

Recycling
& WASTE WORLD
conferences

SPECIAL
RATES FOR
FARMERS

OfEG2011

On-Farm Energy Generation

22nd and 23rd June 2011, Stoneleigh Park, Warwickshire

On-Farm Energy Generation 2011

*Securing revenue streams from
land based energy*

In Association with



Silver Sponsor



Wednesday 22nd and Thursday 23rd June 2011

TOMORROW'S THINKING TODAY

CURRENTLY EXHIBITING AT OFEG



LDÄ DESIGN



BOWLER ENERGY

7Y Energy



WHY YOU SHOULD ATTEND

Interest in farm based renewable energy has surged in the past year, and 2011 is set to see many more exciting developments, as the agricultural sector is increasingly looking towards alternative resources to maximise the return from their land. It is becoming more and more attractive as more incentives become available, and the ever topical issue of carbon reduction is further putting the spotlight on sustainability.

The rural population is well placed to capitalise on 'free' energy sources providing the opportunity to diversify to new income streams and a real chance to demonstrate a positive message that the rural community can produce energy for the country through environmentally low impact renewable energy solutions.

Farm land and buildings are ideal locations for generating energy from a wide range of sources but while landowners can reap the financial rewards that renewable energy brings it is equally important that people get the right advice to protect their assets.

On-Farm Energy Generation provides a detailed analysis of government policy, incentives, planning, technological advancements and financing. The event will enable farmers to gain valuable information on the range of technologies available for on-farm energy generation, as well as other issues that will influence investment decisions.

WHAT YOU WILL GET FROM THIS CONFERENCE

- Analysis of government policy and what this means for the developing renewable energy industry within agriculture.
- An understanding of the financial incentives and support mechanisms, and how will these will affect risks and avenue.
- An in-depth analysis of Anaerobic Digestion
- How to formulate a business plan and secure additional revenue streams
- Practical knowledge on planning, set-up, costs and outputs
- Gain valuable information on the range of technologies available for on-farm energy generation
- An insight into the rapidly growing wind energy market
- Introduction to Solar, Biomass and Hydropower
- Why retailers are turning to small scale energy generation as a source of green energy
- Case studies from farmers who have successfully adopted renewable energy schemes
- Communications, planning considerations and how to gain financing
- The role of small scale producers to large firms, selling your excess power

On-Farm Energy Generation addresses the issues that are critical to the development of renewable energy sources on farms. With plenty of time built in for questions and discussions, **On-Farm Energy Generation** brings you the analysis, information, discussion and networking opportunities that are essential for the development of renewable energy on farms, and therefore the development of your farm.

Book your place today – it's the future of your business!

WHO SHOULD ATTEND

- Farmers
- Estate Managers
- Landowners
- Agricultural Advisors and Developers
- Environmental Consultants
- Machinery Producers
- Technology Providers
- Plant Operators
- Site Managers
- Anyone interested in renewable forms of energy

SUPPORTING ORGANISATIONS

Members of supporting organisations have a 10% discount* off the standard delegate rate – see the back cover booking form for further details.

*RASE members receive 20% off.



EXHIBITION OPPORTUNITIES

Your chance to reach your target audience and actively participate in the conference.

If this appeals to your company please contact 01722 717031 or email events@markallengroup.co.uk

See back page for further details.

www.recyclingwasteworld.co.uk/conferences

On-Farm Energy Generation 2011

Securing revenue streams from land based energy

Wednesday 22nd June 2011, Stoneleigh Park, Warwickshire

09.00 – 09.30 **Doors Open**

09.30 – 09.40 **Welcome** Richard Gueterbock, Director
Clearfleau

Conference Chairman

09.40 – 10.05 **Agriculture in the low carbon community**

- Climate change, food and energy security
- Wide choice of renewable energy technologies
- Growing range of financial incentives
- Need for consistent government policy support

Jonathan Scurlock, Chief Advisor, Renewable Energy and Climate Change, NFU

10.05 – 10.20 **Feed-in-Tariffs**

- CLA view of the opportunities with FITs
- What the emergency review will mean for land managers

Renewable Heat Incentive

- What it means and how land managers might benefit

Henry Robinson, Vice President, CLA

10.20 – 10.40 **Question and Answer Session**

10.40 – 11.15 **Refreshment Break**

11.15 – 11.35 **Making the most of the renewable energy boom**

- What technology fits my farm
- Process and costs
- Financial Returns

Duncan Brewer, Associate Director, Savills

11.35 – 11.55 **Making the Project Happen – 10 Things that will make your project a success**

- A Structured Approach to Assessing Your Project
- Your Key Drivers for Success
- Practical Guidelines and Benchmarks

James Miles-Hobbs, Renewable Energy Business Consultant, Rural Development Associates Limited

11.55 – 12.15 **Selling to the grid**

- Making the most of energy produced
- Power Purchase Agreements
- Risks, returns and benefits

Juliet Davenport, Chief Executive, Good Energy

12.15 – 12.40 **The Small-Scale AD Challenge for Farming**

- Case Study Overview
- Key Barriers
- Benefits of AD

Angie Bywater, Author, RASE Review of AD Plants on UK Farms

12.40 – 12.50 **Question and Answer Session**

12.50 – 13.50 **Lunch**

ANAEROBIC DIGESTION

13.50 – 14.10 **A practical look at the problems, issues and benefits raised when considering building an on farm AD plant including....**

- Choosing a partner
- Managing the procurement and construction phase
- Gearing up to run an AD plant

With first hand illustrations of what can go wrong and how to prevent problems in the first place

Will Kirkman, Managing Director, Burdens Energy

14.10 – 14.30 **Case Study – Developing a DIY 300kw on-farm AD plant**

- Experiences gained in taking an AD plant to commissioning

- Issues encountered along the way
- Connecting to the grid
- Initial running experience

James Hart, Farmer and Director, J J Power Ltd

14.30 – 14.50 **Case Study - The Walford Farm Anaerobic Digester - 17 years and still learning**

- Farm-Scale anaerobic digestion
- Operation and management of the Walford Farm digester
- Opportunities & threats of running a farm-scale digester
- Costs and benefits of the Walford Farm Digester

Jon Parry, Director of Skills and Business Development, Walford and North Shropshire College

14.50 – 15.00 **Question and Answer Session**

15.00 – 15.30 **Refreshment Break**

15.30 – 15.50 **Digestate, quality, value and usability**

- Why use digestate?
- Nutrient contents and agronomic value
- Digestate standards and regulations
- Are there any restrictions on its use?
- Building confidence in digestate use
- WRAP / Defra field trials
- The farm assurance view

David Tompkins, Agriculture Sector Specialist, WRAP

15.50 – 16.10 **Keeping the digester safe**

- H2S and confined spaces
- Explosions
- Slurry Pollution
- Adopt Safe Ways of working
- Hot Permits
- RAMS

Les Gornall, process and sustainable energy consultant, Independant Consultant, Biomass PROJEN Plc

16.10 – 16.20 **Question and Answer Session**

BIOMASS

16.20 – 16.40 **Biomass – An overview**

- Suitable feedstocks and energy crops available in the UK
- Boiler technology
- Fuel Storage
- Operation and maintenance

Dr Geoff Hogan, Information Officer, Biomass Energy Centre

16.40 – 17.00 **Biomass – What fuel suits who and why?**

- How to choose a biomass system
- Pros and cons of the different fuel types
- Fuel Storage

Richard Collins, Group Biomass Manager, Countrywide Farmers Plc

17.00 – 17.20 **Case Study – Becoming a green convert**

- What goes on at Manor Farm Wadswick.
- Our Biomass heating system
- Fuel source
- Miscanthus
- Pros
- Cons

Tim Barton, Wadswick Country Store

17.20 – 17.30 **Question and Answer Session**

17.30 **Summing up and close of conference**
Conference Chairman

On-Farm Energy Generation

Securing revenue streams from land based energy

Thursday 23rd June 2011, Stoneleigh Park, Warwickshire

**SPECIAL
RATES FOR
FARMERS**

09.00 – 09.10 **Doors Open**

09.10 – 09.20 **Welcome** John Reynolds, Non-Executive Director,
Farmway Ltd and Agrifood Chaines Partnership
Conference Chairman

TAKING YOUR RENEWABLE PROJECT FROM A VISION TO REALITY

09.20 – 09.40 **Financing on-farm renewables**

James Sutcliffe, Senior Manager, Renewable
Energy Team, The Co-operative Bank

09.40 – 10.00 **The legalities of renewables**

- Purchase contracts for own use wind turbines
- Roof top leases for solar
- Options and leases for wind and solar farms

Sonya Bedford, Head of Renewable Energy,
Stephens Scown Solicitors

10.0 – 10.20 **Are you likely to be granted
planning permission?**

- planning policy considerations
- identification of constraints
- will an EIA be needed?
- preparing a good application
- working with stakeholders and the
local community.

Gillian Pawson, Director, GP Planning

10.20 – 10.40 **Encouraging Energy Generation
on Farms**

- The role of small scale producers to large firms
- The retailers Commitment

Mervyn Bowden, Head of Energy Management,
Marks & Spencer Plc

10.40 – 10.50 **Question and Answer Session**

10.50 – 11.20 **Refreshment Break**

HYDRO POWER

11.20 – 11.40 **An Introduction to Hydro Power**

David Williams, Chief Executive,
British Hydro Power Association

11.40 – 12.00 **Installing Run of River
Micro Hydropower**

- site selection & getting advice
- working with the EA
- MCS/FIT
- site development

Anthony Battersby, Director, River Energy Networks

COMMUNITY ENERGY

12.00 – 12.20 **Community Renewable Energy Co-Operatives**

- A real opportunity for landowners
- Whats up and running already
- A look at wind, hydro, solar and biomass
- A guide to getting started

Jon Halle, Director, Sharenergy

12.20 – 12.40 **Case Study – Community Wind Power**

- Westmill Wind Farm Co-operative
- Why Community ownership is such a good idea
- Lessons learnt from the Westmill experience

Adam Twine, Westmill Farm and Farm

Carbon Cutting Toolkit

12.40 – 13.00 **Question and Answer Session**

13.00 – 14.00 **Lunch**

SOLAR POWER

14.00 – 14.20 **Opportunities from Solar Power**

- Planning
- Instalation and Maintenance
- Leases and Rent
- How will the review of the FITs affect
the development of Solar

Paul Cottington, SW Environment Advisor, NFU

14.20 – 14.40 **Solar PV – A brighter
balance sheet??**

- Experiences gained from installing a
Solar system
- Issues and challenges
- Benefits and rewards
- Replicating this across other farms
and locations

Gareth Williams, Caplor Energy

14.40 – 15.00 **Martin Cotterell** Managing Director, Sundog Energy

15.00 – 15.10 **Question and Answer Session**

15.10 – 15.40 **Refreshments**

WIND POWER

15.40 – 16.00 **On-farm wind energy**

- Location, location, location
- Planning and environmental considerations
- Opportunities and risks

Bill Jackson, Business Development Manager,
Aeolus Power

16.00 – 16.20 **Case Study: Dewlay Cheese
On-farm wind energy**

- Why the project was conceived
- Planning and development challenges
- Adressing the issues of public perception
- The Build process
- Supermarkets and the market
- A successful conclusion

Chris Porter, Director WindProspect

16.20 – 16.40 **A commercial comparison of small,
medium and large wind turbines on a
typical UK farm.**

- Simple financial model for a 15KW, a 250kW
and a 900kW turbine
- Annual electricity outputs at average
wind speeds
- Turbine costs and project costs
- Expected revenue streams – FIT and energy
export / offset
- Simple ROCE and payback calculations –
easy to understand

Laurence Duncan, Finance Director,
Ice Renewables Limited

16.40 – 17.00 **Question and Answer Session**

17.00 – 17.10 **Summing Up –**

Conference Chairman



Registration form

I would like to secure my place at **On-Farm Energy Generation 2011, 22-23 June 2011 at Stoneleigh Park Conference Centre, Warwickshire.** (Photocopies of this form accepted).

Title Surname

Forenames.....

Job Title.....

Company Name.....

Address

Postcode..... Tel

Email

Dietary requirements.....

I understand that this registration form is subject to the booking conditions.

Signed..... Date

How did you hear about this conference?
.....

CONFERENCE RATES

Standard delegate rate £299 + VAT = £350.80 **Farmer's rate: £125 + VAT = £150** (Land Holding Number must be supplied to qualify for this rate)

Land Holding Rate: CPH / / I am a member of the following organisation and request a 10% discount

AFOR CLA BHA NFU NNFCC

Supporting organisations membership standard rate: £269.10 + VAT = £322.92

Supporting organisations membership farmers rate: £112.50 + VAT = £135.00

20% Discount for RASE Members

RASE Farming Members: £100 + VAT = £120

RASE Non-Farming Members: £239.20 + VAT = £287.04

Exhibition stand booking £1250 + VAT = £1500

Total: £

Booking for On Farm Energy Generation 2011, 22-23 June 2011

Please refer to our website www.recyclingwasteworld.co.uk/conferences and download the conference brochure, which provides full program and booking details for delegates and exhibitors or refer to www.rase.org.uk

I WISH TO PAY BY:

Please debit my **Visa Mastercard Maestro American Express**

Card no

Valid from Expiry date

Issue no (Maestro cards only) 3 digit security code

Signed..... Date.....

or... make your cheque payable to A&D Media Ltd or... invoice

INVOICE DETAILS

Requesting an invoice and signing this form will secure your place on the conference. All invoices though, must be paid in full before the event.

PLEASE COMPLETE IN FULL IF DIFFERENT FROM ABOVE

Contact.....

Company.....

Full address.....

..... Post code.....

Telephone..... Fax.....

Email

Signed.....

Data Protection - By registering for a conference A & D Media can provide you with information relating to your booking and other A & D Media related products or services via email, direct mail, fax or telephones. Please write to the head of marketing at the address below if you do not want to receive this information. We may also make your details available to carefully screened companies (excluding email addresses) who have offers that may be of interest to you. If you specifically do not wish your details to be made available to third parties, tick here.
Yes, I would like to receive carefully screened and work-related information from third parties.

PLEASE RETURN TO: Conference bookings, A&D Media Ltd, Jesses Farm, Snow Hill, Dinton, Wilts, SP3 5HN. FAX BOOKING LINE: 01722 716926
TEL BOOKING LINE: 01722 717031 EMAIL: events@markallengroup.co.uk

Booking conditions

A&D Media Ltd accepts bookings under the following conditions:

- All correspondence will be sent to the participants at the address specified on the booking form or over the telephone. (This address will also appear on the official participant's list given out at the event).
- The completed booking form together with full payment must be sent to A&D Media Ltd. A confirmation will then be issued. Cheques should be made payable to A&D Media Ltd. **Returning the signed registration form constitutes a firm booking.**
- Bookings may be made by telephone but payment must be made in full by credit card.
- All payments, including credit card, must be in sterling.
- A&D Media Ltd reserves the right to cancel a booking if payment is not made six weeks prior to the conference taking place. Any outstanding payment becomes the responsibility of the signatory made on the reservation form.**
- Payment for any booking made within six weeks of the conference will still be due to the company irrespective of whether the delegate attends.
- Should you be unable to attend, a substitute delegate may take his/her place. Notification must be received in writing one week prior to the conference.
- A&D Media Ltd reserves the right to change the conference speakers in cases of illness or other conditions beyond its control.
- A&D Media Ltd does not accept responsibility for loss or damage to delegates' own property and/or personal effects whilst at the conference.
- A&D Media Ltd does not accept liability for loss or damage to personal effects caused by events beyond its control, including (but without limitation) fire, flood, strikes, civil disturbances or for consequential loss or damage of any kind whatsoever.

Cancellation of booking

Written cancellations received six weeks prior to the conference will be accepted and a refund of 90% of the booking charge will be made. After this date, no refunds can be given. Verbal cancellations will not be accepted.

If written cancellation is not received six weeks prior to the conference full payment will still be due irrespective of whether the delegate attends the conference.



Online booking available now at
www.recyclingwasteworld.co.uk/conferences

Exhibiting at *On-Farm Energy Generation 2011*, 22nd-23rd June 2011

Exhibiting at this event provides you with the opportunity of reaching your target audience and actively participating in the conference.

Cost £1250 + VAT = £1500

The exhibition package includes:

A complimentary delegate place

A stand space, 2m x 3m

Furniture for your stand – a table and two chairs

Lunch and refreshments throughout the conference

Your company profile included in the delegate pack, with contact details

I wish to book an exhibition stand at *On-Farm Energy Generation 2011*, 22-23 June 2011

Payment and booking details – please complete the registration form opposite

How to get to the venue

Stoneleigh Park, Near Coventry, Warwickshire CV8 2LZ
Tel: 024 7669 6969 www.stoneleighpark.com

Stoneleigh Park is situated close to the M1, M40, M42, M45, M6 and M69.

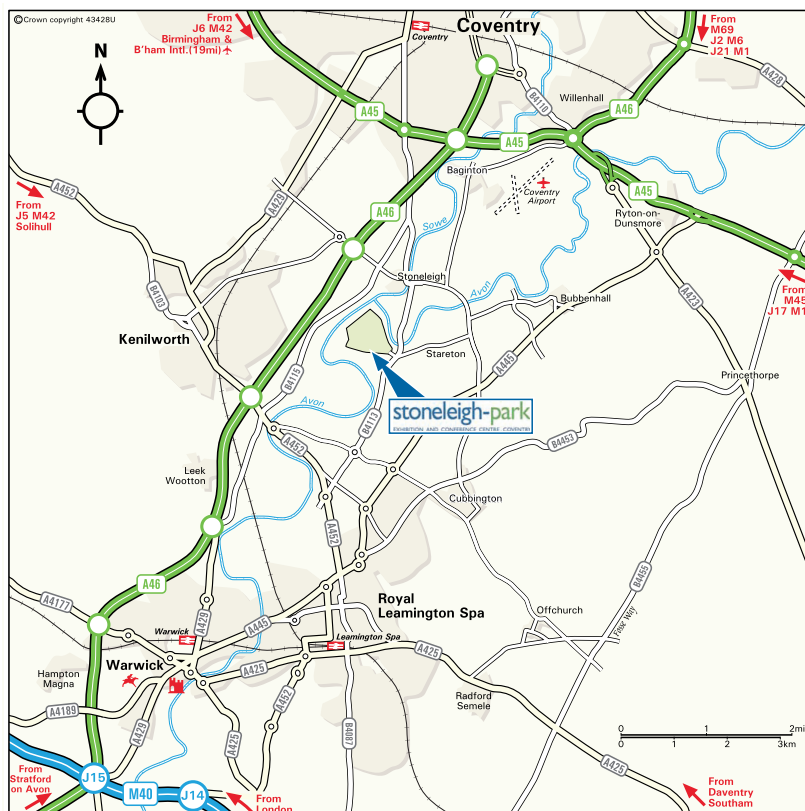
There is ample free car parking on site.

For full directions please visit www.stoneleighpark.com/directions/index.asp

Accommodation

Hotel accommodation is available on site at Stoneleigh Park Lodge. Tel: 024 7669 0123
www.stoneleighparklodge.com

Quote 'Recycling and Waste World Conference' for a reduced rate. Rooms are limited and available on a first come, first served basis.



Online booking available now at: www.recyclingwasteworld.co.uk/conferences
Telephone enquiries: 01722 717031