

renewable energy marketplace

Tuesday 8 April 2014

10am-4pm

Westpoint

Exeter EX5 1DJ



Cut Energy Bills & Generate Income

The biggest energy event
in the south west

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Welcome!

Dear colleague

A warm welcome to Renewable Energy Marketplace 2014, the largest energy event in the south west.

When we ran the first Marketplace there were 13,000 renewable energy generators in the south west. Just four years later we are now close to 100,000.

I think this could and should be just the start, that many more organisations and households can benefit from generating their own clean and reliable energy and cutting energy waste.

That's what REM is all about – giving you everything you need to cut your bills and generate income from energy in one place on one day.

I'd like to thank this years sponsors Lightsource Renewable Energy, Jinko Solar, South West Water, Foot Anstey, DECC, CBCS, SunEdison, ACE and Ready for Retrofit.

Merlin Hyman
Chief Executive, Regen SW

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ready for retrofit
warmer greener
homes



What's on?

Conference



Exhibition & Talks



What's on?

10.00

Top tips for future of energy policy and the market

Gareth Redmond, head of renewables programme, DECC and Merlin Hyman, Regen SW

10.30

11.00

Contracts for Difference, Power Purchase Agreements (PPA's) and Auctioning

Alan John, Osborne Clarke and Chris Smith, NEAS Energy

11.30

12.00

How RHI will transform the way we heat

Panel discussion led by Tim Crook, Regen SW with Patrick Allcorn, DECC, Andy Buchan, CEEC, Ian Stares, Plumbing Trade Supplies and Chris Davis, Kensa Heatpumps.

12.30

1.00

1.30

2.00

Overcoming grid and planning challenges

Aidan Morris, grid delivery manager, Lightsource Renewable Energy and Tony Berndes, Western Power Distribution

2.30

3.00

DECC's Community Energy Strategy and what it means for your projects

Cheryl Hiles, Regen SW, Jonathan Johns, Communities for renewables CIC and Chris Pritchett, Foot Anstey

3.30

Installer & Technology Zone

Wind

Julian Martin, ICE Renewables

Biomass

Stephen Green, Tresco

Hydro

Chris Elliott, Renewables First

Solar panels

Juan Carlos Gonzalez, JinkoSolar

Renewable Heat Incentive Zone

An update on the domestic RHI

Patrick Allcorn, head of RHI household support, DECC

Applying for the RHI OFGEM**Certification update MCS****An update on the domestic RHI**

Patrick Allcorn, head of RHI household support, DECC

Applying for the RHI OFGEM**Certification update MCS**

Farmer and Landowner Zone

Energy farmers

Steve Edmunds, Mole Valley Farmers

Farm scale anaerobic digestion

Jonathan Scurlock, NFU

The impact of solar farms on livestock and food production – the right land management plan

Digby Summerhill, Lightsource Renewable Energy

Community or small scale fuel supply

Corinna Woodall, Tamar Valley AONB

Landowners and community networking**A case study of a landowner delivering renewable energy using different models**

Ray Arrell, SWW

Renewable heat projects – understanding Renewable Heat Incentive (RHI) opportunities on the farm

Tim Crook, Regen SW

Building & Construction Zone

Energy efficiency older buildings

Alastair Mumford, Regen SW

Heat pumps

Graham Hazell, Heat Pump Association

PV

Jonny Williams, BRE National Solar Centre

Current and future energy legislation in buildings

Dan Lash, CEE

Solar thermal

Andrew King, Energy Saving Trust

Arts & Community Zone

Credibility and the new expertise: when storytelling has an impact

Mike Wilson, Falmouth University

Encounters participatory arts approach to social/ecological change

Ruth Ben-Tovim, Encounters

The power of the cultural voice; how culture can inspire a low carbon future

David Buckland, Cape Farewell

Myth busting

Mike Birkin, Friends of the Earth

Environment, art and science – inspiring engagement with creativity

Teenagh Cunningham, Baboró International Arts Festival for Children

Public art and the aesthetics of renewable energy

Robert Ferry & Elizabeth Monoian, Land Art Generator Initiative

The element in the room

Matt Harvey, Regen SW Poet in Residence

Energising culture, sustaining creativity – experiences with the arts and music sector

Chris Johnson, Julie's Bicycle, Shambala Festival and Powerful Thinking

Embedded action

Elizabeth-Jane Grose, Wadebridge Renewable Energy Network (WREN)

10.00

10.30

11.00

11.30

12.00

12.30

1.00

1.30

2.00

2.30

3.00

3.30

Conference

£45^{+VAT}
each per
session

£125^{+VAT}
for all
sessions

Session 2

11.00

Contracts for Difference (CfDs), Power Purchase Agreements (PPAs) and auctioning

Support for large renewable energy projects is entering a new world with the introduction of CfDs and auctioning. This session will examine how projects will be able to secure a CfD and how PPAs will work in the new regime.

- ▶ Alan John, partner, Osborne Clarke
- ▶ Chris Smith, NEAS Energy

Session 1

10.00

Plenary – Top tips for future of energy policy and the market

Energy policy is changing rapidly with dramatic impacts on distributed energy projects. This session will provide insight into how the market will change covering ECO, Contracts for Difference, RHI and EU targets.

- ▶ Gareth Redmond, head of renewables programme, DECC
- ▶ Merlin Hyman, chief executive, Regen SW

Session 3

12.00

Opportunities for Renewable Heat

There is huge growth potential for renewable heat as its importance is recognised. This session will examine the changing Renewable Heat Incentive and development of district heating.

- ▶ Tim Crook, Regen SW
- ▶ Patrick Allcorn, DECC
- ▶ Andy Buchan, CEEC
- ▶ Ian Stares, PTS
- ▶ Chris Davies, Kensa Heat Pumps

Session 4

14.00

Overcoming grid and planning barriers

Grid and planning remain key issues for delivering renewable energy projects. This session will hear how new approaches, collaboration and innovation can help overcome these barriers.

- ▶ Aidan Morris, grid delivery manager, Lightsource Renewable Energy
- ▶ Tony Berndes, Western Power Distribution

Session 5

15.00

DECC's Community Energy Strategy and what it means for your projects

DECC's new community energy strategy challenges industry to work with communities in new ways including a community 'right to buy'. This session reviews new business models and what is working.

- ▶ Cheryl Hiles, director, Regen SW
- ▶ Jonathon Johns, director, Communities for Renewables CIC
- ▶ Chris Pritchett, partner, Foot Anstey

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Conference speakers



Gareth Redmond

head of renewables programme, DECC

Gareth is head of the renewables programme team in the Office for Renewable Energy Deployment (ORED) in the Department of Energy and Climate Change (DECC). Most of Gareth's career, before late 2013, has been in the Home Office. Having worked on 'best value' as it related to the police and other aspects of police performance policy, he was involved in setting up the police standards unit in the Home Office in 2001 before working on cross-government and local government crime reduction targets. He was then a private secretary to the Home Secretary, working for both David Blunkett and Charles Clarke, before moving into police learning, development and HR policy. For five years after that, Gareth led operational teams in the UK Border Agency, delivering in-country immigration caseworking and enforcement operations across parts of London and the counties of the south east. Latterly, before joining DECC, Gareth led on police transparency, accountability and integrity policy.



Merlin Hyman

chief executive, Regen SW

Merlin is responsible for the overall management of Regen SW, the development of its work programme, relationships with key national and regional partners, and for providing public leadership for sustainable energy. He has led Regen SW's successful transition from public funding to an independent centre of expertise in renewable energy driving forward ground-breaking projects that demonstrate what can be achieved and unlock new investment in the sector.



Alan John

partner, Osborne Clarke

Alan is head of Osborne Clarke's energy & environment group, a position he has held since 1990. Alan and his team have particular expertise in advising on renewable energy strategies for property development and a range of renewables projects including wind, landfill gas, biomass and biofuel, hydro, solar and geo-pressure.



Chris Smith

business development manager, Neas Energy

Chris has worked in the UK energy industry since 1996, working for start-up businesses as well as EDF and RWE. He joined PPA provider Neas Energy in July 2013 to grow and develop the UK business building on their successes in Northern Europe where NEAS has 5500 MW of contracted capacity.

Andy Buchan

founder, CEEC

Andy Buchan who is the founder of Cotswold Efficient Energy Centre (CEEC). CEEC has won five national awards in the past 6 years. Andy now works as a Green Deal and MCS inspector, is a consultant for a national renewable energy company and has recently undertaken a media training course to promote the renewable energy industry.



Tim Crook

project manager, Regen SW

Tim is a project manager for Regen SW, and works to support the sustainable energy industry supply chain with particular focus on the technological aspects of project delivery. Tim comes from a background of engineering, having worked in the offshore marine renewables, building services and defence industries. Tim holds a masters degree in mechanical engineering.



Patrick Allcorn

head of RHI household support, DECC

Patrick is head of RHI household support at DECC. He joined the team in early 2012 and is responsible for developing the policy and the public consultation leading to the policy announcement of the Domestic RHI in Summer 2013. He also has responsibility for developing a marketing plan and engaging stakeholders for the whole RHI. Prior to this appointment he was responsible for aspects of community energy. He set up the LEAF project that enabled over 200 communities to set up local energy schemes in 2012. He also created Community Energy Online and ran engagement events for Plan LoCal both of which aim to provide a framework for local renewable energy schemes to be owned by and benefit to the local communities. Before joining DECC, Patrick worked for Transport for London and the London Borough of Croydon as well as time working as a journalist and a sustainability consultant.



Ian Stares

product director, Plumbing Trade Supplies

Ian is a Chartered and European Engineer who has held technical, sales and commercial positions in companies such as BOC, BG Group (Advantica) and the Baxi Group. Currently Ian is the Product Director – Renewables and Sustainable Energy Products for PTS Plumbing Trade Supplies, UK's Leading Merchant and part of the Travis Perkins Group. His responsibility includes the development of the renewable product strategy for the PTS and Group companies as well as assisting in sales development activities. Ian has worked in the renewable energy industry for a number of years having developed a renewable product range for leading heating manufacturers. The portfolio included solar thermal, solar PV, heat pumps, biomass and microCHP products. He has also worked for 5 years at the Advantica (formerly BG Group) as a Commercial Manager managing a B2B added value reseller, selling and servicing low carbon and renewable solutions responsible for P&L. Ian is currently a member of the DECC RHI Advisory Group and sits on various Trade Associations.



Tony Berndes

primary system design manager, Western Power Distribution

Tony is a primary system design manager for Western Power Distribution. Throughout his career, he has mainly been involved in the design of distribution networks, with a few years in Somerset looking after construction works on LV and 11kV networks. He now manages the primary system design teams across the whole of WPD's network area, who are responsible for new connections to and reinforcement of WPD's 33kV and higher voltage networks.

Conference speakers



Aidan Morris

grid delivery manager, Lightsource Renewable Energy

Based at the Lightsource head office in London, Aidan is responsible for planning and delivering high voltage grid connections which every solar power station requires in order to export the green electricity generated. His experience in the solar industry spans over 10 years during which time the challenges of getting distributed generation connected to the grid have grown significantly. His wealth of knowledge in evaluating grid projects and developing innovative solutions to overcome technical barriers ensures Lightsource is always at the forefront of commercial scale solar PV deployment.



Cheryl Hiles

director, Regen SW

Cheryl is responsible for Regen SW's broad programme of activity to support the delivery of sustainable energy in the region. She works with both the public and private sector to create an environment attractive for investment in sustainable energy; she is a founding director of the Communities for Renewables initiative which aims to bring forward socially responsible business models and social investment for community energy projects, and has recently written national guidance for the Department of Energy and Climate Change on best practice community engagement, and securing community benefits from wind energy projects in England. Cheryl continues to be proactive on local planning and policy issues, leading a number of successful initiatives to improve policy and practice on the ground. Cheryl began her career as the planning and environmental policy advisor at the South West Regional Assembly, where she was instrumental in setting up the REvision 2010 project to establish sub-regional renewable energy targets. Cheryl holds a first class honours degree in Geography and Applied Economics, and an MSc in Sustainable Environmental Management. Cheryl was also a trustee of the Centre for Sustainable Energy, a national charity based in Bristol, from 2005-2011..



Jonathan Johns, chairman

Communities for Renewables CIC

Jonathan is director and principal of ClimateChangeMatters Limited, a consultancy that specialises in mentoring a limited number of businesses on the opportunities and challenges posed by climate change. He is also principal of Jonathan Johns consulting whereby he provides thought leadership and speaking services to the renewables waste and cleantech industry. Previously he was head of Ernst and Young's award-winning renewables, waste and cleantech team which he founded. He also founded Ernst and Young's influential renewable energy country attractiveness indices for which he remains guest lead article writer and is a regular speaker and chair at renewable energy and waste conferences.



Chris Pritchett

partner, Foot Anstey

Chris is Foot Anstey's head of renewable energy, having practised in the environment sector for 12 years. As well as acting for a wide range of commercial clients in the energy sector across the full spread of generation technology, Chris also has a keen interest and extensive involvement in the community energy sector.



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Clinics – sit down with the experts

We recognise how difficult, costly and time consuming it can be to work through the legality's and financials of deploying your own renewable energy installation or being involved in a larger development.

Many property and landowners are regularly approached by renewable energy providers with visions of wind, solar, biomass or ground source projects – it's important to understand the opportunities as well as the risks for your potential projects if you are going it alone or in partnership with a developer.

With this in mind, this year we are offering delegates the opportunity to pre-book 15 minute slots with expert planners, lawyers, accountants and consultants. This opportunity will allow you to quiz an expert on the specifics of your own project, included in the price of your entry ticket.

Slots can be a maximum of 15 minutes and need to be pre-booked with Jodie Sawatzki on 01392 494 399 or by emailing jsawatzki@regensw.co.uk or head to the booking desk in the registration area on the day itself.

The types of questions you might ask;

- ▶ I've been approached by a developer offering PV for free on my field – what do I need to consider?
- ▶ What am I allowed to do under permitted development?
- ▶ I'm confused about 5% and 20% VAT rates on renewable energy projects – could you explain please?
- ▶ How do incentives affect income tax?
- ▶ I'm looking to put up a turbine on my farm and would like to get my community onside before I go to planning – what should I do?
- ▶ I have a developer looking to take an option on my land – what does this mean?
- ▶ Do I need to set up my community as a company to develop a community renewable energy project?

10.00-12.00 Sonya Bedford, partner, Stephens Scown

Sonya is a Partner with Stephens Scown solicitors, based in its Exeter office, and is head of the firm's Renewable Energy team. Her strengths lie in dealing with wind farms, wind turbine acquisition, solar pv (domestic and commercial), anaerobic digestion, biomass and hydro. Sonya is also experienced in dealing with grid connection agreements, issues arising with Ofgem accreditation and funding of renewable energy projects. She is currently undertaking her MSC in Renewable Energy. Sonya assists with many community energy projects and is currently on the steering group for the Exeter Community Energy project and the working party for the Fossil Fuel Free Farming project with Bicton College.

10.00-12.00 Maritta Boden- principal landscape architect - The Landmark Practice

Maritta is a Chartered Landscape Architect and Associate Member of the Royal Town Planning Institute. She is experienced in all areas of landscape planning covering landscape and townscape assessments for various types of development, protected landscapes as well as successful Landscape Partnership Bids. She has worked in both the private and public sectors for government departments and agencies internationally and locally. Maritta is also an environmental planner with specific skills in sustainability appraisals, recreation and tourism, developing new governance models and community engagement.

10.00-12.00 Gemma Melvill- senior environmental planner - The Landmark Practice

Gemma is a very experienced Senior Planner at The Landmark Practice where she specialises in Environmental Impact Assessment. She has worked extensively in the renewable energy sector, including on all of the wind turbine developments at Avonmouth, (for Wessex Water, The Bristol Port Company, and Bristol City Council) and a range of large scale solar PV schemes across the south west. Gemma is a Chartered Environmentalist, a Full Member of the Institute of Environmental Management and of the Chartered Institute of Ecology and Environmental Management.

10.00-12.00 Paul Hazeldine, senior associate, Clarke Willmott

Paul is a Senior Associate in the Private Property and Agriculture team specialising in renewables and non-contentious agricultural and rural property law. Paul frequently acts for landowners involved in the grant of options and leases relating to solar, wind and AD projects. Paul also advises on ancillary matters relating to renewable projects such as the grant of easements, wayleaves, direct agreements, and farming documents relating to the crop used to supply AD plants. Paul joined Clarke Willmott in 2009 after working as an agricultural property solicitor in Cambridge. Paul is a member of the Agricultural Law Association.

14.00-16.00 Matthew Grimwood, solicitor, TLT

Matthew is a solicitor in the Real Estate group and joined TLT in 2007. He provides support in relation to a wide range of renewable energy projects. Matthew recently returned from 9 months on part-time secondment to Somerfield. Matthew has acted for developers in relation to the negotiation of exclusivity agreements, site acquisition, full property due diligence and the negotiation of option agreements and leases. He has also acted for a number of clients in relation to the assignment and variation of option agreements as well as acting for funders in relation to the financing of several wind and energy projects.

14.00-16.00 Gary Roscoe, partner, TLT

Gary is a partner in TLT's Banking and Asset Finance team. He has broad experience of acting for financial institutions and borrowers in domestic and cross-border banking matters, and has a strong focus on renewable project finance transactions. Gary is independently recognised as an expert in his field by Chambers UK, a guide to the legal profession. Gary has acted for both developers and funders on an extensive range of renewable project finance transactions, including wind, solar, hydro and other low carbon technologies.



Green Cars

ZONE

About the zone

The world's leading electric and green cars are coming to REM in Exeter! We are offering you the opportunity to find out all you need to know about owning a green vehicle, including options for charging your car and how to choose the right car for you.

Experience nine different vehicles from five different manufacturers who can all offer you expert advice, as well as offering you the opportunity to test drive the cars. Test drives can be a maximum of 10 minutes and need to be pre-booked with Kerry Hayes on 01392 494 399 or by emailing khayes@regensw.co.uk. Alternatively, you can head to the booking desk in the registration area on the day.

Choose from the following cars:

- ▶ BMW – i3
- ▶ Toyota – Auris Hybrid and Yaris Hybrid
- ▶ Renault – Twizy, Zoe, Kangoo
- ▶ Lexus – CT and IS
- ▶ Tesla – model S

Charging point companies:

- ▶ SOL Electrical
- ▶ Sungift

*PS if you want to test drive don't forget BOTH parts of your driving license!

New for this year!

Test drive

Thanks to our sponsors



Technology & Installer ZONE

About the zone

Everyone wants to understand the technology. What do you need to consider when installing your chosen technology? These sessions will focus on commercial scale projects for businesses, including the related government incentives and payback periods. We have a number of installers in this zone that can help you understand the technologies.

Wind

Julian Martin, Ice Renewables

Biomass

Stephen Green, Treco

Hydro

Chris Elliott, Renewables First

Solar Panels

Juan Carlos Gonzalez, JinkoSolar

Smart energy solutions

Tamar Bourne, Regen SW

Developers and communities delivering projects

Cheryl Hiles, Regen SW

Don't miss the
Talks

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EXETER
Centre for Business
and Climate Solutions



Technology & Installer zone speakers



Julian Martin, co-founder and CEO
ICE Renewables

Julian is the chairman of the Medium Wind Group, RenewableUK, which is tasked with developing the first UK 'turbine design and installation standard' for the rapidly growing medium wind market. He is also an advisor to government on the Feed-in Tariff, representing the medium wind sector. Julian is also a supply chain and change management expert with over 22 years' leadership, decision-making and people management experience. He was a winner in the Citizenship Awards for the Entrepreneur of the Year 2010, and has a lifelong passion for the environment and a determination to minimize the effects of climate change and greenhouse gas emissions.



Stephen Green
Tresco

After a career in systems engineering the Royal Navy as an engineer officer, Stephen joined Regen SW in June 2008 to run the SW Bioheat Woodfuel Programme, including the SW Bioenergy Capital Grant Scheme, on behalf of the then South West Regional Development Agency and Forestry Commission. This programme was externally evaluated and assessed as influencing some 41% of the SW regional biomass installations. As an independent project and programme manager, Stephen went on to manage the Intelligent Energy Europe FOREST (FOsteRIng Efficient long term Supply parTnerships), before joining Tresco Ltd. in November 2012 as a project manager for biomass installations.



Chris Elliott, senior hydropower engineer
Renewables First

Chris is a chartered engineer who has been involved in micro hydropower development in the UK for over a decade. He ran hydro design company Western Renewable Energy for 8 years. Chris works on micro and small hydro projects throughout the UK including much pioneering work on Archimedes screw systems, and some of the largest low head projects in the country.



Juan Carlos Gonzalez, senior technical manager
JinkoSolar

From 1996 to 1998, Juan worked as a Quality Engineer in the automotive sector. After that he has been employed as Automation Engineer in Siemens SA. In 2000 Juan Carlos Gonzalez joined CGE&Y as an Analyst Consultant for SAP. From 2004 to 2007 Mr. Gonzalez was Engineer in FANUC CNC Europe. In 2007 he started his career in the PV business, working in Xantrex Technology as Engineer for 3-phase grid connected inverters, and Relatio as a Technical Director. In 2010 he joined Trinasolar as a Technical Manager first and Due Diligence Engineer for project development during the last year. In 2014 he joined JinkoSolar Co., Ltd. as Sr. Technical Manager Europe.



Tamar Bourne, project manager – policy
Regen SW

Tamar is a project manager for Regen SW and works to support local authorities and strategic decision makers in the development of the sustainable energy sector and the delivery of low carbon solutions. Tamar has a background in sustainability policy and research. Prior to joining Regen SW, Tamar worked as a policy adviser for the Sustainable Development Commission.



Cheryl Hiles, director
Regen SW

Cheryl is responsible for Regen SW's broad programme of activity to support the delivery of sustainable energy in the region. She works with both the public and private sector to create an environment attractive for investment in sustainable energy; she is a founding director of the Communities for Renewables initiative which aims to bring forward socially responsible business models and social investment for community energy projects, and has recently written national guidance for the Department of Energy and Climate Change on best practice community engagement, and securing community benefits from wind energy projects in England. Cheryl continues to be proactive on local planning and policy issues, leading a number of successful initiatives to improve policy and practice on the ground.

Cheryl began her career as the planning and environmental policy advisor at the South West Regional Assembly, where she was instrumental in setting up the REvision 2010 project to establish sub-regional renewable energy targets.

Cheryl holds a first class honours degree in Geography and Applied Economics, and an MSc in Sustainable Environmental Management. Cheryl was also a trustee of the Centre for Sustainable Energy, a national charity based in Bristol, from 2005-2011.

Renewable Heat ZONE

Don't miss the
Talks

An update on the domestic RHI

Applying for the RHI OFGEM

Certification update MCS

Patrick Allcorn, head of RHI household support, DECC

Patrick is head of RHI household support at DECC. He joined the team in early 2012 and is responsible for developing the policy, the public consultation leading to the policy Announcement on the Domestic RHI in Summer 2013. He also has responsibility for developing a marketing plan and engaging stakeholders for the whole RHI. Prior to this appointment he was responsible for aspects of community energy. He set up the LEAF project that enabled over 200 communities to set up local energy schemes in 2012. He also created Community Energy Online and ran engagement events for Plan LoCaL both of which aim to provide a framework for local renewable energy schemes to be owned by and benefit to the local communities. Before joining DECC, Patrick worked for Transport for London and the London Borough of Croydon as well as time working as a journalist and a sustainability consultant.

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About the zone



With the domestic Renewable Heat Incentive (RHI) set to launch before Easter, the Department of Energy and Climate Change (DECC) are embarking on a series of national roadshow events. This is to inform tens of thousands of businesses, installers and consumers across the length and breadth of Great Britain about how they can benefit from this scheme, which provides long term financial support for installing renewable heat.

DECC will showcase the domestic RHI scheme at Regen SW's Renewable Energy Marketplace, where they will be also be presenting how the domestic RHI and the Green Deal will work together to ensure that all participants will be able to benefit from having a smarter, warmer home. The Domestic RHI scheme is for homeowners, social and private landlords who install 'microgeneration' renewable heating systems in their homes in England, Wales and Scotland. Householders will receive quarterly payments (based on twenty years' worth of financial support) condensed into faster payback period of seven years of financial payments. New tariffs and technologies have also been announced for the non-domestic RHI, so DECC will also cover the opportunities on offer to commercial and public buildings at the event.

The non-domestic RHI scheme is aimed at industry, commercial, public sector and not-for-profit organisations which would receive regular financial payments as an incentive for installing renewable heat systems into their buildings. 'District heating' schemes where one boiler serves multiple homes can also apply to receive financial payments. Scheme applicants will receive quarterly payments for 20 years. For the first time ever every building in Great Britain will be able to take advantage of financial incentives to install renewable heat.

Farmer & Landowner ZONE

About the zone

Thousands of farmers and landowners in the south west have cut their energy costs and are earning a regular income from renewable energy. A recent survey showed that 95% of farmers are either already benefitting from renewable energy or are considering it. However, the range of options, supply chain businesses and the complexity of government subsidies can be confusing and make selecting the right scheme for you difficult. We also have specific exhibitors in this zone who are experienced in delivering renewable projects on farm.

Energy Farmers

Steve Edmunds, Mole Valley Farmers

Farm scale anaerobic digestion

Jonathan Scurlock, NFU

The impact of solar farms on livestock and food production – the right land management plan

Digby Summerhill, Lightsource Renewable Energy

Community or small scale fuel supply

Corinna Woodall, Tamar Valley AONB

Landowners and community networking

A case study of a landowner delivering renewable energy using different models

Ray Arrell, SWW

Renewable Heat projects – understanding Renewable Heat Incentive (RHI) opportunities on the farm

Tim Crook, Regen SW

Don't miss the
Talks

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Farmer & Landowner zone speakers



Steve Edmunds, director
Mole Valley Farmers

Managing a 200-head dairy herd in partnership with his brother and a director of the Mole Valley Farmers co-op, Steve describes himself as "the first of a new breed of energy farmers". Steve has installed 90kW of ground-mounted solar PV on the farm, which displaces 50% of imported power from the 200-cow dairy unit, three farm dwellings and a neighbouring poultry unit. His practical approach to farm engineering is now devoted to renewable energy on farms and he was the first person to receive planning for ground-mounted solar PV in the country - a system he built himself.



Digby Summerhill, development manager
Lightsource Renewable Energy

Digby has a wealth of experience in evaluating land for its potential to be developed into a solar farm and a deep understanding of landowners needs. Based at Lightsource's head office in London where he works closely with in-house planning and grid specialists, he is also out across the country every week evaluating sites in person and meeting with land owners.



Corinna Woodall, manager
Tamar Valley AONB

Corinna has been the manager of the Tamar Valley Area of Outstanding Natural Beauty (AONB) since May 2012. She has worked in nature and landscape conservation for over 25 years and prior to this was the manager of the North Wessex Downs AONB LEADER programme, delivering grants to rural businesses (including forestry and renewable heat) and communities.



Tim Crook, project manager
Regen SW

Tim is a project manager for Regen SW, and works to support the sustainable energy industry supply chain with particular focus on the technological aspects of project delivery. Tim comes from a background of engineering, having worked in the offshore marine renewables, building services and defence industries. Tim holds a masters degree in mechanical engineering.



Jonathan Scurlock, chief renewable energy advisor
National Farmers Union

As a senior adviser with the National Farmers' Union since 2007, Jonathan leads a small team on this topical subject area, providing analysis and advice to the NFU's senior management, office holders and members. Dr. Scurlock's background is in university and government research, covering energy and climate change policy, plant physiology, all kinds of biomass fuels, bio-based products and other renewable energy technologies. He has worked with regional and local government in north east England, was previously a scientist with the US Department of Energy in Tennessee, and is presently a visiting research fellow at the Open University. The author of more than 50 research papers and book chapters, he was educated at Oxford and London Universities. His international experience encompasses more than 30 countries.



Ray Arrell, renewable energy engineer
South West Water

Ray has worked in the South West Water Energy Team for 10 years, working in a variety of energy management roles within the business. As well as project managing a rollout of 1000+ smart electricity meters at unmanned sites and leading the company's energy efficiency campaign "PowerDown", Ray took up the role of renewable energy engineer in mid 2012. This role focuses on maximising the output of SWW's renewable energy fleet, as well as driving the company's renewable energy strategy forward, to source 20% of its energy needs from renewable sources by 2020.

South West Water is delighted to have been invited to sponsor the Landowner Zone at this year's Renewable Energy Marketplace exhibition. We have attended and exhibited at Regen SW's flagship event in previous years and we are privileged to be so positively involved in this year's exhibition.

As the south west region's water and sewerage service provider, SWW can count amongst its customers many of the attendees and speakers present at Renewable Energy Marketplace.

We operate around 1,800 operational sites in Devon, Cornwall and small areas of Somerset, we are also one of the region's largest energy users, consuming 250GWh per annum. We have been at the forefront of renewable energy generation in the South West for many years, currently operating a 9MW portfolio of hydro electric turbines, sewage gas CHP, small scale solar PV and a single 100kW wind turbine, collectively generating around 20GWh per annum.

As part of our business plan for 2015-2020, our aspirations are to source 20% of our energy needs from renewable sources by 2020, which will mean an increase in annual generation to 50GWh. We worked closely with RegenSW in the development our strategy to achieve this goal, through a mixture of new hydro, wind and solar capacity across the region, as well as the construction of our first advanced anaerobic digestion (AAD) plant, aiming to be online by 2017. A key priority for our renewable strategy is to engage and collaborate with local community groups, community developers and landowners across the region, with an aspiration to discuss the potential for 3rd party private wire connections to supply our operational sites.

Building & Construction ZONE

About the zone

Evidence is growing that the consumer market is looking for properties that save people money as well as providing high quality living environments. Understanding the technologies available to the retrofit sector and how buildings deal with heat loss and moisture movement has never been more important.

Thanks
to our
sponsors

ready for retrofit
warmer greener
homes

**energy
saving
trust**



Energy efficiency older buildings

Alastair Mumford, Regen SW

Heat pumps

Graham Hazell, Heat Pump Association

PV

Jonny Williams, BRE National Solar Centre

Current and future energy legislation in buildings

Dan Lash, CEE

Solar thermal

Andrew King, Energy Saving Trust

Don't miss the
Talks

Building & Construction zone speakers



Alastair Mumford, business support manager
Regen SW

Alastair has been working for over 10 years to grow the low carbon environmental goods and services sector in the south west. He is currently working for Regen SW on the Ready for Retrofit programme which is specifically aimed at the energy efficiency and microgeneration SME sector as a business support manager.



Jonny Williams, associate director
BRE National Solar Centre

Jonny is the BRE National Solar Centre project manager. Jonny has worked with a team at BRE to develop the National Solar Centre – this has included everything from the initial project concept through to opening the office in April 2013. Previously he was worked on a range of project includes wide scale retrofit programmes and advising organisations on the roll out of solar PV. Prior to working for BRE he worked for the construction company Laing O'Rourke on research projects.



Dan Lash, senior research fellow
Centre for Energy and Environment

Dan studied architecture at the University of Sheffield and now specialises in low energy building design, including natural ventilation, thermal performance and comfort, and maximising natural light. His expertise extends to design reviews, strategic planning, and area assessments for energy and emissions. He is also a CIBSE Low Carbon Energy assessor, accredited Passivhaus designer and a BREEAM schools assessor.



Andrew King, technical project manager
Energy Saving Trust

Andrew King has recently joined the Energy Saving Trust as technical manager. Andrew works within the technologies team where he develops and manages field trials in low carbon and renewable energy technologies. His current work includes field trials on far infrared heating and micro CHP systems. Andrew holds an MSc in advanced environmental and energy studies.



Graham Hazell, consultant
Heat Pumps Association

Graham graduated from Brunel University and has worked in the HVAC industry for over 28 years with experience in design and installation of systems up to several £ million. For some 16 years he has worked specifically in the field of heat pumps, air source & ground source, with additional experience in other renewable energy sources. Graham currently works as a freelance specialist consultant and as a consultant to the Heat Pump Association (HPA), the UK Trade Association for heat pump manufacturers and distributors, part of the Federation of Environmental Trade Associations (FETA). The HPA are active in all matters relating to heat pumps and are involved in consultations for the Building Regulations, UK & EU standards, MCS and Government incentive schemes (RHI, RHPP, ECA etc).



Arts & Communities ZONE

About the zone

Imaginative engagement programme

People want to engage in energy issues, but the way they do it needs to be interesting! Regen SW has programmed a number of inspiring people all using creative ways to engage people in the sustainable energy and climate change debate.

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Academy of
Champions
for Energy



Credibility and the new expertise:
when storytelling has an impact
Mike Wilson, Falmouth University

Encounters participatory arts
approach to social/ecological change
Ruth Ben-Tovim, Encounters

The power of the cultural voice;
how culture can inspire a low carbon future
David Buckland, Cape Farewell

Myth busting
Mike Birkin, Friends of the Earth

Environment, art and science
– inspiring engagement with creativity
Teenagh Cunningham, Baboró International Arts Festival for Children

Public art and the aesthetics of renewable energy
Robert Ferry & Elizabeth Monoian, Land Art Generator Initiative

The element in the room
Matt Harvey, Regen SW Poet in Residence

Energising culture, sustaining creativity
– experiences with the arts and music sector
Chris Johnson, Julie's Bicycle, Shambala Festival
and Powerful Thinking

Embedded action
Elizabeth-Jane Grose, Wadebridge
Renewable Energy Network (WREN)

Don't miss the
Talks

11:30 Credibility and the New Expertise: When Storytelling Has an Impact

Mike Wilson, Falmouth University



Mike Wilson is professor of drama and dean of research and the graduate school at Falmouth University. His research focuses primarily on storytelling and how it might be applied to a variety of social, economic and policy contexts, alongside how digital and web-based technology has transformed the way we share stories with new audiences and curate our lives.

This talk will focus on the work of Project ASPECT, a collaborative pilot research project with the Department of Energy and Climate Change and funded by the Arts and Humanities Research Council. Its aim was to explore how, by using storytelling to reframe the public debate around climate change, greater levels of participation could be encouraged. The project also challenged perceived notions of expertise, credibility and authority and indicated the way to a more open, non-hierarchical and democratic debate.

12:00 Encounters Participatory Arts approach to social/ecological change

Ruth Ben-Tovim, creative director, Encounter Arts



Ruth Ben-Tovim has worked as a professional artist and consultant for 20 years, using the transformational power of the arts to work creatively with thousands of people in the arts, public, private, education and voluntary sectors. In 2004 she co-founded Encounters a socially and ecologically engaged participatory arts initiative.

Drawing on examples from Encounters ten years practice of creatively engaging thousands of people from all walks of life in bringing about change in their communities, Ruth will share Encounters Key principles of creative community engagement. She will focus on creative projects and approaches that Encounters have delivered with Inter- generational communities across the UK that have raised awareness, dialogue and change around climate change, conflict, resources, inter-dependence, Ecological identity and responsibility

12:30 The power of the cultural voice; how culture can inspire a low carbon future

David Buckland, Cape Farewell



David is a renowned artist, filmmaker and designer who has exhibited worldwide and whose artworks/photographs feature in the collections of the National Portrait Gallery, the Centre Georges Pompidou, Paris and the Metropolitan Museum, New York. In 2001 Buckland created and now directs the Cape Farewell Project. The project engages scientists and artists to establish climate change as a cultural responsibility. David's talk will include one of his artworks called the Silver Bullet. The Silver Bullet is the physical form and a symbol of what

one tonne of CO2 emission should cost us.

He will discuss one of our new projects named 'Igniting an Energy Renaissance. Igniting an Energy Renaissance will invite designers and climate change scientist to investigate in the power of 'Clean Technology', and envision how this technological transformation will catalyse a renaissance towards a better, cleaner future.

David will explain a little about the exciting collaboration between the Tidal Lagoon Swansea Bay and Cape Farewell, and what it means to be the cultural partner of a large, innovative 'Clean Tech' concept.

And finally, he will bring all these topics back to Cape Farewell's bottom line; The power of the cultural voice. Culture can inspire a low carbon future because it communicates (on an emotional level and on a human scale) the urgency of the global climate challenge.

13:00 Myth busting

Mike Birkin, south west campaigns coordinator, Friends of the Earth



Mike has been an active member of Friends of the Earth for nearly 40 years and the representative of the organisation in south west England since 1990. His current post sees him frequently representing Friends of the Earth in media and other public fora across the south west, supporting local campaigning activities and participating in policy debates. Mike has a particular interest in renewable energy and is current joint lead for Friends of the Earth's work on wind power, marine and offshore renewable.

Explore popular myths surrounding wind and other renewable energy technologies and get advice on how to deal with them. This session will give you the chance to look at real issues being faced by community energy champions and find out what resources and help are available.

14:00 Environment, Art and Science – Inspiring engagement with creativity

Teenagh Cunningham, Baboró International Arts Festival for Children



Teenagh is the general manager of Baboró – Ireland's flagship international arts festival for children, with audiences of over 25,000 at an annual multi-arts festival held in Galway in October. Teenagh's experience in the creative industry spans over 20 years, and she has brokered many relationships in the industry over that time.

A look at the BEAST! (Baboró: Environment, Arts, Science and Technology) project after two years of engagement. Primary school students aged from 7 to 11 engage with scientists, artists and technologists. What impact has the engagement had on attitudes towards STEM subjects – for teachers and students. Researchers from the School of Political Science and Sociology at the National University of Ireland Galway organization are studying the impact of the BEAST! project on three groups of children in fulltime education. The third phase of the project is about to begin in schools, and the results of the first two years of engagement are contained in two reports – Magic can Happen and Captivating Children.

14:30 Public Art and the Aesthetics of Renewable Energy

Robert Ferry & Elizabeth Monoian, Land Art Generator Initiative



Robert Ferry is the co-founder of the Land Art Generator Initiative and Studied Impact. His architectural design is focused on net-positive environments that achieve complete harmony with their local and global environments and with the people who use them.

Elizabeth Monoian is the founding director of Society for Cultural Exchange, a non-profit organization under which she co-founded the Land Art Generator Initiative. She is committed to nurturing global intellectual and creative dialogue on issues surrounding environmental sustainability.

The Land Art Generator Initiative (LAGI) is aimed at advancing the popular acceptance of clean energy by integrating art and interdisciplinary creative processes into the conception of site-specific, solution-based public art interventions. The project encompasses the disciplines of art, architecture, urban planning, renewable energy science, and ecological conservation. By providing a platform for creative inquiry into the aesthetics of renewable energy LAGI seeks to create broader acceptance (positive emotional response) and versatility of clean energy generation systems that will lead to their greater proliferation into buildings and public spaces.

The talk will highlight the background of the Land Art Generator Initiative in the context of art history, urban planning, and the net-zero energy construction movement.

15:00 The Element in the Room

Matt Harvey, Regen SW poet in residence



Poems with introductory stories and chat in between.

Writer, poet, enemy of all that's difficult and upsetting, Matt's way with words has taken him from Totnes to the Wimbledon Tennis Championships via Saturday Live, the Edinburgh Festival and the Work section of the Guardian. He is host of Wondermentalist – Radio 4's comedy-infused, musically enhanced interactive poetry cabaret – and author of The Hole in the Sum of my Parts (Poetry Trust) and Where Earwigs Dare (Green Books).

15:30 Energising culture, sustaining creativity – Experiences with the arts and music sector

Chris Johnson, associate, Julie's Bicycle – Shambala Festival and Powerful Thinking



Chris is a committed and active advocate of sustainability in the UK events industry, with regular speaking engagements, contributions to industry initiatives, and is both a co-founder and Chair of the Powerful Thinking initiative with Julie's Bicycle. Chris Johnson is co-founder and a Director of Shambala Festival, and a director of Kambe Events Ltd, a sustainable events management consultancy.

Experiences gained in engaging with the arts and music sector on environmental sustainability. Creative responses from the arts and music sector in engaging with their audiences on environmental sustainability

16:00 Embedded Action

Elizabeth-Jane Grose, artist, Wadebridge Renewable Energy Network (WREN)



Investigating our relationship with a given place or environment in site specific public installations, Cornwall-based artist Elizabeth-Jane Grose has undertaken commissions nationally for local authorities, charities and the Environment Agency. Public engagement is integral to her practice. Since 2011 she has been a director of WREN, leading their development of events and arts-based activities. Over the past 2-3 years to artist Elizabeth-Jane Grose has been developing creative projects from within the Wadebridge Renewable Energy Network (WREN). Working with members of the WREN board and the wider community, and enabling the participation of other creative practitioners within the community, she has initiated a range of projects including exhibitions, the creation of a local currency, a workshop programme with one local school on energy-use reduction and a carnival float.

Tell your story at the Renewable Energy Marketplace

Encounters specialise in designing participatory arts projects & interventions that inspire creativity, dialogue & change between people of all ages & backgrounds. They have worked creatively with thousands of people in arts, environmental, community and regeneration contexts inviting people to re-look at who and how we are in the world at this time of crisis and opportunity and together to explore new more sustainable stories to live by on individual, local city wide and global levels.

At REM Encounters will be offering a place for people to share ideas and personal stories about our relationship to energy facilitated by Encounters Creative Director Ruth Ben-Tovim.

"Self-sufficiency and the power of dreams" is an interactive Art installation by Encounters associate Anna Keleher. Inside Place- dreamer pod's wood and aluminium hull is a cosy listening space for off-gird dreaming. Under its rear hatch is a collection of props to spark conversations around renewable energy and sustainable lifestyles.



Visual minutes

Each of the sessions in the imaginative engagement zone will be visually minuted (live!) Come and see how it's done and talk to the artists.



Kirsti Davies

A visual learner to the core, Kirsti has developed a style of minuting people's thoughts and events in a colourful and engaging way. Working mostly with environmental and community organisations, Kirsti helps to create an inclusive learning environment by finding creative methods of capturing and displaying information. She also has experience in communicating climate change to young people and is currently installing a giant edible tea party at Kew Gardens!

Arts and energy workshops – May and June 2014

A creative day for arts organisations and creative practitioners where you will explore your own relationship to energy, discover more about energy, community energy and renewable energy initiatives and have a chance to reflect on and vision how these relate to your life and work now and in the future?

To express an interest in being involved in these workshops, please email cuden@regensw.co.uk

CCANW

The Centre for Contemporary Art and the Natural World, is one of the UK's leading arts and ecology organisations. Its current programme Soil Culture is linked to the UN International Year of Soils 2015 and it is now developing a new programme with RegenSW on renewable energy and the arts. www.ccanw.co.uk

Order your copy of The Element in the Room

We are delighted that Matt Harvey is Regen SW's poet in residence! He is currently working with Regen SW and the sustainability sector to produce poems to engage and entertain people in the issues and perspectives around sustainable energy.

Regen SW will be producing an anthology of poetry as a result of this project which will be made available to anyone who would like a copy. The anthology will be published in Summer 2014. We hope it will be particularly useful for organisations who are involved in introducing energy to new audiences and customers

To request a copy – please visit the Regen SW Communities stand and sign up, or email Chloe Uden on cuden@regensw.co.uk

Regen SW research:

Regen SW is undertaking some research into the arts and energy space. We want to hear from people who are producing art work; involved in arts and energy project or just interested in knowing more. Please get in touch – cuden@regensw.co.uk

Regen Supporting Communities

Regen's Community Support Programme helps groups to think about and progress renewable energy projects in their area. We provide information, guides and tools to empower communities to help themselves, and run a Community Energy Group Network and Champions initiative to enable groups to share learning and campaign effectively in support of renewables. We also work to address issues that affect community energy, and raise awareness of the opportunities through the local and regional media.



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www.jinkosolar.com

Jobs at Regen SW

Regen SW wants to increase the number of people working in green energy jobs because we believe that a low-carbon economy will bring health, wealth and happiness to the region.



We do this by working with sustainable energy businesses to overcome barriers to their development and to make the most of the opportunities presented by changes in policy, legislation and attitudes.

Jobs in the sector within the south west numbered at around 7,000 in 2011 – a 40% increase on the previous year. That means that 15% of the 110,000 sustainable energy jobs in the country are in the area.

As part of our support for members, we are able to offer assistance with the recruitment of staff. By publicising vacancies on our website and through our bulletins and broadcasts, members can take advantage of the profile and industry focus that Regen SW membership affords.

In addition, Regen SW has negotiated discounted rates for our members at key recruitment sites, and we are able to offer members the benefits of recruiting via our extended network.

To help further this development we are always aiming to identify and provide opportunities for talented people to support our work and that of the sector. Regen SW is committed to equipping companies working in the field of sustainable energy to be able to make the most of the huge opportunities that the sector offers.

If you would like to advertise a job at Renewable Energy Marketplace, please email kjackson@regensw.co.uk

A quick guide to installing renewable energy

Step 1 Reduce your energy demand



Before installing any renewable energy project, it is advisable that you consider where you can reduce your energy demand through various energy efficiency measures, such as insulation, low energy light bulbs and energy efficient appliances. By doing this first, it could potentially reduce the size and cost of the renewable energy technology that you need.

Step 2 Knowing your energy consumption



If you are looking to meet some of your own energy demands, then you will also need to understand your annual need (including seasonal differences) for electricity and heating. Once this information has been deduced, you can start to narrow down the technologies and find the most appropriate for your project. The Energy Saving Trust offer an easy way to analyse your circumstances so that you can make the most informed decision:
www.energysavingtrust.org.uk/renewableselector/start

Step 3 Identify opportunities and constraints



When considering what renewable technology to install, it is important to identify all the opportunities and possible constraints for renewable energy systems on your site. In particular think about the renewable energy resource available e.g. wind, unshaded property, the characteristics of your particular site e.g. south facing, and the specific requirements of each renewable energy technology, e.g. ground available for ground source heat pumps. To help with this, a Micro generation Certification Scheme (MCS) accredited installer will be able to advise you about which technology or technologies are suitable for your particular circumstances

Step 4 Check for any planning issues



As with any building project, it is important to check with your local planning authority for any planning issues relating to your particular site. Regen SW recommend that planning permission is sought far in advance of any installation work, and should ideally form part of the selection process as it can severely hinder installations.

Step 5 Selecting the appropriate technologies



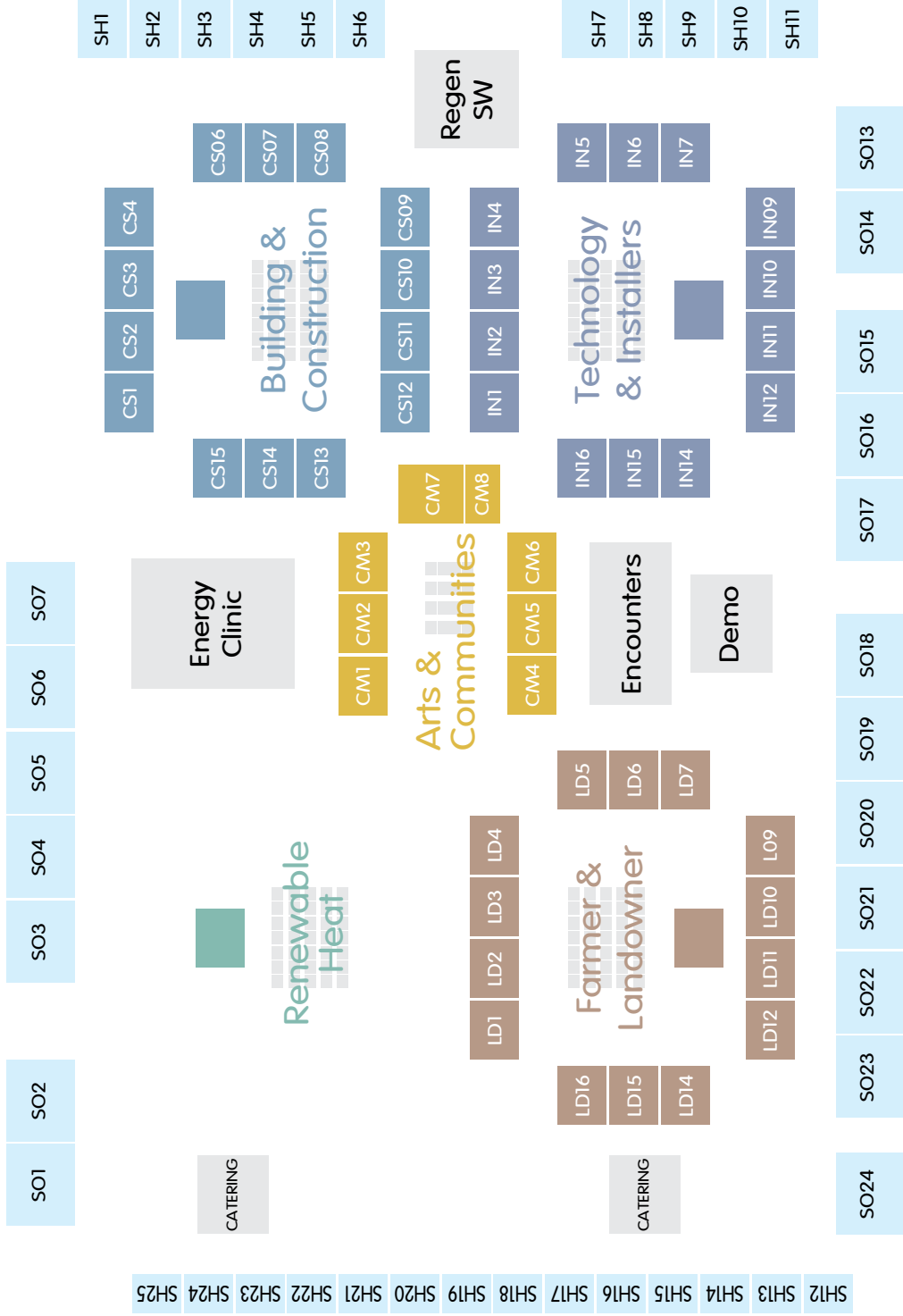
Having considered the previous steps, it would now be easier to make a fully informed decision regarding which technology is the best suited to your individual circumstances. Throughout today's event, there will be several workshops and seminars dedicated to providing you with the best advice and information that is available.

Step 6 Getting three installer quotes



Once the right renewable energy system has been identified, it is time to obtain three individual quotes from any MCS accredited installers. In order to be eligible for the Feed-in-Tariff or RHI it is essential that they use MCS certified products and they are a member of the REAL assurance scheme. You can find MCS certified installers near you at:
www.microgenerationcertification.org/consumers/installer-search

More Information – Domestic:
The Energy Saving Trust on 0300 123 1234 or visit
www.energysavingtrust.org.uk/Generating-energy



361 Energy	COMMUNITIES AREA	Green Acorn	LD16	SidEnergy	COMMUNITIES AREA
5D Group	SO20	ICE Renewables	SH18	SMA Solar UK	SH17
Aeolus Power (Wind Energy) Ltd	LD14	Inazin Power	SO4	SOL Electrical	IN4 & OUTSIDE
Air-Site	SH2	Infrared Technologies	SH6	Solar South West	SH12
Back to Earth	CS9	Insulated Homes	CS8	Solarlec	SH13
BMW (Westerly Exeter BMW)	OUTSIDE	JinkoSolar	CM7 & CM8	SolarSense	IN9
BRE National Solar Centre	IN3	Lexus (Snows Group Exeter)	OUTSIDE	Solvatec	IN11
Calista Group	IN2	Lightsource Renewable Energy	LD11 & LD12	Source Renewable	SO18
CBCS: Collaborate, Investigate, Generate	IN6	Mi-space (Midas Group)	CS14	South West Energy Centre	IN7
CNC Asset Ltd	SH21	MoleEnergy	SO15, SO16 & SO17	South West Lighting and Electrical	CS10
Common Sense (UK) Ltd	SH14	Mosscliff	LD1, LD2, LD3 & LD4	South West Water	LD15
Community Energy Plus	COMMUNITIES AREA	NAPT	IN7	Slo Ltd.	CS13
Cornwall Environmental Consultants (CEC)	SH22	National Energy Action (NEA)	SH19	SunEdison	SO5
CosyHome Company	IN10	New Energy Co-op (NEC)	IN12	SunGift	IN1, IN16 & OUTSIDE
Creda Nobo	SH7	Nomad LED	OUTSIDE	Torbay Development Agency (TDA)	SH1
Devonshire Windows	CS6	Nutshell Natural Paints	CS4	Tesla Motors	OUTSIDE
Dunster Heat Ltd	IN14	Optimum Heating	IN5	The CBCS Lounge	SH8, SH9 & SH10
EcoSoft Water Conditioner	CS15	Pegasus Group	SH16	The Resilience Centre	SO19
Ecolec Renewable Energy	SO13	Plymouth Energy Community	COMMUNITIES AREA	The Thermal Blind Co.	SH15
Energy Innovations	LD5	Pure Leap Frog	COMMUNITIES AREA	Timoleon	CS12
eViz: Energy Visualisation for Carbon Reduction	CM6	Regen Communities & Arts	CM4 & CM5	Toyota (Snows Group Exeter)	OUTSIDE
Exeter Community Energy	COMMUNITIES AREA	Renault (Vospers Plymouth)	OUTSIDE	Tresco	LD9 & LD10
Fair Energy	SO1 & SO2	RES (Devon)	SO14	U Need Energy	CS2
Forest Fuels	CS1	Research and Knowledge Transfer (RKT)	SH11	Vaillant Group	IN15
Forestry Commission – Biomass Energy Centre	SH3	ROKWOOD	LD6	Verdegree	SO6
Forgen Renewables	LD7	Santander	SO24	Warmer Services	CS7
Good Energy	CM1	Scottish and Southern Energy Power Distribution	SH25	Western Power Distribution	CM3
Granted Consultancy	SO3	SERS	CS11		

Green Deal


The UK officially has some of the oldest and least efficient housing stock in Europe, with the result being homes that are expensive to heat, have low levels of comfort and substantially contribute to our greenhouse gas emissions.

Nearly one quarter of the UK's annual final energy demand comes from providing energy for use in heating space and hot water in buildings. In answer to this, the government is committed to reducing our dependency on fossil fuels through its flagship scheme, the Green Deal.

The Green Deal is a government backed framework designed to enable organisations, known as Green Deal Providers, to offer consumers energy efficiency improvements to their homes and businesses at no up-front cost. Consumers will pay back the cost of such improvements through the resulting savings in their energy bills. Improvements can include energy efficiency measures, such as loft and cavity wall insulation, energy efficient glazing, innovative hot water systems, condensing boilers and controls and solid wall insulation.

Charges are attached to the electricity bill at the property and, unlike conventional loans, the charge is transferred to the new occupant should the original occupant move from the property. The period of the loan will vary dependent on the cost of the measure and the rate of saving, but could be up to 25 years.

At the heart of the Green Deal is the 'Golden Rule', which determines how much finance can be borrowed. The Golden Rule limits the amount of finance that a 'Provider' can attach to the electricity bill based on the estimated energy savings that are likely to result from the installation of energy efficiency measures. The Golden Rule is not a guarantee; however it provides a reasonable expectation to customers that their costs will not increase as a result of the Green Deal charge being added to their electricity bill.



Under Green Deal, an expected 14 million properties nationally will be looking to improve their energy efficiency. In the south west, this could mean over 1.1 million domestic and non-domestic buildings investing in energy efficient measures.

Electricity Market Reform (EMR)

The Energy Act received Royal Assent on 18 December 2013. The Act provides a legislative framework for attracting investment to replace current generating capacity and upgrade the grid through Electricity Market Reform (EMR).

It is worth noting that these reforms will only affect large scale projects of over 5 MW.

EMR will change the incentive structure for renewables from the Renewables Obligation (RO), which closes in 2017, to a feed-in tariff with Contracts for Difference (CfD), which will open to applications at the end of this year.

CfDs are long-term private law contracts between the generator and a government-owned CfD counterparty. CfDs are designed to guarantee fixed prices for low carbon energy to provide certainty for investors and developers.

Low carbon generators with a CfD will sell their electricity through the wholesale market. The counterparty will then pay the difference between the market price for electricity and the long-term price needed to bring forward investment in a given technology (the 'strike price').

The details of the allocation process are still being agreed, but it is likely that the more established technologies such as onshore wind and large scale solar PV will have to compete for CfDs through auctions.



In the conference there is a session to help you understand EMR for £45+VAT

If you would like to know more please go to:

www.regensw.co.uk/projects/building-renewables-in-the-sw/policy-and-planning/emr

The FIT scheme has undergone a number of significant changes since its launch on 1st April 2010. These changes have come into effect as part of the FIT Comprehensive Review run by DECC

The changes ran in three phases:

- **X Phase 1:** changes to small scale solar PV, which came into effect on 1 April 2012. The threshold at which the multi-installation tariff rates was increased from one to more than 25
- **X Phase 2A:** solar PV tariffs and a PV tariff degression mechanism, which came into effect on 1 August 2012
- **X Phase 2B:** tariff changes (including a significant decrease in support for small-scale wind) and a degression mechanism for non-PV technologies. Other changes included scheme administration issues, including a mechanism for preliminary accreditation for ROO-FIT accredited installations and new benefits for school and community PV installations. These changes came into effect on 1 December 2012.

Despite these changes, the FIT has been successful in stimulating huge interest in renewables and driving down costs of installations, with the south west being the leading region in the UK for deployment of Solar PV, with over 65,000 installations representing 565 MW of installed capacity.

The return on investment in solar power is still an attractive proposition for consumers and businesses alike. The Solar Trade Association (STA) calculates that solar power still produces a return on investment of over 9% and pays for itself within 10 years.

Tariff rates

The rate will increase in line with inflation in accordance with the Retail Price Index (RPI). The export tariff is currently 4.64 p/kWh for all technologies.

Solar PV

A degression mechanism has been in place for solar PV tariffs since 1 August 2012, whereby tariffs are set by Ofgem on a quarterly basis according to deployment in the previous quarter.

Listing of all Generation Tariff levels for the current period

Energy Source	Scale	Type/Rate	Tariff (p/kWh)	
			< 31/3/14	> 1/4/14
Anaerobic digestion	≤250kW		15.57	12.13
Anaerobic digestion	>250kW - 500kW		14.40	11.22
Anaerobic digestion	>500kW		9.49	9.24
Hydro	≤15 kW		22.23	20.57
Hydro	>15 - 100kW		20.76	19.20
Hydro	>100kW - 500kW		16.41	15.18
Hydro	>500kW - 2MW		12.82	11.86
Hydro	>2MW - 5MW		3.32	3.23
Micro-CHP	<2 kW	(limited)	11.65	13.24
Solar PV	≤4 kW	Higher rate	14.90	14.38
Solar PV	≤4 kW	Medium rate	13.41	12.94
Solar PV	>4 - 10kW	Higher rate	13.50	13.03
Solar PV	>4 - 10kW	Medium rate	12.15	11.73
Solar PV	>10 - 50kW	Higher rate	12.57	12.13
Solar PV	>10 - 50kW	Medium rate	11.31	10.92
Solar PV	>50 - 150kW	Higher rate	10.71	10.71
Solar PV	>50 - 150kW	Medium rate	9.64	9.64
Solar PV	>150 - 250kW	Higher rate	10.25	10.25
Solar PV	>150 - 250kW	Medium rate	9.22	9.22
Solar PV	≤250kW	Lower rate	6.61	6.61
Solar PV	>250kW - 5MW		6.61	6.61
Solar PV	≤5MW	Standalone	6.61	6.61
Wind	≤100kW		22.23	17.32
Wind	>100 - 500kW		18.53	14.43
Wind	>500kW - 1.5MW		10.05	7.83
Wind	>1.5MW - 5MW		4.26	3.32
Any	Existing systems transferred from RO		10.49	10.49

Renewable Heat Incentive (RHI)

The Renewable Heat Incentive (RHI) is a scheme that encourages homes and businesses to invest in renewable heat technologies such as biomass boilers, solar thermal panels and heat pumps.

The scheme pays a set amount for each eligible kWh of heat generated (p/kWh), although the exact tariff will depend on which type of technology is being installed. Many heating systems supported by the scheme will benefit from lower fuel costs and protection from oil/gas price volatility.

Nearly half of all the energy consumed in the UK is devoted to generating heat, and by helping consumers engage with renewable forms of heat, the countries' greenhouse gas emissions can be significantly reduced.

Domestic or non-domestic?

The world-first incentive has been split into domestic and a non-domestic schemes, with each stream offering different tariffs and different eligibility requirements. The non-domestic scheme has been running since November 2011 and the domestic version is due to launch this spring. Depending on what type of property you are heating, and what the property is used for will determine which scheme you could be supported under.

Especially beneficial to consumers that are off gas-grid and heating their homes and businesses with expensive fuels such as oil and LPG, the scheme offers index linked support for 20 years in the case of non-domestic and 7 years for domestic installations.

The government intends to finalise its plans to launch a domestic RHI scheme in spring 2014. The scheme will allow homeowners to replace current heating systems with the renewable heat technologies listed below and will also offer financial incentives to any consumers who installed these technologies since 15 July 2009.

All plant that is being installed as part of the domestic renewable heat incentive must be in accordance with the Microgeneration Certification Scheme. In addition, any system of less than 45kW in the non-domestic scheme must also be MCS accredited.

Technologies supported by domestic RHI:

- ▶ Biomass boilers and wood pellet stoves
- ▶ Ground source heat pumps
- ▶ Air source heat pumps
- ▶ Solar thermal collectors
(not combined solar PV and thermal collectors)

Technologies supported by non-domestic RHI:

- ▶ Biomass boilers
- ▶ Ground source heat pumps
- ▶ Water source heat pumps
- ▶ Deep geothermal heat pumps
- ▶ Solar thermal collectors
- ▶ Biomethane and biogas
- ▶ Air source heat pumps

Regen SW membership

Our members and local partners look to Regen SW to provide leadership and a strong voice for renewable energy and energy efficiency.

“I have found being a member of Regen SW an excellent way to network with other companies in the SW. The events I have attended on behalf of ENVIRON have been informative and topical. I have valued the proactive, enthusiastic and friendly approach by the Regen SW staff”

Jo Curran, manager, ENVIRON

As a member, you are part of a unique network of 260 leading companies and public sector organisations working together to drive forward the renewable energy agenda.

Championing

Making a passionate case with the media, policy makers and opinion formers for sustainable energy at the heart of a thriving low carbon economy a reception at the House of Commons showcasing the sector's achievements at the heart of government.

Informing

An expert team providing briefings and events on the policy issues driving your market regular visits from government ministers, officials and advisors to hear direct from businesses the potential of sustainable energy and the barriers they face.

To ensure you make the most of your membership contact Rachel Hayes, rhayes@regensw.co.uk, 01392 494399 or see www.regensw.co.uk/information/login-join-us

Collaborating

Bringing together members to tackle challenges like grid and planning enabling networking and business partnerships.

Showcasing

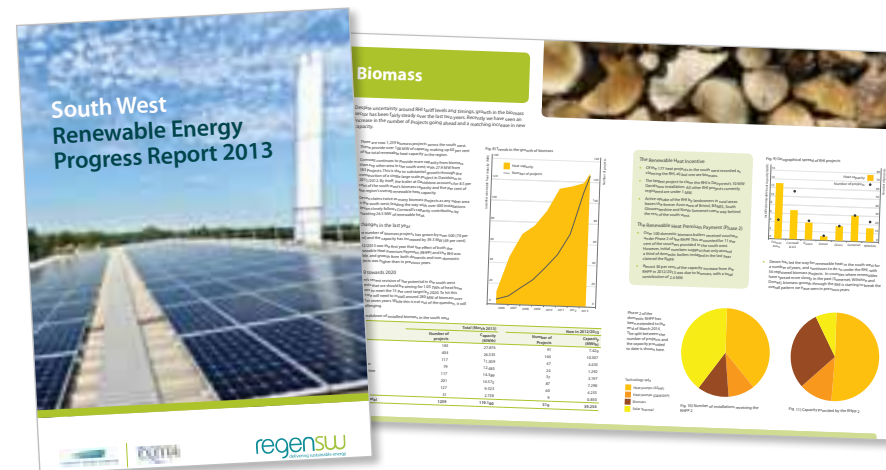
Leading events like Renewable Energy Marketplace and Renewable Futures where members can showcase their products and services on-line directory and publications featuring inspiring companies and achievements in the south west.

Recruitment

Assistance with recruitment, by publicising vacancies on our website and through our regular bulletins discounted rates for our members at key recruitment sites. To advertise your vacancies contact Katrina Jackson – kjackson@regensw.co.uk.

Annual progress report

Stand out as a leader in this growing industry with this sponsorship opportunity.



Last year Regen SW announced 1 GW of renewable energy capacity in the south west through our 2013 Progress Report. We are now in the midst of producing our 2014 Progress Report. This brings together information on all renewable energy projects within the south west, and looks at the impact of renewable energy policy and incentives.

It is used to demonstrate the growth of projects in the industry; it provides a snapshot of where we are and what is powering the renewable energy sector. The report is highly regarded amongst industry experts including media representatives, stakeholders, local authorities, commercial developers/installers, central government including DECC, and academic partners.

Previous sponsors of the progress report received:

- ▶ Their logo on the front cover of the report which is circulated to all 250 Regen SW members, national and local decision makers and the media. The report is widely used by the media in their reporting of renewable energy stories and is distributed at all of Regen SW's high profile meetings and events, including our House of Commons event and Renewable Futures.
- ▶ An article or case study within the report highlighting relevant information about the sponsor's work in the south west on renewable energy.
- ▶ Hard copies of the report for their own use.

If you are interested in sponsoring the progress report or other Regen initiatives, please contact Rachel Hayes, events manager at rhayes@regensw.co.uk.

Supporting communities

Our Community Support Programme brings together a network of over 180 community energy groups in the south west to enable locally appropriate, supported and commercially viable projects to succeed.



We support community energy groups to:

- upskill in sustainable energy and keep abreast of policy changes
- recruit volunteers and access additional resources
- identify appropriate projects to take forward
- identify suitable business models to deliver projects
- engage positively with and form partnerships with developers
- have a positive voice for renewable energy in the media
- influence policy makers in DECC and beyond

Community Energy Group Network

Our meets quarterly to discuss common challenges, share learning and influence policy.

➔ If you would like to find out more or join our network, please get in touch with Jodie:

01392 494 399

jgiles@regensw.co.uk

www.regensw.co.uk

 @RSWcommunities

Community Energy Champions

Our network of champions campaign to support community and renewable energy projects in the south west



Academy of
Champions
for Energy



Regen's work with communities is part funded by our European project ACE and supported by Action for Renewables

Advisory services

Regen SW advisory services provides bespoke advice and expertise to organisations looking for in-depth market insight and support in the sustainable energy sector.



Our bespoke services can be tailored to enable your organisation to capitalise on the growth of the sustainable energy, respond to policy changes and unlock market opportunities.

Advisory services include:

- Renewable energy strategy
- Resource and opportunity assessment
- Technology and market assessment
- In-depth policy insight
- Market entry and business development
- Economic development and investment
- Planning policy and stakeholder engagement

Regen SW work with:

- Public Sector, Local Authorities and Local Economic Partnerships
- Technology developers
- Project developers
- High growth businesses
- Universities and third sector



Ready for Retrofit

Regen SW's Ready for Retrofit programme is helping over 400 businesses to grow in one of the south west's most important sectors of domestic retrofit.

“The events put on have directly led to a number of important business contacts and leads that we are confident will come good, says Nick, ‘and the funding received resulted in our ability to expand our brand through our website and direct contact with customers.’”

Nick Denning, commercial director, Pink Heating

The programme is funded by the European Regional Development Fund and, in partnership with the Energy Saving Trust, is looking to support growth in small to medium sized enterprises working in the energy efficiency and renewables retrofit sector in the south west.

The retrofit of our residential building stock in the south west is an important activity towards reducing carbon emissions but also in terms of boosting economic growth. Our recent supply chain study estimates that the retrofit market comprises of 6,500 businesses, with a turnover of just under £1.1Bn and supporting 16,000 jobs.

Qualitative research in the same study indicates that the retrofit market for microrenewables (electricity and heat generating) is also more developed than any other UK region, driven by a high proportion of off-gas properties and a established, active supply chain.

The Ready for Retrofit programme supports businesses by providing market intelligence, guidance on legislation and funding for training, certification and other activities that will grow the business.

For more information contact Alastair Mumford on 01392 494399 or email amumford@regensw.co.uk. Come to visit us on stand CS2.

ready for retrofit
warmer greener
homes

energy
saving
trust

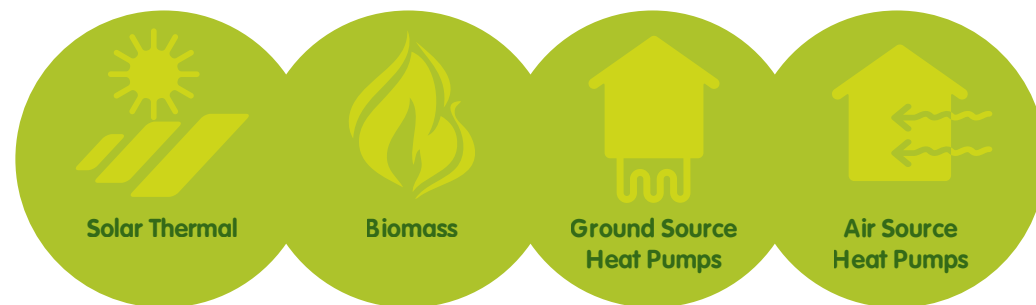
in partnership with
regensw
delivering sustainable energy



EUROPEAN UNION
Investing in Your Future
European Regional
Development Fund 2007-13

Renewable Heat at Work

An increasing number of homes and businesses across the region are benefitting from renewable forms of heat, lowering energy bills and reducing their carbon emissions.



The Renewable Heat at Work initiative, run by Regen SW and supported by Devon County Council and the Forestry commission, is a collaboration of renewable heat businesses and highlights the benefits of engaging with renewable heat and the capabilities of our local supply chain.

Heating is often a hidden technology, but under the Renewable Heat Incentive, the south west has more heating systems being supported than any other region. There are hundreds of biomass boilers, heat pumps and solar thermal arrays being installed and a highly capable and experienced

supply chain delivering renewable heat to homes and businesses.

The Renewable Heat at Work initiative provides an independent source of information on renewable heat and helps businesses share their expertise.

Find out more at: www.regensw.co.uk/projects/renewable-heat/rhw

regensw

Devon
County Council



Forestry Commission
England

Working with local authorities

Local authorities can play a vital role in maximising the opportunities that sustainable energy can bring to their area, by promoting an approach to development that builds local supply chains, creates high value jobs and delivers tangible benefits to local communities.

Regen SW takes a collaborative partnership approach to working with local authorities. We support local authorities on all aspects of sustainable energy from developing a project on the council's own estate to engaging local communities or driving inward investment in the sector.

By working with Regen SW, local authorities can share in our expertise, access our links to industry, gain in-depth insights into the sector and make use of our relationships with government to influence policy.

Support is offered through our Local Authority Membership packages, as well as through other partnership projects and agreements.

For more info contact
Hazel Williams:

hwilliams@regensw.co.uk
01392 494399
www.regensw.co.uk



Supported by the
 Regional Growth Fund

The South West Marine Energy Park's core objective is to accelerate the commercial deployment of marine energy technology, working to support the development of marine energy technology by removing barriers, promoting regional capability and attracting investment.

The South West MEP promotes the region at national and international conferences such as All Energy in Aberdeen and works closely with DECC, The Crown Estate and other regional bodies. The South West MEP marked its first anniversary in 2013 by signing an MoU to collaborate with Scotland's first Marine Energy Park – the Pentland Firth and Orkney Waters MEP. The South West MEP also signed an MoU with the Channel Islands Marine Renewable Energy Group (CIMREG) this year, providing an important link to this area of strong resource and expertise in marine renewable energy and financial services.

If you or your company want to learn more about the SWMEP or join the partnership please contact Johnny Gowdy jgowdy@regensw.co.uk

The south west was the first UK region to be designated as a Marine Energy Park (MEP). The South West MEP covers a geographical area from Bristol and the Severn Estuary around the coast of Cornwall to the Isle of Wight.

More information about the SWMEP can be found in its prospectus, available online at www.regensw.co.uk/projects/offshore-renewables/marine-energy-/marine-energy-parks

Looking ahead to 2020 the South West MEP will aim to:

- ▶ Ensure that R&D and test facilities such as Wave Hub and FaBTest are utilised
- ▶ Work with Local Enterprise Partnerships, City Deals and Local Authorities to secure additional investment in supply chain, skills, international markets and infrastructure
- ▶ Prioritise investment in grid and port infrastructure
- ▶ Support early project development which is likely to be at small scale
- ▶ Bring in additional finance and funding through regional and national grants, Green Investment Banks and the private sector
- ▶ Develop the Balanced Technology strategy to harness the energy potential of the Bristol Channel.

Who we are

The Centre for Business and Climate Solutions (CBCS) is a hub of expertise where specialists from the University of Exeter and its partners (Regen SW, the Met Office, Plymouth Marine Laboratory and IBM) collaborate with businesses across various sectors within the South West to help them mitigate and adapt to the changing environment.

The CBCS is part-funded by the European Regional Development Fund (ERDF) (2007 – 2013) under the South West Competitiveness Programme. The ERDF has invested money to help eligible businesses across the South West overcome the challenges arising from the projected future climate and gain a competitive advantage in doing so.

CBCS' specific aims are to help businesses across the South West region to:

- Develop expertise, products and services to adapt to and mitigate future climate change and extreme weather events
- Support carbon reduction targets and become more resilient
- Take advantage of the commercial opportunities from climate change

What we do

With access to leading internationally-renowned research and technology CBCS are able to offer eligible businesses 12 hours of complimentary support in the development of expertise, products and services. This can take various forms:

- Collaboration – with world leading experts to form a knowledge exchange partnership
- Investigation – of new approaches to research & design projects
- Generation – of new business opportunities

Who we have helped

Water Powered Technologies



As creators of the revolutionary Papa Pump, CBCS assisted Water Powered Technologies

Limited (WPTL) to develop new variants of the pump in order to grow into new markets. WPTL have also been able to take advantage of other consultancy and research avenues available at the University of Exeter to further develop their product.

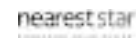
WITT Energy Solutions



Working closely with CBCS' partner, Plymouth Marine Laboratory, to test their device,

WITT were able to effectively evaluate and develop their product over a range of different maritime conditions. Since this, WITT have been awarded funding from the Technology Strategy Board to make further developments and take their product to market.

Nearest Star



CBCS were able to help with the development and verification of the company's

technology which enables self-builders, architects and building developers to transform their projects into up to 100% solar-powered, true zero carbon buildings. Using the climate modelling techniques available at the University, Nearest Star were able to successfully verify their technology and consequently launched their service in November 2012.



Meet the Experts in The CBCS Lounge – SH7 & SH8



Tony Norton (Head of Centre) 11.00–11.30 & 12.30–13.00

Tony Norton is the Head of the Centre for Energy and the Environment; he is a Chemical Engineer with a background in the international energy industry. His experience of the economic and commercial issues around energy provision is extensive and includes policy advice to government. Tony's work at the Centre includes the energy aspects of local planning and the development of CHP and heat networks.



Dan Lash (Senior Research Fellow) 11.30–12.00 & 13.00–13.30

Dan studied architecture at the University of Sheffield and now specialises in low energy building design, including natural ventilation, thermal performance and comfort, and maximising natural light. His expertise extends to design reviews, strategic planning, and area assessments for energy and emissions. He is also a CIBSE Low Carbon Energy assessor, accredited Passivhaus designer and a BREEAM schools assessor.



Andrew Rowson (Research Fellow) 12.00–12.30 & 13.30–14.00

Andrew is an engineering mathematician with a background in construction, engineering and computer modelling. He currently specialises in renewable energy technologies and policy. He was project coordinator for the IEE funded project FOREST which supported biomass heating through the adoption of best practice and deeper supply chain integration.

How we can help you

If you would like to benefit from 12 hours of complimentary consultancy for your projects or get involved with our future events, please contact Lucy Hawkins.

- Tel: 01392 72 40 67
- Email: l.hawkins@exeter.ac.uk
- Twitter: [@climateassist](https://twitter.com/climateassist)



Confused? Need help?

- Don't know which renewable energy is right for you?
- Not sure if you're eligible for the Feed-in Tariff?
- Don't understand the Renewable Heat Incentive?

Find independent information & expert advice at
www.yougen.co.uk



e: info@southernwindpower.co.uk t: 01884 260159

Wind Turbines

10kW to 500kW

"The process has been managed to perfection, we couldn't have asked for anymore"

MC, Endurance E-3120, Devon



www.southernwindpower.co.uk



Energy Despite Shadow

Arrival of New *Smart Module*

Shadow, orientation, cloudy, any obstacles used to restrict your roof ideal for solar is a thing of the past... JinkoSolar's innovative Smart Module will increase electricity generation up to 20% under these conditions and make every roof perfect to utilize solar. Choose JinkoSolar, choose the best performance and financial benefits of solar energy.

www.jinkosolar.com



Jinko
Solving Your Need for Solar

FootAnstey®

Actions speak louder.

EXCEPTIONAL PERFORMANCE

A genuinely 360° legal service for operators, developers, funders and communities for all renewable energy projects. We'll get you connected.



WWW.FOOTANSTEY.COM

361 Energy

COMMUNITIES AREA

www.361energy.org

361 Energy is a social enterprise which promotes energy saving and renewable energy. 361 Energy have a team of domestic energy assessors and are running an EU funded project advising 40 north Devon households on how to reduce their energy bills. 361 Energy have also set up buyers clubs offering discounted products to the public.



5D Group

SO20

www.5dgroup.co.uk

5D believe the success of their installations is due to the time that they invest in understanding your requirements. Their design expertise ensures you receive the best possible advice before embarking on any renewable project. Being truly independent of any manufacturer allows 5D Group the freedom to choose the most suitable solution.



Aeolus Power (Wind Energy) Ltd

LD14

www.aeoluspower-windenergy.co.uk

Aeolus Power (Wind Energy) is an approved distributor and installer of Endurance Wind Power turbines and offer complete ownership, as well as a range of part-ownership opportunities and land leasing options. Aeolus Power is an approved wind energy supplier for the NFU Farm Energy Service and has a comprehensive range of biomass boilers for straw, wood and pellets.



Air-Site

SH2

www.air-site.com

Air-Site is the solutions supplier company, providing extensive power savings in the area of data room cooling, ventilation and company operations. Always evolving, Air-site has been perfecting their portfolio of reliable green products for over 20 years.



Back to Earth

CS9

www.backtoearth.co.uk

Back to Earth help build better, healthier and more comfortable buildings. They supply a range of sustainable building materials tailored to meet the requirements of modern, high performance construction enabling you to achieve the highest construction standards and striking designs, whilst minimising impact on the environment.



BMW (Westerly Exeter BMW)

OUTSIDE

www.westerlyexeterbmw.co.uk

Westerly Exeter is an authorised BMW i dealer providing full sales and services for the BMW i3 and BMW i3 REX as well as the soon to arrive BMW i8. All of the 5 Westerly dealerships can support the BMW i range with Westerly Exeter acting as the main showroom and sales agent.



BRE National Solar Centre

IN3

www.bre.co.uk

The BRE National Solar Centre, located at the Eden Project in Cornwall, provides independent information to support the UK solar industries to innovate, grow and thrive. The centre undertakes a range of research and consultancy to support the UK solar industry. Activities include outdoor testing of panels, producing technical guidance and research with strategic partners.



Calista Group

IN2

www.calistagroup.co.uk

The Calista Group pride themselves on providing a consultative approach to energy saving measures. Calista Group provides external wall, internal wall, loft and cavity insulation to provide warmer homes and businesses. Calista Group also install solar PV, solar thermal, thermodynamics, biomass, air and ground source heating along with gas boiler installations to help their customer generate and reduce fuel consumption.



CBCS: Collaborate, Investigate, Generate

IN6

emps.exeter.ac.uk

CBCS is able to offer support for business' research and development projects. CBCS has invited a few of these businesses to exhibit their ground-breaking products, services and technologies. Come along and learn how your business can benefit from the complimentary consultancy on offer for your projects.



CNC Asset Ltd

SH21

www.cncassetmanagement.co.uk

CNC Asset is an established engineering based provider of insurance, extended warranty and finance offering innovative solutions for the renewables sector. Insurance, asset and project finance products are available for wind, biomass, AD and GSHP. Extended warranty and income protection available on most machinery.



Common Sense (UK) Ltd

SH14

www.common senseuk.co.uk

Common Sense Solatubes light up dark interiors with incredibly bright daylight piped down a Solatube sunpipe. Common Sense Solatubes transform dark buildings in to light, bright spaces. Ideal for both commercial and residential properties, Solatubes are the modern, efficient and affordable way to enjoy daylight indoors. CommonSense is the authorised distributor and installer for the south west.



Community Energy Plus

COMMUNITIES AREA

www.cep.org.uk

Community Energy Plus is an award-winning social enterprise that provides complete energy answers to help homeowners in Cornwall enjoy warmer, energy efficient homes as part of a more sustainable future. Community Energy Plus work in partnership with public, private and third sector organisations to support a variety of innovative projects including community ownership models.



Cornwall Environmental Consultants (CEC)

SH22

www.cecenvironment.co.uk

CEC provide professional services to the renewables sector in landscape architecture and ecology. CEC undertakes landscape and visual impact assessments and ecological impact assessments, such as habitat and protected species surveys, to minimise or avoid adverse effects on the natural environment and advises on innovative solutions to reduce the ecological footprint of proposals.



CosyHome Company

IN10

www.cosyhomecompany.co.uk

CosyHome is an award-winning company that provides comprehensive insulation and a unique, virtually invisible secondary glazing system. They are specialists in period, heritage and listed buildings, and properties over 100 years old. Services include sheep wool loft insulation, bespoke draught proofing, loft flooring, thermal laminate boarding, radiator enhancers and related restoration.



Creda Nobo

SH7

www.credaheating.co.uk

For over 40 years Creda Heating has been dedicated to heating the nation by being at the forefront of new developments. 2013 heralded the launch of Quantum, a new heating system which is up to 27% cheaper to run and uses up to 22% less energy than comparable static storage heaters.



Devonshire Windows

CS6

www.devonshirewindows.co.uk

Devonshire Windows, a local family run business based in Paignton for over 25 years, supply and install energy saving windows and doors in PVC, aluminium and timber. Their brands include Sunflex, Rationel, Swish and Smart systems.



Dunster Heat Ltd

IN14

www.dunsterheatltd.co.uk

Based in the south west, Dunster Heat is a nationwide supplier of wood burning boilers and accumulators, which can be combined to form an efficient central heating system. Dunster Heat has solutions for the small and large family homes, housing and industrial complexes, B&B's and hotels.



EcoSoft Water Conditioner

CS15

www.threesixtyplumbing.co.uk

The EcoSoft Water Conditioner is an environmentally friendly, total solution to hard water problems; preventing lime-scale accumulation, removing existing lime-scale and softening. It protects your systems and equipment, saves energy and reduces maintenance time. No chemicals, no electricity, no maintenance, 30 proven years and 100% lifetime warranty.



Ecotec Renewable Energy

SO13

www.ecotec-heatpumps.com

Ecotec Renewable Energy Ltd offer a complete renewable package: Heat pumps, MCS, accredited underfloor heating, smart rads, hot water cylinders, solar PV, solar thermal and a range of wind turbines. Showroom open to trade and public, working with local plumbers, builders offering assistance with design and consultancy through installation and commissioning.



Energy Innovations

LD5

www.energyinnovationsuk.com

Established in 2006, Energy Innovations are biomass specialists with over 200 installations completed across the UK. Energy Innovations supply and install high quality Gilles and Weiss boilers and Isoplus insulated heating mains. From small domestic to large industrial boilers Energy Innovations offer expert advice and full design / installation package. Dorset office now open!



eViz: Energy Visualisation for Carbon Reduction

CM6

www.eviz.org.uk

eViz brings together researchers from psychology, building engineering, computer science and data visualisation to reduce energy demand in buildings by transforming people's understanding and behaviour through novel energy visualisations. Research is carried out by Plymouth University, Newcastle University, University of Bath and University of Birmingham.



Exeter Community Energy

COMMUNITIES AREA

www.ecoe.org.uk

Exeter Community Energy is a social enterprise setting-up community-owned renewable energy projects whose income is reinvested in further energy projects and a community fund. Their vision is that these projects create practical sustainable change that benefits Exeter, its people and the environment by addressing challenges of rising energy costs, fuel poverty, reliance on fossil fuels and climate change.



Fair Energy

SO1 & SO2

www.fairenergy.org.uk

Fair Energy is a leading renewable heating installer in the South West. Fair Energy offer a full design, installation and maintenance solution, with a team of technical, mechanical and engineering specialists managing your installation from site survey and design through to boiler service and maintenance. Fair Energy specialise in biomass and solar thermal technologies.



Forest Fuels

CS1

www.forestfuels.co.uk

Forest Fuels is the UK's leading premium, quality assured supplier of wood chip and wood pellet fuel for biomass heating systems, alongside providing sound advice and consultancy on all aspects of wood fuel. Forest Fuel's network of nationwide depots, ensures a consistent supply, with a track record dating back to 2006.



Forestry Commission – Biomass Energy Centre

SH3

www.biomassenergycentre.org.uk

The Forestry Commission Biomass Energy Centre is a technical information centre based within Forest Research, the research agency of the Forestry Commission. We supply impartial information on biomass system installation, fuel production, handling and supply chains.



Forgen Renewables

LD7

www.forgenrenewables.com

Forgen Renewables offer a complete one stop shop for all your off grid lower power requirements including off grid solar and micro scale wind turbines. Forgen now also offer MCS wind turbine installations. The company has successfully launched its own solar LED street and site lighting range which has been proven to operate through consecutive UK winters.



Good Energy

CMI

www.goodenergy.co.uk

Good Energy, the Wiltshire-based renewable electricity supplier, was founded 15 years ago and now has over 40,000 electricity customers. The company owns the UK's first commercial wind farm at Delabole in Cornwall, has a growing solar portfolio and currently sources around a third of its electricity from the south west.



Granted Consultancy

SO3

www.grantedltd.co.uk

Granted Consultancy is all about making projects happen. That could be renewable energy installations, capital builds, bringing new technologies to market or achieving cost and carbon saving targets. Granted Consultancy has a dedicated team who are always keen to engage with new public, private and third sector organisations that need impartial advice or funding to realise sustainable projects.



Green Acorn

LD16

www.greenacorn.gg

Green Acorn offer a range of energy storage and power back up systems including vanadium redox flow batteries - maximising the benefits of renewable generation installations, hydrogen fuel cells and electrolyzers supporting off-grid power supply, and smart distribution controllers. Each system is designed with the client to provide installations to suit generation and usage requirements.



ICE Renewables

SH18

www.icerenewables.com

ICE Renewables are wind turbine specialists who offer an operations and maintenance service and who sell wind turbines from 50kW to 2.6MW. They supply a complete wind solution from feasibility, planning, design, construction, operations and maintenance and can help source leasing options and finance deals.



Inazin Power

SO4

www.inazin.com

Inazin Power is a renewable energy developer specialising in large-scale solar farms and wind projects. They have consented, funded and built in excess of 100MW of solar energy, with nearly 100MW close to build. Inazin Power's wind team currently has 150MW of power in varying stages of development.



Infrared Technologies

SH6

www.infraredtechnologies.co.uk

Eco Infrared Technologies specialise in infrared heating technologies and offers various infrared heating solutions for domestic, residential, commercial and industrial objects, helping you to save money. Using infrared heating products, users can save up to 50% on energy costs. Infrared heating products use aerospace-quality materials and meet ecological standards, so they do not emit harmful electromagnetic radiation.



Insulated Homes

CS8

www.insulatedhomes.net

With over a decade of experience in the application of external wall insulation, the management and staff at Insulated Homes Ltd offer a wealth of knowledge and experience. They will be demonstrating the new Neopor insulation panel which is the next generation in insulation. It provides a 21% greater thermal efficiency over standard EPS.



JinkoSolar

CM7 & CM8

www.jinkosolar.com

JinkoSolar Holding Co., Ltd. is one of the few PV manufacturers that has 1.5 GW capacity in 2013 with a vertically integrated model, producing high quality crystalline ingots, wafers, cells, and mono- and multi- crystalline PV panels. Their full control over the production chain allows them to guarantee the highest quality for our products and a much more efficient cost structure.



Lexus (Snows Group Exeter)

OUTSIDE

www.snowsgroup.co.uk/lexus

Snows Toyota and Lexus form the largest segment of the family run Snows Motor Group. Toyota and Lexus were the first in the world to develop hybrid technology, and all of Snows 9 manufacturer approved dealerships provide full sales and service for the entire hybrid range from both of the marques.



Lightsource Renewable Energy

LD11 & LD12

www.lightsource-re.co.uk

Lightsource Renewable Energy Limited is the UK's leading solar energy generator operating the largest portfolio of commercial scale solar PV installations on land and roof space in Britain. Founded in 2010, the company's in-house team of over 200 professionals have achieved an unrivalled track record in expertise and deployment of solar farms and commercial rooftop solar installations across the UK.



Mi-space (Midas Group)

CS14

www.mi-spaceuk.com

Part of the Midas Group, one of the largest independent UK property services providers, Midas Energy has developed a 5 step journey that takes a strategic approach to your assets and how they can be best used to reduce your energy cost, your carbon emissions and also generate revenue.



MoleEnergy

SO15, SO16 & SO17

www.moleenergy.com

Moleenergy is a dedicated renewable energy sector of Mole Valley Farmers, set up to offer their members genuine, impartial advice. With the correct guidance there is potential to, not only, significantly reduce your business costs but to even earn from the "electricity you produce and/or the heat that you use".



Mosscliff

LD1, LD2, LD3 & LD4

www.mosscliff.co.uk

Mosscliff are independent and have been in the renewables industry for almost 10 years, Mosscliff Environmental Ltd take on the entire process from grid feasibility studies and planning permission, installation, energy brokering and physical asset management. Mosscliff offer all scales of solar PV & wind turbines, biomass boilers and anaerobic digesters [8kW to 65kW]. April 2014 will see their 400th turbine installation.



NAPIT

IN7

www.napit.org.uk

NAPIT provides membership and training for installers of renewable technologies, energy efficiency measures, electrical works, heating, plumbing, air conditioning and ventilation. Find out how NAPIT membership could save you money with benefits including; training discounts, free technical support, savings on tools and equipment, and much more. Visit NAPIT at the Renewable Energy Marketplace and save £100 on membership.



National Energy Action (NEA)

SH19

www.nea.org.uk

NEA is a major national charity whose work to improve and promote energy efficiency brings social, environmental, housing and employment benefits. Working in partnership with central and local government, fuel utilities, housing providers, consumer groups and voluntary organisations, NEA aim to eradicate fuel poverty and campaigns for greater investment in energy efficiency.



New Energy Co-op (NEC)

IN12

www.newenergyco-op.com

A national group of experienced, qualified, independent MCS registered installation companies, electricians and plumbers working together to bring value to local clients in the energy production and energy saving environment. The NEC continually strive to find innovative products and services that are designed to be cost effective and add real quantifiable value to our customers.



Nomad LED

OUTSIDE

www.nomad-led.co.uk

Nomad LED make high-impact mobile digital advertising affordable to mainstream companies and organisations. They are the first company to bring electric-powered digital advans and adscooters to the UK. The large, crystal-clear, digital screens are impossible to miss at a distance yet stay sharp at close range, perfect for both mobile and static campaigns.



Nutshell Natural Paints

CS4

www.nutshellpaints.co.uk

Nutshell Natural Paints offer a healthy alternative to conventional products. The emulsions are allergen free with no toxic fumes and are completely free of vinyl resins and harmful petrochemical solvents. The Nutshell range includes emulsions for interior and exterior use, various wood finishes including aqua undercoat, gloss, satin, varnish stains, oils and waxes. Nutshell Natural Paint's new thermo paints also insulate.



Optimum Heating

IN5

www.optimumheating.co.uk

Optimum Heating is the official UK south distributors for the leading Austrian biomass boiler manufacturers KWB. Optimum Heating are looking for customers and installers who wish to install this premium brand. The Good Fuel Company supplies bulk, bagged pellets and a range of other biofuels across the SW region.



Pegasus Group

SH16

www.pegasuspgrp.co.uk

Pegasus Group provides planning, landscape design and environmental advice on all kinds of renewable energy schemes ranging from on-shore and off-shore wind farms to biomass power plants, solar parks and anaerobic digestion schemes. By employing specialists Pegasus Group can ensure optimal results and outstanding service.



Plymouth Energy Community

COMMUNITIES AREA

www.plymouthenergycommunity.com

Plymouth Energy Community is a resident co-operative seeking to address rising energy bills and carbon emissions by offering a range of services, including Plymouth's first solar share offer. It's run by the community, for the community; giving residents the power to change how their energy is brought, used and generated.



Pure Leap Frog

COMMUNITIES AREA

www.pureleapfrog.org

Pure Leapfrog is the leading provider of social investment and professional support to community energy projects in the UK. Pure Leap Frog are a business led charity that works in partnership with government, investors and communities. Their mission is to ensure that community energy becomes a significant part of the sustainable energy mix in the UK.



Regen Communities & Arts

CM4 & CM5

www.regensw.co.uk/communities

Regen's Community Support Programme helps groups to progress renewable energy projects in their area. The Community Support Programme provides information, guides and tools to empower communities to help themselves, and run a Community Energy Group Network and Champions initiative to enable groups to share learning and campaign effectively.



Renault (Vospers Plymouth)

OUTSIDE

www.vospers.com

Discover the benefits of the Renault Z.E. range with Vospers. Vospers, the official Renault dealership located in Plymouth, will be showcasing the ZE range at Westpoint. Their passionate sales team, combined with the skills of their trained technicians, ensure that an expert service is provided for all of their customers.



RES (Devon)

SO14

www.res-devon.co.uk

RES (Devon) Ltd provide environmentally friendly solutions for heating, ventilation, air conditioning and energy generation within both the domestic and commercial markets. We offer practical solutions that integrate renewable and conventional technologies in order to offer excellent energy efficiency and low carbon emissions that tackle today's energy issues.



Research and Knowledge Transfer (RKT)

SH11

www.exeter.ac.uk/research/rkt

Research and Knowledge Transfer (RKT) provide professional support for researchers on a number of fronts; funding support, bid development, business and commercialisation schemes, project management, networks and events. RKT also manage the University's overarching research strategy.



ROKWOOD

LD6

www.dorsetcountycouncil.com

ROKWOOD is transnational co-operation project aiming to create the right market conditions and improve the policy framework for the increased planting of woody energy crops such as willow coppice. The UK project partners are Crops for Energy Ltd, the Centre for Sustainable Energy and Dorset County Council.



Santander

SO24

www.santander.co.uk

Santander's dedicated and expert renewable energy specialists have provided project finance debt for onshore wind farms and ground solar parks since 2004. They provide specialist financing and treasury solutions for development requirements ranging from £3 million to £25 million for UK based projects.



Scottish and Southern Energy Power Distribution

SH25

www.ssepd.co.uk

Scottish and Southern Energy Power Distribution is responsible for maintaining the electricity networks supplying over 3.7 million homes and businesses across central southern England the north of Scotland. Their first priority is to provide a safe and reliable supply of electricity to the communities they serve in Scotland and England.



SERS

CS11

www.sersltd.co.uk

SERS are experts in the design, supply and installation of energy saving solutions. One of the country's leading specialists in external wall insulation for over 20 years, SERS advise on and install internal wall insulation, conventional heating systems and a range of renewable technologies for homes and businesses across the UK.



www.sidenergy.co.uk

SidEnergy is the Sid Valley's community energy cooperative. Registered as an Industrial and Provident Society, it's designed to make economic, social and environmental sense. SidEnergy seeks to save and generate local renewable energy, provide benefits to the community through a community fund, and engage the entire local population.



www.sma-uk.com

SMA Solar UK are the global market leader in solar inverters and an energy management group that offers innovative key technologies for future power supply systems. With inverters manufactured at the only ISO14064-1 verified zero carbon scope 2 manufacturing plant, SMA will be showcasing innovative solutions for a range of PV applications.



www.solelectrical.com

Sol Electrical aim to provide 100% customer satisfaction by valuing not only the quality and standard of the installation but also the courtesy with which it is carried out. The business supports an efficient, clean energy future; Sol Electrical currently offer free EV charge point installation to domestic and commercial customers throughout Devon and Somerset.



www.solarsouthwest.co.uk

Commercial solar in the south west. Based in Somerset, Solar South West is one of the largest independent PV contractors in the UK and provides a professional turn key commercial solar installation, monitoring and maintenance service for investors and clients.



www.solarlec.com

Solarlec is one of the UK's leading companies specialising in solar PV. Solarlec tailor fit their products and services to meet the individual needs of their customers and offer a free Business Energy Assessment, quote and proposal service. This will provide customers with any information required, including the savings and benefits a PV system will produce.



www.solarsense-uk.com

Solarsense are the south west's renewable energy specialists. With over 20 years' experience Solarsense have helped more than 10,000 homes and businesses take control of their energy with renewable technologies. As previous winners of Regen SW Installer of the year and REA Company of the Year you can be assured of trusted advice and a reliable installation.



www.solvatec.ch

Solvatec was established in 1998, the company is a leading provider of systems, components, technical support and consultancy in building integrated and large scale PV roof projects. Solvatec provides house builders, building owners, architects, and developers with the security and cost benefits of renowned Swiss quality, design and expert knowledge.



www.sourcerenewable.com

Solar PV and biomass specialists providing a complete service from site survey, system design and specification through to installation and commissioning. Source Renewable control the process from end to end so they can guarantee the quality of materials, engineering and workmanship therefore maximising performance of your investment.

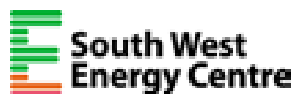


South West Energy Centre

IN7

www.southdevon.ac.uk

The South West Energy Centre is passionate about supporting businesses and local communities. The Energy Centre pride themselves on providing solution based opportunities through training and support. The Energy Centre delivers awareness on the latest renewable technologies and is able to provide R&D facilities for the development of existing or new products.



South West Lighting and Electrical

CS10

South West Lighting and Electrical Ltd is a rapidly expanding energy saving lamp and lighting supplier. With twenty years experience, South West Lighting and Electrical Ltd design and supply innovative LED lighting solutions to both industrial and domestic applications. You can save up to 85% off your electric bills.



South West Water

LD15

www.southwestwater.co.uk

South West Water operate around 1,800 operational sites as the region's water and sewerage service provider. South West Water are one of the region's largest energy users, consuming 250GWh per annum and 20GWh of this is currently sourced from renewables. South West Water plan to increase this to 50GWh (20%) by 2020.



Sto Ltd

CS13

www.sto.co.uk

Sto designs and manufactures high quality external wall insulation and glass rainscreen cladding systems in the industry. A global leader for over 60 years, Sto is renowned for technological leadership, innovation, quality, sustainability and support. The industry's quality benchmark, Sto's systems hold both UK and European technical approvals.



SunEdison

SO5

www.sunedison.com

SunEdison is a trusted partner for innovative, intelligent energy solutions around the globe. Through their integrated service approach, SunEdison partner with you, help you navigate your way through the solar landscape and offer uniquely tailored solutions and flexible financing from some of the world's largest solar deployments to our residential customers' rooftops.



SunGift

IN1, IN16 & OUTSIDE

www.sungiftsolar.co.uk

SunGift are award-winning experts in the design and installation of bespoke renewable energy systems for both commercial and domestic customers. We are committed to delivering every part of your project to the highest possible standard, ensuring that every SunGift system continues to excel throughout its working life.



Torbay Development Agency (TDA)

SH1

www.torbaydevelopmentagency.co.uk

South West Business Centre is a division of the TDA, which operates work hubs, desking, office space, light industrial parks and grow on space throughout the South West. We support businesses with 1-2-1 advice and networking events including those at the Innovation Suite in the South West Energy Centre.



Tesla Motors

OUTSIDE

www.teslamotors.com

Tesla's goal is to accelerate the world's transition to electric mobility. California-based Tesla designs and manufactures electric vehicles. The Model S - the first premium executive saloon to be built from the ground up as an EV - will be arriving in the UK mid 2014. Find Tesla's Model S at the Renewable Energy Marketplace outside in the Green Car Zone.



The CBCS Lounge

SH8, SH9 & SH10

emps.exeter.ac.uk

CBCS draws on the expertise and world-leading research from specialists within the College of Engineering, Mathematics and Physical Sciences. CBCS is part-funded by the European Regional Development Fund (2007 -2013) under the South West Competitiveness Programme. Mini knowledge exchange workshops, hosted by CBCS, will take place at REM to exemplify the exciting research that is undertaken at the University.



The Resilience Centre

SO19

www.theresiliencecentre.co.uk

The Resilience Centre assist landowners, communities, businesses, and others by delivering practical, economic, sustainable solutions to increase resilience to the effects of climate change and resource depletion. Their award winning approach to renewable energy provides sector leading benefits for landowners and communities through joint ownership and crowd funding. Follow @ResilientEnergy.



The Thermal Blind Co.

SH15

www.thermalblind.co.uk

The Thermal Blind Company makes traditional roman blinds with a modern twist - a highly energy efficient thermal core with a unique magnetic edge seal. They substantially reduce heat loss & remove down-draughts from your windows, incorporating Thinsulate (thermal fleece) & Mylar (space blanket). Particularly suitable for Listed Buildings & sash windows.



Timoleon

CS12

www.timoleon.co.uk

Timoleon is a leading UK manufacturer and expert on underfloor heating systems and their Hydronik range suits all floor types as well as with renewable technologies. They also supply ventilation systems, heat pumps and solar thermal, which can be integrated together in the most efficient way to create the perfect indoor environment.



Toyota (Snows Group Exeter)

OUTSIDE

www.snowsgroup.co.uk/toyota

Snows Toyota and Lexus form the largest segment of the family run Snows Motor Group. Toyota and Lexus were the first in the world to develop hybrid technology, and all of Snows 9 manufacturer approved dealerships provide full sales and service for the entire hybrid range from both of the marques.



Treco

LD9 & LD10

www.treco.co.uk

Treco was established in 2006 to design, supply, install and maintain complete biomass boiler heating systems for commercial, domestic and district heating applications. Treco have completed over 600 biomass installations and now serve a growing national client base and are the exclusive agent in the UK for the supply and installation of Guntamatic products.



U Need Energy

CS2

www.uneedenergy.co.uk

U Need Energy are a Green Deal Provider that operate in the south west and south Wales. They can arrange all aspects of your energy saving installations from your first enquiry, lodging EPC's, arranging finance through to the installation by one of our Green Deal approved installers.



Vaillant Group

IN15

www.vaillant.co.uk

Vaillant Group are an international, family owned company who have pioneered products that have revolutionised the heating industry. Whether it's award winning boilers or hot water cylinders, intuitive controls or a whole host of advanced renewable technologies designed to utilise sustainable sources of energy, their products are at the forefront of technology and deliver on the Vaillant promise to 'think ahead'.



Vertdegree

www.vertdegree.co.uk

Vertdegree are biomass boiler specialists, based in the south west, expertly delivering the complete survey, design, supply, installation and servicing of woodfuel heating solutions. Specifying a range of market-leading boiler products from 20kW to 2.5MW, with scope to professionally retro-fit or manufacture pre-fabricated turn-key options for domestic, commercial, industrial and public sectors.



Warmer Services

www.warmerservices.co.uk

Warmer Services supply and fit high quality replacement windows and doors and associated products to both new build and regeneration projects to both the trade and public throughout the south west in both PVCu and aluminium. Showcasing at REM this year is their 'A' rated Warmer Eco Range of windows.



Western Power Distribution

www.westernpower.co.uk

7.5 million customers currently rely on Western Power Distribution to deliver a safe and reliable electricity supply to homes and businesses across south west England, south Wales and the Midlands. Western Power Distribution operate the electricity network of wires, cables, poles and substations.



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