

Report of the Funding and Grants Officer

Subject: Applications for Consideration

Members are requested to review the 5 applications and come to a decision in respect of the request for grant funding.

The summary & eligibility check for each application follows.

Summary table

Project Type	Ref	Organisation	Funding Sought £
A	SDF/102021/1	Narberth & District Community & Sports Association	9,932
A	SDF/102021/2	Cwm Arian Renewable Energy	9,560
A	SDF/102021/3	Ludchurch Village Committee	9,000
D	SDF/102021/4	Awel Aman Tawe	10,080
D	SDF/102021/5	Ffynnone Community resilience – North East Pembrokeshire	22,843
		Total funding sought	61,415

2.1 Renewable Energy generation projects (A)

Project Summary: Install Solar PV panels

Ref: SDF /102021/1
Project Title: Bloomfield House Community Centre Solar PV Project
Applicant: Narberth & District Community & Sports Association
Location of project: Bloomfield House Community Centre, Narberth
Project description: To install micro generators at Bloomfield to help cut energy costs and reduce the association's carbon footprint.

The planned 8.6kw system will provide 8.28 mwh per year, saving 2.33 tonnes of carbon, (the equivalent of planting 107 trees). The addition of a solar edge hot water heater will enable any excess energy produced to help contribute to the centre's hot water needs, which are considerable.

The centre is used by over 180 regular groups, societies and businesses. 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 and Community Mental Health Team offices, PCC day care centre for the

elderly, fitness suite, community fridge, 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 29 local people and facilitates numerous other employment opportunities for example, sports coaches, office staff and carers.

The implementation of this system will benefit 2000+ people that visit Bloomfield House Community Centre every week.

Impact measurement: The project will actively promote environmental awareness in the community, encouraging users to change their behaviour, reduce their energy consumption and carbon footprint. Estimated annual carbon savings with the system we intend to install are 2.33 tonnes per year.

A digital meter situated in the Recreation Hall plant room will display the energy generated by the solar panels. 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. This data 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.

Sustainability: The solar panels require very little maintenance. Green Warmth, NDCSA's 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.

Total budget £12,415
Total requesting from SDF £9,932

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered Charity 512032
Sufficient project detail supplied on/with application form	Y		Yes sufficient detail supplied.
Minimum 20% match funding secured	Y		Narberth & District Community & Sports association reserves Total Match funding: £2,483
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		Solar PV System £10,389.30 Scaffolding £1,080.00 Solar edge meter £277.30 Solar edge hot water heater £667.73 Total £12,415
Can be delivered in 6 -18 months	Y		Start date November 2021
Planning consent	N/A		
Eligibility checks completed	Y		

Officers Recommendation – Approve

Rationale: Well used community centre just outside the National Park installing PV panels generating renewable energy. The group have clearly demonstrated how the project will be sustainable, how they will use the installation to communicate to everyone who uses the facilities, and explained how they will measure the energy generated and impact.

Project Summary: Y STIWDIO - PWERI'R POBL, installing pv solar panels on new community studio

Ref: SDF /102021/2

Project Title: Y STIWDIO - PWERI'R POBL (*the studio - powering the people*)

Applicant: Cwm Arian Renewable Energy (CARE)

Location of project: Garej y Sgwar, Hermon, SA36 0DX

Project description: Install a solar photovoltaic system at Y Stiwdio, including simple battery storage to allow for flexible use of the renewable energy generated. This would expand the educational potential of Y Stiwdio as a demonstration site - meeting the needs identified through community consultation - and help to embed learning about low impact lifestyles, which can lead to the changes to consumer behaviours.

Cwm Arian Renewable Energy (CARE) are in the process of building Y Stiwdio in Hermon, just outside the National Park, in response to public consultation which identified a desire for local studio space and low-impact demonstration sites in the community. Using natural and innovative building materials and methods, Y Stiwdio will be available for people to use as a venue for practical, creative activities. As Y Stiwdio is itself a demonstration site of low-impact building methods, those activities will be carried out in that context. The community have been consulted with during development of the building, and have a series of work days scheduled so volunteers can take part in elements of the building process, and co-design the garden and the interior finishes.

As well as the pv installation, CARE will also organise a series of 6 fun and practical Pweri'r Pobl workshops which give people hands-on experience of designing small-scale solar technology systems. The series will include sessions in which workshop attendees are introduced to Y Stiwdio's solar system, and will also teach attendees how to apply the skills required for solar technologies to repairing other domestic appliances.

The installation of solar PV and battery storage will lead to a reduction in use of mains electricity for powering lighting, appliances and heating. Excess energy, once the battery is charged, will be sent to the hot water tank, and a final surplus will be exported to the grid, creating more availability of sustainably sourced electricity in the national energy mix. The 4kW PV system can be expected to generate over 3,000 kWh of electrical energy per year, and over the system lifetime is expected to negate 2000kg of CO2.

The inclusive Pweri'r Pobl workshops will embed learning about renewable technologies and repairing appliances which will go some way to changing consumer behaviours of the workshop attendees and their friends and families. This will also be a factor in the Y Stiwdio being a demonstration site; the solar panels will be an inspiration for people wishing to make low-impact lifestyle choices.

CARE staff will lead on Pweri'r Pobl workshop arrangements, bringing in specialist tutors and experienced partners where required. This is likely to include members of organisations involved in low carbon economy work and community energy in Pembrokeshire - for example Transition Bro Gwaun, Clynyfw Care Farm, Egni Coop, Renew Wales, and Community Energy Wales.

CARE staff will also coordinate installation of the solar panels by accredited installers who have willingness to work collaboratively with workshop attendees.

Impact measurement: The direct kWh and Kg of Co2 savings made will be easily measured by way of the display on the solar inverter; this translates easily into a £GBP saving per annum, the figures with a monthly tally to be shared with funders, stakeholders and the general public using Y Stiwdio. There is an additional amount included in the full project cost for a data display system on the energy diverter, which will give an easily accessible way of monitoring and demonstrating the energy flows, and improve the options for public engagement in energy generation and usage in the building.

The Pweri'r Pobl workshops will be monitored and evaluated via feedback forms and informal reporting from attendees to help understand whether they have learned transferable skills, feel they have been included, and to what extent their consumer behaviours have changed. Feedback will also be requested on the preferred format, cost and content of future workshops, to help understand where skills-gaps may be and so project delivery can be improved.

Sustainability: The Pweri'r Pobl workshops will be amongst the first to be arranged by CARE using Y Stiwdio as a venue. This funded opportunity to deliver practical, skills-based activities will help build a foundation for future activities which we aim to develop and deliver based on the feedback from Pweri'r Pobl attendees.

The sustainability of delivering practical workshops in the future may depend partly on the willingness of participants to pay for attendance - this funding will allow us to trial a sliding scale 'pay as you feel' attendance fee for the Pweri'r Pobl series as a way to scope the amount people are willing and able to pay.

CARE have skilled PV technicians and people experienced in alternative building on their Board, and will benefit from their knowledge in choosing the best affordable technologies which have a good track record of longevity and ensuring the installation is of good quality. The solar inverter will have a 10 year warranty and the panels warrantied for 20 years. The ongoing care of the panels is assured as Y Stiwdio is managed by CARE as a community asset; cleaning and monitoring of the condition of the panels will be part of a whole-building maintenance schedule overseen by the Board. Furthermore, a ring-fenced repair and replacement fund for all key components of the building, including the solar panels, will be built up in the coming years, partly using savings from electricity generated.

Total budget £11,950
Total requesting from SDF £9,560

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Community Benefit Society Registration Number: IP031380

Sufficient project detail supplied on/with application form	Y	Yes sufficient detail supplied.
Minimum 20% match funding secured	Y	Voluntary donations from workshops (attendees, equipment, partners in kind) £1890 CARE reserves £500 Total Match funding: £2,390
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y	4kw solar pv panels including inverter, mounting & installation £4,000 5kWh storage, associated battery charger/ inverter and energy diverter £3,750 Pwen'r Pobl Workshops x 6@ £450/ session £2,700 Staff time (supporting workshops and installation 100 hours £1,500 Total cost £11,950
Can be delivered in 6 -18 months	Y	Start date January 2021
Planning consent	N/A	
Eligibility checks completed	Y	

Officers Recommendation – Approve with conditions

Rationale: Energy generation for a new community building, interesting element offering workshops to learn about renewable technologies and repairing appliances. They have demonstrated how they will measure the impact of the project and how it will be sustainable. It is recommended the project does not receive funding until their first project SDF/012021/2* has completed (scheduled completion date November 2021).

*Pembrokeshire Energy Efficiency Programme (PEEP) is a research project looking at 'What mobilises North Pembrokeshire residents to make effective low-carbon life choices through their household energy use?' end report is due to be received 15th November 2021.

Project Summary: Batteries for Solar Panel Power Storage

Ref: SDF /102021/3
Project Title: Batteries for Solar Panel Power Storage
Applicant: Ludchurch Village Committee Charity
Location of project: Longstone Community Hall, Ludchurch
Project description: Funding sought for installation of batteries to reduce bills and obtain a lower carbon footprint. The community hall has a split phase electrical supply enabling two distinctly separate circuits, namely a supply for the installed Air Source heat pump and the other supply supporting the domestic services supply ("fridges kettles etc.) Both supplies have their own solar energy array, nominally 7kW and 2 kW for heat pump and domestic services respectively.

The batteries will enable the energy generated in the day to be stored for evening use when the solar array is not generating energy. The heat pump energy inputs both into the domestic hot water storage system (toilets and kitchen), and also it supplies the Hall's underfloor heating circuits.

Additionally, a smaller battery would support the electrical domestic circuits, i.e., fridges and kettles and sockets supplying the Hall's activities. The Hall's "domestic electrical supply" battery system could support daylight demand for electricity and then serve the evening's requirements efficiently.

Briefly, the following benefits apply:-

A) Annual Combined carbon savings = 1,520kgCO₂e

B) Annual Cost savings :- Usage average 4,288kWh/annum @ 18p per kWh = £771.84

If installed, the Hall will be a national showcase example of high efficiency energy systems operating effectively in an existing older building.

Impact measurement: The output of the Solar panels and the electric used is currently measured. The amount of power stored in the batteries, the amount used from the batteries and therefore the overall amount of electric saved from the grid, the financial savings and the overall reduction in the Hall's carbon footprint will be measured.

Sustainability: Batteries and Inverters have a 10 year guarantee and the Solar Panels a 25 year guarantee.

The regular maintenance will be done by the provider and installer.

Total budget £11,680
Total requesting from SDF £9,000

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered Charity 1174902.
Sufficient project detail supplied on/with application form	Y		Yes sufficient detail supplied.
Minimum 20% match funding secured	Y		Using charity reserves Total Match funding: £ 2,680
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		2 x 7.1kw system installed inc labour £10,980.40 Extended warranty £350 per inverter £700 Total cost £11,680
Can be delivered in 6 -18 months	Y		Start date as soon as funding secured.
Planning consent	N/A		
Eligibility checks completed	Y		

Officers Recommendation – Approve

Rationale: Installation of batteries, to ensure efficient use of energy generated through the day. There is evidence of match funding, evidence the project will reduce carbon and how they will measure this. This hall is newly refurbished and is already well-used.

2.2 Any other community-based carbon reduction initiative (D)

Project Summary: We are Energy Rappers

Ref: SDF/102021/4
Project Title: We are Energy Rappers
Applicant: Awel Aman Tawe (AAT)
Location of project: 6 primary schools in Pembrokeshire, English and Welsh medium
Project description: Working with 6 primary schools in Pembrokeshire that have invested in clean, renewable solar panels. *We are Energy Rappers* is a continuation of the *We are Energy Warriors* project; a partnership project run with Pembrokeshire Sustainable Schools. *We are Energy Rappers* will focus on engaging pupils in working on energy reduction and climate change as an extra-curricular activity. The project has a music and creative focus and will target pupils in working independently on an issue they feel passionate about.

The schools involved will be the [Egni solar schools](#) * (as a continuation of *the We are Energy Warriors* project, or for two schools as a way into working on energy reduction in their school. Awel Aman Tawe currently work with: Ysgol Bro Inqli, Ysgol y Frenni, Saundersfoot Primary School and Golden Grove Primary School and hope to engage in this project with Prendergast Primary School and Lamphey Primary School.

A series of activities will be run engaging the schools Eco Clubs and the wider community in discovering more about renewable energy through practical activities:

- Working with [Yinni Da](#) renewable energy consultant (bilingual) who will demonstrate exciting renewable energy projects, and practical ways to use and generate renewable energy.
- Taking part in hands on experiments using practical science to discover the history of energy from steam to wind and solar energy.
- Providing the music and power for their own pedal powered disco.

Pupils will learn about climate change and energy reduction by taking part in activities on the Energy Sparks website which allows pupils to monitor energy use in the school, supported by the Education Officer at AAT who will lead workshops on campaigning and spreading the message.

To finish the project pupils will take their knowledge and skills in campaigning and work with Mr Phormula (bilingual), a rapper, to express how they feel about climate change and energy through rap, spreading the message to make changes in life styles which will lead to lasting behaviour change.

The energy reduction in school will be monitored through the Energy Sparks platform. Behaviour changes will be driven by the Eco Club in the school who will monitor energy reduction habits in school and in the wider community.

The aim of the project is to engage the whole community in energy reduction, increase energy literacy and eco literacy and create sustainable behaviour changes. While *We are Energy Warriors* addresses the curriculum for Wales 2022; *We are Energy Rappers* will reach out to a wider audience through music and the power of pedal discos. Their creativity will capture the attention of Wales and beyond and inspire others to also make change happen. There is a movement towards zero carbon schools, and the pupils on the project will lead the journey in their schools in their corner of Wales.

Impact measurement: Eco Clubs will take action on climate change and energy reduction by continuing the work of *We are Energy Warriors* across the curriculum during the Spring term. They will investigate energy reduction methods and implement these in the school. They will raise awareness of climate change through working with staff and pupils and sharing their rap.

The project will be measured through collating quantitative and qualitative data.

- Quantitative data includes measuring the real change in energy consumption using the website Energy Sparks. Following their actions pupils will be able to measure their reduction in electricity and gas, and carbon emission reductions through the website. Social media and discussions on climate change will also be monitored.
- Qualitative data will be collected from workshops through questionnaires, assessment for learning and participatory methods which will assess knowledge, skills, values and attitudes towards climate change at the beginning, middle and end of the project. The project will reach wider audiences and engage governors, PTA and parents and families in external facing events. Pupils will create their own questionnaires, data to collect and ways to measure change through their own campaigns.

Sustainability: The project will be the continuation of *We are Energy Warriors* which builds on the journey that the school is making towards becoming a zero carbon school of the future. Networks of like-minded organisations, teachers and pupils who will be empowered to continue their journey beyond the project will be created. An increase in knowledge, skills and values to promote sustainable lifestyles beyond the scope of this project.

Creation of networks across Pembrokeshire which will enable the schools to build on their knowledge and learning and sustain behaviour changes beyond energy reduction to other themes such as the food we eat, protecting wildlife, reducing plastic use and protecting the oceans. AAT will work with Pembrokeshire Coastal Forum, Haverhub, Span Arts and Pembrokeshire Sustainable Schools to deliver workshops and share educational resources. Provide teacher training and support for pupils throughout the project ensuring that they have knowledge, skills and values to continue the project and the resilience to share their learning with those around them.

Success will be celebrated through production of a promotional film which will be shared widely amongst networks.

* www.egni.coop/solar-schools-powering-into-renewable-energy-future-in-pembrokeshire

Total budget £12,600

Total requesting from SDF £10,080

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Registered Charity 1114492
Sufficient project detail supplied on/with application form	Y		Yes sufficient information provided.
Minimum 20% match funding secured	Y		Project Management £2,100 Promotional activity (communications & graphic design (2 days) £420 Total Match funding: £2,520
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		Overheads £1,000 4 workshops repeated in 6 schools plus a conference workshop in each school total costs £8,500 Promotional activity – film and community events £1,000 Project management 10.5 days £2,100 Total project cost £12,600
Can be delivered in 6 -18 months	Y		The project will take place during Spring Term 2022 – 3rd January – 15th April 2022
Planning consent			N/A
Eligibility checks completed	Y		

Officers Recommendation – Approve

Rationale: Innovative educational program spreading the message on climate change in innovative, engaging and creative way. The organisation although based outside Pembrokeshire is working with Pembrokeshire schools and is well networked with local organisations such as the outdoor schools network. The applicant has clearly demonstrated how they will measure the impact of their project and communicate the message widely.

Project Summary: Sow it to grow it

Ref: SDF/102021/5

Project Title: Sow it to grow it

Applicant: Ffynnone Community resilience in North East Pembrokeshire

Location of project: 2 sites:

Cilgerran Fruit and Nut orchard and community garden &
Field of Beans regenerative agriculture Blaenffos

Project description: Developing a multipronged approach to sustainable living. There are 4 elements to the project which will be delivered on 2 sites in North Pembrokeshire (Cilgerran and Blaenffos)

1. More planting on both sites
2. Run education courses such as growing food from mushrooms and grafting. The aim is to support people to take away what they have learnt and continue with it.
3. Activities: - Open days for the community – all ages and demographics, ‘food and fun’ arts activities, growing learning about food and nature and the environment. Focus on bringing community together.

Plus

Wellbeing days. Working in partnership with local charities to support people with specific needs to enjoy the sites for health and wellbeing benefits. Such as refugees, people in supported living and people who access the food banks.

4. Creating and developing a ‘network’ for small – medium scale growers in North Pembrokeshire to organise cooperation for example around seed sharing. And provide space for local enterprises to trial new business.

This project will:

- Improve access to public land: creating orchard and village meeting place in overgrown tennis courts.
- Regenerate area of pasture into a haven of biodiversity, human collaboration and celebration of the land and the connections which sustain us.
- Upskill, empower and inspire people to take control of their food system, start projects, cooperate, disseminate knowledge.
- Enhance mental and physical wellbeing and connection with environment and community, by providing a shared spaces to meet safely, doing meaningful work, connect people, provide access to land to people who haven’t any.
- Provide good food to those in need, including Food Banks.
- Provide educational materials, library, tools for local use.
- Reduce atmospheric carbon by long-term sequestering in soil, medium-term sequestering in trees, reduce carbon emissions of intensive food production and transport
- Increase local resilience to effects of global climate change by shortening food chains, mitigating risk of unavailable food imports and increase resilience by enhancing microclimate and hydrology and teaching others to do the same.
- Save seed and propagate resilient local strains of nuts, fruits, vegetables, grains in order to promote diversity, resilience to climate change and local adaptation.
- Enable people to start their own projects, focus on cooperative working and empowering each other.

The project will benefit:

- 40 volunteers.
- 30 on courses.
- 400 attendees at learning sessions, wellbeing and open days
- 50 Food bank users.
- 6 local teachers.

There are no similar projects running locally. We already work with and will continue to feed into work of other local and national organisations such as CARE, Grwp Resilience, LWA, Llafur Ni, Naturewise.

Impact measurement: The impact of the project will be measure by:

- Number of people engaged at events.
- Assessing feedback from forms provided at events.
- Assessing feedback from forms provided in Food Bank boxes.
- Using targeted questions at the suggestions boxes at sites
- Running focussed feedback activities at open days.
- Asking for input from the community via online pages and both open and closed groups.
- Count the number of new projects inspired by this one
- Steering group monthly review meetings.
- Share learning and best practice and to assist overarching organisations to measure the impact of local projects
- Compare the project outputs to the local aims and objectives produced at the local People's Assembly online which had over 80 attendees. Speakers included Food Bank, local CSA etc. Advertising for the event included online, noticeboards, over 1,000 flyers distributed door to door in collaboration with a Community Council, direct invites to Community and County Councillors.
- Compare the project outputs with the suggestions from local people and businesses gathered by online and in person survey.
- Ask for feedback from elected representatives.

Sustainability: The projects will run long term. Ffynnone have a growing core of dedicated individuals, with considerable professional expertise in relevant fields. This skill set and drive is a key resource and will continue to attract similar individuals to the group. As part of the project, they will strengthening this group by encouraging more volunteers and members of the wider community to engage further with running and directing the organisation, e.g. local community councillors are encouraged to put themselves forward as board members.

Ffynnone have a large set of engaged and able volunteers, who will continue to be nurtured by providing supported work sessions and fun sessions including food sharing.

The project will be promoted through: social media, newspaper articles, contacting elected representatives, local noticeboards in shops, housing developments and Food Bank. They also have a mailing list of 200+ people, will collaboration further with local organisations, community councils.

Fynnone has been running for 18 months with only small donations from local people and organisations and intend to build up financial reserves through:

- Crowdfunding, we already use Local Giving
- Taking donations at events
- Asking volunteers, supporters to consider donating a regular amount

We intend to apply for National Lottery People and Places funding or similar funds in 2022/23.

Total budget	£69,347
Total requesting from SDF	£22,843

ELIGIBILITY CRITERIA	Yes	No	Comments
Not for profit Organisations	Y		Unincorporated organisation. Constitution provided.
Sufficient project detail supplied on/with application form			Yes sufficient information provided.
Minimum 20% match funding secured			<p>Awards for All (applied not approved) £8,970</p> <p>Pembrokeshire Coast meadows management fund secured £1,934</p> <p>Magic Little Grant (secured) £500</p> <p>Volunteer hours £35,100</p> <p>Total Match funding: £46,504</p>
Copies of quotations enclosed (where relevant)/ Notes of costings)	Y		<p>Officer time: project coordination, volunteer support £9,360</p> <p>Growers network coordinator £2,340</p> <p>Courses and learning sessions £3,430</p> <p>Outreach –open days, wellbeing days, away days £2,880</p> <p>Translation costs & communications £1,155</p> <p>Volunteer training courses £1,080</p> <p>Seeds, plants, equipment for growing, processing £7,534</p> <p>Fencing & biodiversity creation area £5,868</p> <p>Kids playground kit £600</p> <p>Volunteer hours £35,100</p> <p>Total project cost £69,347</p> <p>Breakdown of costs have been supplied</p>
Can be delivered in 6 -18 months	Y		<p>Start date as soon as possible</p> <p>18 month project</p>
Planning consent			<p>Consent to use land have been obtained from Community Council (Cilgerran) – lease agreement until Dec 2025.</p> <p>and a private land owner (10 year lease agreement) Agreements have been provided.</p>
Eligibility checks completed	Y		

Officers Recommendation – Approval Subject to conditions

Rationale: This is an innovative project, the group are clearly passionate about climate change, food growing the impact of food in the climate and community. The group is a fledgling group and it is recommended that the group supply a project plan with quarterly milestones and claims profile for delivery and expenditure as well as explanation of volunteer hours planned for the project. Request quotes for seeds, plants, equipment for growing, processing £7,534 and Fencing & biodiversity creation area £5,868.

3. Date of Future SDF Committee Meetings

19th January 2022 (applications for consideration)

6th April 2022 (applications for consideration)

Background Documents:

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