questionnaire will be provided to stakeholders, customers, and members to recognise the impact of utilising renewable energy on site. They will work with local projects such as Cwmarian Renewable Energy (Unlocker Project) to host talks about how local people can see the benefit of a solar battery system for their homes.

Sustainability: The project is a social enterprise trading as a community hub and football club. Business plans shows an annual surplus to re-invest into community development. The hub is part of the Plunkett foundation initiative know as 'The Pub is the Hub' where local community pubs are bought by the community to ensure that there is a continues presence of a pub in rural locations.

External support from Cwmpas in Wales, Co-operative UK in Manchester and The Plunkett Foundation is provided to ensure a viable and sustainable enterprise.

Total budget	£25,828
Total requesting from SDF	£20,662

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered community benefit society Registration No. 9040 – CPD Crymych Cyf.
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£5166
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		<p>Full Supply, Install and Commission Key Components for Solar Roof Mounted System as follows:</p> <p>26 x Trina Vertex S+ 425W Dual Glass N-Type (Clear Backsheet) solar panel</p> <p>1 x SolarEdge HomeHub Inverter - 3ph, 10kW inverter</p> <p>3 x SolarEdge Home Battery 48V</p> <p>Roof mounting system</p> <p>Scaffolding</p> <p>Total £25,828</p> <p>2 quotes provided.</p>
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Allocate funding of £9,184.63 conditionally. If project cost total exceeds £25,000 open tendering process must be run.

Rationale: The Crymych Arms, a community benefit society is located just outside the National Park. New low-carbon energy would be created by the project, and carbon offsets automatically calculated and published, but at relatively high costs at £1537 per kWp, and long term sustainability is less clearly evidenced. Batteries do not create low-carbon energy, and have long payback times compared to Solar PV panels alone. 20% match funding is committed.

1.2.4 Narbeth & District Community & Sports Assc. – Bloomfield Energy Project

<u>Project Summary:</u>	Match Funding for Installation of a 9kWp solar PV system (20 Panels) and LED Lighting Upgrades
<u>Ref:</u>	SDF/202405/4
<u>Applicant:</u>	Narbeth & District Community & Sports Association
<u>Location of project:</u>	Bloomfield House Community C., Narbeth, Pembrokeshire

Project description:

Funding is sought towards part of the cost of installing a new solar 9kw PV array and LED lighting upgrades in the Bloomfield House centre's squash courts. All other costs will be covered by a £19,622 Sport Wales Energy Saving Grant, which is conditional on securing match funding.

The project will actively promote environmental awareness in the community, encouraging our users to change their behaviour, reduce their energy consumption and carbon footprint. Estimated annual carbon savings, with the 9kw solar PV system we intend to install, are 2.0 tonnes per year.

The centre houses over 80 regular groups, societies, and businesses. All activities and services at Bloomfield are sustainable and enable the association to continue to serve the local community providing childcare, education, health and wellbeing and recreation facilities seven days per week. The facilities at Bloomfield include two sports halls, squash courts, classrooms, meeting rooms, conference room, on site nursery, after school/holiday club, IT suites, PCC Learning Pembrokeshire, Learn Welsh Pembrokeshire offices, day care centre, fitness suite, offices, kitchens and expansive grounds and car parks. Income is generated for the association from the hire of these facilities. This income enables the association to directly employ 20 local people and facilitates numerous other employment opportunities for example, sports coaches, office staff and carers.

Bloomfield's increasing energy bills pose a threat to the financial sustainability of the centre. If left unaddressed, they will have a negative effect upon the association's ability to provide community, recreation, and sports facilities to local people. The centre's energy bills have doubled since April 2023.

Impact measurement: A meter reading will be taken every quarter by NDCSA staff. This reading will demonstrate the energy generated and therefore accurate carbon savings can be calculated. All information will be logged and published on NDCSA's website and Facebook page. The Development Worker will also regularly document energy savings in reports to NDCSA's Executive and Finance Committee.

LED lighting upgrades will improve the lighting in the centre for sporting activities and save the association money on energy bills and maintenance costs.

Sustainability: NDCSA's appointed contractors will return periodically to check and service the solar panels. The panels are tested for high winds and hail and the company offer a 12-year guarantee on parts and labour. The solar panels themselves are guaranteed to perform at 90% efficiency for ten years. The centre's Duty Officer will regularly check the panels are not obscured from direct sunlight by trees, litter etc. The Development Worker will also document energy savings in reports to NDCSA's Executive and Finance Committee.

LED lighting requires less maintenance than the current system of fluorescent strip lighting, and bulbs can last up to 25 times longer.

Total budget £37,830

Total requesting from SDF £13,303

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Charity Number: 512032
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£24,527
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		<p>Full Supply, Install and Commission 20 x 435W Jinko Black Solar PV panels SolarEdge 7000W 3ph SCREENLESS inverter with Home-Wave technology SolarEdge Optimiser S440 SolarEdge Wi-Fi Antenna for SETAPP inverter Total £25,828</p> <p>Squash Court Lighting Materials £2820 Labour £800 TOTAL £3,620</p> <p>4 quotes provided.</p>
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Offer partial funding of £9,184.63

Rationale: This is a well evidenced and structured application, but sits outside of the National Park – and, the site has existing low-carbon energy generation capacity funded by a previous SDF round. The cost of the new proposed low-carbon electricity generation capacity is moderate at £1210 per kWp. A high 65% proportion of match funding is contingent on SDF support.

1.3 Transport Decarbonisation Projects (B)

1.3.1 Cosheston Community Council

<u>Project Summary:</u>	New Bicycle Shelter for Village Hall
<u>Ref:</u>	SDF/202405/5
<u>Applicant:</u>	Cosheston Community Council
<u>Location of project:</u>	Cosheston Village Hall Car Park (SA72 4UW)

Project description:

Cosheston Community Council propose to install a Bicycle Shelter suitable for 10 bicycles within the car park at Cosheston Village Hall. The aim is to encourage members of the Community to cycle to events held at this location by providing a dry, secure storage area for bicycles rather than commuting there using vehicles with internal combustion engines. Research has shown that 'shifting just one trip from car to cycle per day saves the average person 3.2kg of carbon'. (Source -Rebecca Armstrong for www.cyclinguk.org). The Village Hall is used daily by different organisations from both within and outside of the village. If the presence of a Bicycle Shelter will encourage at least 10 hall users per day to switch to cycling from car use, over the course of a week (Monday to Friday), this would be the equivalent saving of 160kg of Carbon.

As the owners of the car park(s) & land immediately surrounding the Village Hall, Cosheston Community Council will be responsible for implementing, managing and overseeing the delivery of this project.

The demand for this project has been highlighted by letters received from Residents within our Community and from conversations held with hall users and residents in general at events held at the Village Hall.

Examples of some of the groups that use & activities that take place at the Village Hall are as follows:

- Cosheston Community Council Monthly Meeting
- Cosheston Village Hall Trust Monthly Meeting
- Cosheston WI Monthly Meeting
- Monthly Coffee Mornings with talks hosted by Cosheston Village Hall Trust
- Cosheston Local History Group Fortnightly Meetings
- Cosheston Short Mat Bowls Club - 3 bookings/week
- Amys Acorns Playgroup - held every Monday morning
- Weekly Ladies Fitness Classes
- Weekly Line Dancing Classes
- Weekly Pilates Classes
- Numerous bookings of the Hall as a venue for training/lecture purposes
- Numerous bookings of the Hall as a venue for Parties & Celebrations

Impact measurement: The impact of the project will be measured by questionnaires distributed to Hall users and to the wider community asking if the installation of the Bicycle Shelter has altered their travel habits within the Village for the better.

The questionnaires will be both in the form of hard copies distributed to the 'leaders' of the different hall user organisations and will also be in the form of an electronic questionnaire published on our Facebook page.

The project will be advertised on both our Website and Facebook page as well as being in print within the quarterly 'Cosh Callout' magazine which the Community Council has recently helped to fund to enable the continuation of this valuable community asset. This magazine is hand delivered by volunteers to every household within our community so that all residents will be aware of the Bike Shelter installation.

Sustainability: Long term, once the project has been completed it should effectively look after itself as it will be a permanent structure that shouldn't require any further input in terms of money or labour. It will be covered against damage etc. on the Council's own Insurance Policy which is held for all of it's assets, should any repairs be required going forward. There is sufficient land adjacent to the proposed installation site that would enable extensions to be added in the future.

Total budget £4246
Total requesting from SDF £3396.80

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Community Council
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£849.20
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		BDS Cycle Shelter - 10 Space Length 4100mm Height 2100mm Width 2100mm Galvanised and Powder Coated Shelter Frame Polycarbonate Back and Side Panels 5nr Galvanised Sheffield Bike Stands Installation bolts Delivery £3146 Supply and lay concrete slab 4.5x2.5m Materials and labour £1100 1 quote provided.
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Offer full funding of £3396.80

Rationale: Demand for the bike shed is clearly evidenced and the project would result in a permanent public-facing structure immediately adjacent to the National Park, facilitating increased use of sustainable transport and reducing carbon

emissions. A credible impact measurement proposal is presented. In principle, provision of cycling facilities on existing community landholdings represents particularly good value for money.

1.4 Community Waste Reduction Facilities (C)

1.4.1 Little Haven & Talbenny Amenities Water Refill Station

<u>Project Summary:</u>	Water Refill Station on Little Haven Waterfront
<u>Ref:</u>	SDF/202405/6
<u>Applicant:</u>	Little Haven & Talbenny Amenities
<u>Location of project:</u>	Little Haven Waterfront

Project description:

Little Haven and Talbenny Amenities would like to provide convenient access to clean drinking water for residents, tourists, and businesses alike, while simultaneously reducing single-use plastic consumption by strategically placing a refill station on Little Haven Waterfront, to encourage the use of reusable water bottles and mitigate the environmental impact of plastic waste along the coastal path. The project will be located at CORNERSHOP CAFÉ, located on the waterfront in Little Haven, with full support from the owner. Factors such as foot traffic, accessibility, and environmental impact have reportedly been considered. A plan to check the quality of the water weekly in line with guidance and legislation will be put in place.

Collaboration with cafes, restaurants, and shops will take place to encourage them to promote the use of the new refill station, when customers and passers by request water. As a popular stop along the Pembrokeshire coastal path, tourism plays a significant role in the economy of Little Haven. Therefore, signage will be considered along the coastal path to direct hikers to the refill point.

Impact measurement: Continuous monitoring and evaluation of Usage Rate and Volume Dispensed will take place to assess the water refill stations impact on plastic waste reduction and community engagement. A water meter will be installed on the mains feed into the water dispenser to measure the amount of water dispensed by the refills. This would help quantify the reduction in plastic bottle usage by calculating the equivalent number of bottles saved.

It is proposed to compare the volume of plastic waste collected by the council, before and after the implementation. Feedback from users will also be sought and the cost savings of using the refill station instead of purchasing bottled water calculated. The reduction in carbon emissions associated with the production, transportation, and disposal of plastic bottles will decrease due to decreased consumption. This can be translated into environmental benefits such as reduced greenhouse gas emissions.

Sustainability: Feedback on station location, design, and operational hours will be sought from local businesses, schools, and community organizations to promote the station's usage and importance. Nearby restaurants and cafes will be engaged to encourage their patrons and customers to refill their water bottles at the station. Options such as sponsorship from local businesses, additional grants from government agencies or foundations, and user donations will be explored. Regular

maintenance and cleaning schedules will be established by volunteers to keep the station in optimal condition.

Total budget £8450

Total requesting from SDF £2555

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£1690
Copies of quotations enclosed (where relevant)/ Notes of costings)	N		
Can be delivered in 6 -18 months	Y		
Planning consent	N		PCNPA is the determining authority. Owner of business or property to apply, but LH&T Amenities will help.
Eligibility checks completed	Y		

Officers Recommendation: Conditionally offer funding of £2555 for one off costs. Conditional on planning permission and agreement that Little Haven & Talbenny Amenities committee take on the regular hygiene and water testing required for offering water to the public.

Rationale: The project is within the National Park, and should credibly reduce consumption of single use plastics, and contribute to a reduction in associated litter and embodied carbon emissions – although this will be hard to measure. The applicant has confirmed that ongoing costs will be bourn by the hosting premises, contributing to a relatively high match-funding ratio and demonstrating long-term sustainability.

1.5 Other Community Carbon Reduction Activities (D)

1.5.1 Marloes Village Clock – Energy Efficient Lighting

<u>Project Summary:</u>	Replacement of Halogen Clock Illumination with LEDs
<u>Ref:</u>	SDF/202405/7
<u>Applicant:</u>	Marloes & St Brides Community Council
<u>Location of project:</u>	Marloes Clock, Marloes Village (What3words location scavenger.grape.birthing)

Project description:

The existing halogen-lamp lighting unit for the village clock in Marloes has failed, and funding is sought to replace it with an LED unit that is dimmable and would use less electricity, reducing the carbon footprint and outgoings for the community council. As an extra bonus, the new unit would be multi-colour and the clock's appearance could change for special occasions e.g. Remembrance.

The Community Council owns and is responsible for maintaining the Marloes village clock, an important listed landmark. It is of historical and cultural importance to residents; it is also of interest to visitors, and there are information displays on the ground floor. To save on labour charges, two Community Councillors are prepared to carry out the work as in kind contributions.

The Council report that multiple quotes would not be appropriate: to guarantee full compatibility the new unit must be obtained from the original supplier.

Impact measurement: Lighting accounts for nearly all of the electricity used by the clock: it will be easy to see how power consumption before and after unit replacement compare, NB allowing for amount of lighting usage.

Sustainability: Should not be an issue: we anticipate no ongoing expenditure on the unit. Regular checking and cleaning would be done voluntarily.

Total budget	£1548
Total requesting from SDF	£1218

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Community Council
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£330
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		1 off Pulsar 135w LED light source, RGBW – 30mm port connector, dry installation only Price = £1,193.00 + VAT + Delivery 1 quote
Can be delivered in 6 -18 months	Y		
Planning consent	Y		N/A
Eligibility checks completed	Y		

Officers Recommendation: Offer funding of £1218, conditional on Dark Skies officer appraisal

Rationale: This is a well-structured application, and the delivery of improved control of illumination present opportunities for synergy with Dark Skies project goals.

1.5.1 Theatr Gwaun – Loft Insulation

Project Summary: Loft Energy Efficiency Improvements
Ref: SDF/202405/8
Applicant: Theatr Gwaun Community Trust
Location of project: Theatr Gwaun, West Street, Fishguard, SA65 9AD

Project description:

Theatr Gwaun are seeking funding to increase the insulation in their loft, which is very large, with inadequate 'rockwool' insulation installed between the ceiling joists and nothing at all insulating the rafters.

The project has two phases. The first, to create a new loft hatch for access, and lay additional rockwool insulation is funded by Transition Bro Gwaun. SDF funding is sought for the second, to install Celotex boards and cap them with plasterboard for mechanical protection and improved insulation. A volunteer team will be deployed to reduce labour costs to those indicated.

The auditorium is a large space, and represents a real challenge to keep audiences warm in the winter and cool in the summer. On a cold winter's day/evening it takes 4-6 hours to heat to a comfortable temperature and further energy to maintain it throughout the film/event (typically lasting 2 to 3 hours). In summer, temperatures are too warm as there is no air conditioning units. Improving the insulation will reduce the heating time, and energy expended to provide a comfortable air temperature year-round without the need for AC.

This project will not only help the climate by reducing our energy consumption (via the reduction in gas usage) but also help to prevent further increases in electrical energy consumption by reducing the need for air conditioning units to be installed.

Impact measurement: The theatre currently uses 2 gas fired boilers, distributed by radiators located in the auditorium (and other areas of the building). Gas usage is directly related to heating requirements as the boilers are the only source of gas consumption, so records of usage will be compared to logged historical data.

Heating times for the auditorium space will also be recorded. Randomised audience feedback will also be sought to see how their experience has changed when frequenting the theatre during times of more extreme outdoor temperature.

Sustainability: This project is part of a broader plan to improve Theatr Gwaun's carbon footprint and to play a pro-active role in a wider climate action plan of reducing energy usage and reliance on fossil fuels. This particular initiative will deliver long term benefit to the organisation by also reducing expenditure resulting in a more financially sustainable community asset. The installed insulation will not

require any significant ongoing maintenance and should remain an efficient solution for many years to come.

Total budget £10,092
Total requesting from SDF £8071

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Charity Number 1146226 Company Number 07565394
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£2021
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		Jewson Materials £6246.40 Aiden Colfer Labour + Materials £4290.44
Can be delivered in 6 -18 months	Y		
Planning consent	Y		N/A
Eligibility checks completed	Y		

Officers Recommendation: Offer full funding of £8071, condition of successful completion of the current project.

Rationale: This project sits outside of the National Park, and the site already benefits from existing low-carbon generation capacity funded by the SDF. The new loft insulation would in principle reduce carbon emissions through minimisation of space heating and cooling. Sustainability will be realised from the very long-term nature of loft insulation products, with no maintenance foreseen. 20% match funding is committed, and the cost of the project is well illustrated through quotations. This is the 3rd application to the SDF committee.

1.5.2 The VC Gallery – An Accessible and Green Building

Project Summary: Installation of Energy Efficient Windows & Accessible Doors
Ref: SDF/202405/9
Applicant: The VC Gallery
Location of project: The VC Gallery, Britannia Rd, Pembroke Dock SA72 6PD

Project description:

The VC Gallery is seeking funding to replace windows in their art room, office, counselling room and kitchen. And, to replace entrance doors with easy openers for wheelchair users that close automatically. To comply with The Equality Act of 2010, doors are currently left open which causes heat to be lost. Over 70 people volunteer for the charity which allows service delivery to over 100 people per day. These services include 'pay what you can afford' meals twice a week, 1:1 welfare work, advocacy, signposting and access to creative activities such

as photography, art poetry, guitars, songwriting, wellbeing walks, gardening and seated exercise sessions. Isolation and loneliness are addressed by offering welcome and inclusive spaces, aiming to prevent deeper poverty, reduce mental health crisis and support community wellbeing.

Providing a warm shared space at the centre has been reported to potentially save a service user £927.00 per annum, based on attendance at The VC Gallery of once per week for six hours. 40 – 50 individuals attend the centre per day. These cost saving initiatives will help the charities sustainability, allowing them to continue their work within communities, also making the space more enjoyable for everyone to use under this scheme.

Impact measurement: Impact will be measured by the length of time heating has to remain on, the building temperature and also heating bills. An additional outcome is improved ambience demonstrated in increased attendance numbers.

Sustainability: The VC report that they are dedicated to maintaining their buildings, to reducing costs, and behaving in a conscientious, respectful way towards the environment. The VC Gallery and staff are committed to sustaining this work for the long term and look to make further improvements with other initiatives such as solar panels.

Total budget £29,276
Total requesting from SDF £23,421

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Charity Number 1172407 Company Number CE009825
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£5855
Copies of quotations enclosed (where relevant)/ Notes of costings)	Partial		(Windows 1 £1968) (Windows 2 £1128) Total Estimate is £8952 Accessible Doors 1 £16,824
Can be delivered in 6 -18 months	Y		
Planning consent	Y		N/A
Eligibility checks completed	Y		

Officers Recommendation: Offer partial funding of £9,184.63

Rationale: Energy Efficiency improvements in a well-used community space are a high-impact way to allocate funds to reduce carbon emissions and increase public good. Located outside the National Park, but with people from across the Park and Pembrokeshire visiting the facility. Providing one warm and comfortable space is an efficient way to warm a large number of individuals. The VC gallery has previously received SDF grant funding towards educational programmes, but not for energy efficiency works.

1.5.3 Cwm Airan – Ffydd yn y Pridd (Soil Health Promotion)

<u>Project Summary:</u>	Promotion of Biochar for Soil Health and Carbon Reduction
<u>Ref:</u>	SDF/202405/10
<u>Applicant:</u>	Cwm Arian Renewable Energy Ltd
<u>Location of project:</u>	North Pembrokeshire, involving Farmers and Landowners from across Pembrokeshire

Project description:

Ffydd yn y Pridd is a social enterprise which is part of Cwm Arian Renewable Energy. They are seeking funding to work with farmers and food producers to promote biochar – a high carbon form of charcoal – from biomass produced on farms which is currently often burnt as waste, releasing carbon dioxide into the atmosphere. The project will use a combination of demonstration, education and circular economy to work with local agricultural and horticulture operations as well as smallholders to transform 'waste' biomass products (hedge trimmings, brash) into valuable products (biochar and inoculated biochar).

Impact measurement:

Activity: 4 x Biochar demonstration

Desired impacts: 32 people are aware of the benefits of Biochar and sequestering carbon through agriculture/horticulture. Biochar created becomes available to host. Carbon sequestered on host site.

Indicators: Numbers of attendees, feedback forms, record of amount of Biochar used by host.

Activity: 3 x Soil health workshops

Desired impacts: 36 people learn how to activate Biochar with Biofertilisers and use it effectively to promote soil health. Knowledge of maintaining soil health without chemical fertilisers and how biochar sequesters carbon.

Indicators: Number of attendees, feedback forms

Activity: 3 x fascine making workshop

Desired impacts: 36 people learn to prepare brash and make fascines for Biochar feedstock. Knowledge of using hedgetrimmings to sequester carbon and enrich soil rather than releasing carbon dioxide. Sources of feedstock for our own Biochar.

Indicators: Number of attendees, feedback forms, record of amount of fascines produced and any future purchases from attendees.

Activity: Demonstration site

Desired impacts: 250 people witness and interact with visible demonstration of biochar use in horticulture.

Indicators: Record of number of visitors to demonstration site.

Activity: Brash Fascine viability research

Desired impacts: To ascertain whether it is financially viable to purchase 'Brash fascines' made from hedge trimmings from farmers and small holders.

Indicators: End of project report containing details of amount of 'Brash fascines' purchased and volume/value of resulting Biochar.

Activity: Biochar production

Desired impacts: To produce locally made biochar for sale.

Indicators: Sales figures from social enterprise.

Sustainability: The project aims to develop a social enterprise with environmental and social impact, which can become self-financing. Long term funding needs (August 2025 onwards) will be met by the following means: Bulk sales of Biochar, Rock dust and Biofertiliser; Workshops and courses in soil health; Hire of Biochar kiln; Soil consultancy; Sales of small amounts of Biochar, Rock dust, Biofertiliser, related literature and equipment at events and through an online shop; Further grant funding if available.

Total budget £35,544

Total requesting from SDF £22,044

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Community Benefit Society – Registration 31380R
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£13,500
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		Job Descriptions and Budget Breakdowns Supplied Training Courses 4 biochar demos, 3 soil health courses, 3 fascine courses £2458.00 Demonstration Site - Tools, Materials, Feed stock, Shelter £5000.00 Project Coordinator - £9835.61 Project Officer - £9835.61 Communications Officer £3278.54 Support Costs and Marketing - £5136.16 TOTAL - £35543.91
Can be delivered in 6 -18 months	Y		September 2024 – August 2025
Planning consent	Y		N/A
Eligibility checks completed	Y		

Officers Recommendation: Offer partial funding of £9,184.63

Rationale: Biochar is a critical resource for tackling the climate and nature emergencies, and inclusion of agricultural stakeholders in this societal transition is vital. Deliverable outcomes of this project are less well defined than others, and Cwm Arian have received funding from two previous SDF rounds.

2. Unsupported Applications

Applications received but unable to support (pre-sift)

Project Type	Organisation	Remarks
A	Solva Harbour Society	Only one quotation supplied, project cost exceeds £10k
D	The Wildlife Trust of South and West Wales	Incomplete quotations to support expenditure supplied

2.2.1 Solva Harbour Society Renewable Energy

Project Summary: Installation of a 8.5kWp solar PV system (20 Panels)

Ref: N/A

Applicant: Solva Harbour Society

Location of project: Trinity Quay Solva

Project description:

Solva Harbour society are seeking funding to install a Solar PV system on their clubhouse, to reduce their carbon emissions and futureproof energy consumption, as part of a commitment to move the society to carbon neutrality in the future. This will contribute to Pembrokeshire County Council's action plan to be a net-zero county by 2030. They state that their organisation is a central pillar of life in the community of Solva for locals and visitors, and that their facilities are visited by swimmers, walker, sailors and anglers. They hope that a visible Solar PV system will synergise with the project at the upper clubhouse and change consumer behaviour and energise others to take collective actions towards a transition to a lower carbon future; move community assets to becoming carbon neutral; and reduce costs and impacts of climate change on local communities.

Impact measurement: Meters will record the offset produced by PVs. This will be passed onto society members in a monthly environmental impact statement. Prior year usage figures will demonstrate efficacy of the scheme. Signage on the clubhouse including information listed on our website will also share similar information.

Sustainability: Other schemes are being explored to further decrease the overall impacts of the Society. This includes the potential for seagrass planting and maintaining ecosystems within the society estate.

Total budget £18,627.34

Total requesting from SDF £14,627.34

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered Community Interest Company - Registered Society Number RS008385
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£4,000
Copies of quotations enclosed (where relevant)/ Notes of costings)		N	<p>20x Trina Vertex S+ 425W Dual Glass N-Type (Transparent Backsheet) solar panel SolarEdge HomeHub Inverter - 3ph, 8kW inverter Emlite EMP1 Three Phase meter Label sheet 2x AC isolator - Projoy 20A 4-pole 2x SolarEdge Home Battery 48V 20x SolarEdge Optimiser S440 2x Pair of MC4 connectors 50m reel of 4mm2 solar cable 44x Fastensol mini rail 400mm (portrait) 8x Fastensol end clamp (30mm black) 36x Fastensol mid clamp (30mm black) Switchgear for connection to system Services Roof Labour Electrical Labour</p> <p>Total including VAT £18,627.34</p> <p>Only 1 quote provided.</p>
Can be delivered in 6 -18 months	Y		
Planning consent	N/A		Applicant has confirmed this project falls within permitted development.
Eligibility checks completed	Y		

Officers Recommendation: Reject

Rationale: Insufficient quotations submitted

2.2.1 The Wildlife Trust of South & West Wales – Sustainable Skokholm

<u>Project Summary:</u>	Energy Efficient Building Works and Renovations
<u>Ref:</u>	N/A
<u>Applicant:</u>	The Wildlife Trust of South & West Wales
<u>Location of project:</u>	Skokholm Island, SM738051

Project description:

Funding is sought to rebuild the dedicated room for field study on Skokholm, to include the drying and storing of equipment without the need for internal heaters; saving energy and capturing solar energy more efficiently during the day.

The rotting wooden structure will be refurbished with long-lasting, recycled ecoplastic materials to ensure the integrity and waterproofing of the building but also reinstate a biosecure space free of mice and voles.

Impact measurement:

Number of Propane gas bottles delivered to island annually.

Litres of diesel consumed by vehicles used to transport gas bottles.

Litres of diesel consumed by back-up generators.

More efficient use of electricity generated by solar panels.

Number of volunteers attending work-parties

Number of long-term volunteers involved in ringing and bird study and receiving training.

All fuel purchased during the year is recorded by our financial accounting system and generator usage can also be measured in run hours and thus litres of diesel consumed.

WTSSW calculated its carbon footprint in 2021 and developed a carbon reduction strategy as a result. These measures on Skokholm will be added to the 2024 action plan and the impact of these measures quantified and reported to our Board, members and The Wildlife Trust central team.

Sustainability: Skokholm Island is one of the most important sites for seabirds (including 90,000 pairs of Manx Shearwater) in the UK. It sits within the Pembrokeshire Marine SAC and is part of the Pembrokeshire Islands SPA. Skokholm is designated as a NNR in recognition of its ecological importance and unique ability to capture people's imaginations and communicate the conservation messages and results of the scientific work completed annually by our wardens. WTSSW are committed to maintaining a resident staff and volunteer capacity on Skokholm, honouring the traditions that pioneering naturalist Ronald Lockley started when he arrived on the island in 1927. Our fundraising activities and supporter's schemes will ensure our core activities can continue.

Twice annual volunteer work-parties will maintain island infrastructure, although the use of recycled plastic materials for the new field-studies room will reduce labour costs and eliminate the need for paint and wood treatments. With climate change predictions indicating more autumn storms of greater power, WTSSW look to make the island as self-sufficient as possible, reducing reliance on delivery of fossil fuels by boat.

Being able to offer accommodation and onsite training and mentoring to young ornithologists and ecologists will enable a transfer of skills. In line with EDI policy, WTSWW aim to make seabird study and ecology more accessible. By providing free accommodation, better facilities and covering transport costs they hope to remove barriers to under-represented groups and individuals with financial constraints on participation. To produce the skilled fieldworkers, wardens and naturalists who will continue our work in the future, the skills gap in biological survey and species identification needs to be addressed.

Total budget £8916
Total requesting from SDF £5994

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Charity No. 1091562 Company No. 4398959
Sufficient project detail supplied on/with application form	Y		
Minimum 20% match funding secured	Y		£1486
Copies of quotations enclosed (where relevant)/ Notes of costings)		N	<p style="text-align: right;">Total Budget</p> <p>Building Efficiency–Ecoply timbers for field study room £5300 (partial quotations received £2567.22)</p> <p>Workshop Sundries – Tools, PPE for volunteers £800</p> <p>Catering for Workparty Volunteers £630</p> <p>Boat hire – specialist transport for materials and crew £750 (quote received) £960 volunteer time</p> <p style="text-align: right;">Total Project Budget £7430</p>
Can be delivered in 6 -18 months	Y		
Planning consent	Y		N/A
Eligibility checks completed	Y		

Officers Recommendation: Reject

Rationale: Insufficient information and quotations in budget.

Background Documents:

Authors: James Leatham, Decarbonisation Officer

14/04/2024

jamiel@pembrokeshirecoast.org.uk 01646 624920

Pembrokeshire Coast National Park Authority
The Grants Committee – 08 May 2024