

AD NI 2013



**Composting & Anaerobic Digestion
Association *of* Ireland**

Supported by



**Material change for
a better environment**

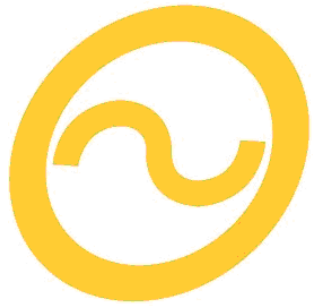


Thanks to Organising Committee

- ▶ Morgan Burke (Stream Bioenergy)
 - ▶ Fiacra Quinn (Greenstreets)
 - ▶ Micheal Geary (FLI Energy)
 - ▶ Micheal Storan (Bord na Mona)
 - ▶ Alan Reynolds (Greenfield Ventures)
 - ▶ David McDonnell (Green Gas AD Plant)
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Main Sponsor

Specialists in Power Generation



Edina



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F.L.I.
ENERGY

ANAEROBIC DIGESTION TECHNOLOGY

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Lunch and Coffee Breaks Sponsored by

Clarke Energy

Engineer - Install - Maintain

Evening Networking Event



Planning Process from 2005 to July 2013

Planning Process from 2005 to July 2013

	No. of Plant	MW
Withdrawn	8	
Refused	2	
Granted Permission	90	37
Decision Pending	36	
Plants got permission and reapplied with amendments	9	
Number of plants in planning process	127	56

Feedstocks

95% + On Farm own manures + grass silage/energy crop

AD Plants Operating

Plant	Feedstocks	KW
AFBI	Cow slurry	23
Ballyrashane Creamery	Dairy wastes/ energy crops	750
BH Energy, Dundonald	Cow slurry and silage	250
Green Farm Energy, Co. Tyrone	Cow and pig manure	40
Greenville Energy, Co. Tyrone	Grass/maize silage, cow slurry	400
Hunniford, Co Armagh	Slurry, silage, poultry effluent	500
JMW Farms Ltd. Tynan, Co Armagh	Pig manure	500
B9 Energy, Dungannon (Commissioning Stage)	Food Waste etc	2700

ROC Update

- ▶ In September 2013 there were 7 AD plants accredited under the NIRO with a combined installed capacity of 2.3MW
 - ▶ After wind, landfill gas- AD makes the next biggest contribution to renewable electricity generation (at present about 1600MWh per month)
 - ▶ Renewable electricity is currently contributing approximately 15% of total electricity generated
 - ▶ New ROC levels were introduced earlier this year for large scale technologies i.e. above 5MW.
 - ▶ Under the new banding levels, AD above 5MW will remain at 2 ROCs until end March 2015. It then reduces to 1.9 ROCs for accreditations in 2015/16 and 1.8 ROCs in 2016/17
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ROC Review

- ▶ DETI is currently tendering for consultants to undertake a review of small scale technologies, including AD. The outcome of this work will inform a consultation in summer 2014 on any proposed changes to existing ROC levels which will come into operation in April 2015.
 - ▶ The review will consider how technology costs have changed since the enhanced ROC levels were introduced in 2010 and 2011 and how they are expected to change between now and the NIRO's closure to new generation in 2017.
 - ▶ As part of electricity Market Reform, the NIRO will close to new generation in 2017. Instead, large scale (Above 5MW) generation will be offered a Feed-In Tariff with Contracts for Difference. The powers to introduce CfDs are being taken through DECC's Energy Bill.
 - ▶ DETI is proposing to introduce a small scale FIT to support technologies including AD. The legislative powers for a FIT are currently being drafted as part of a DETI Energy Bill. We have no firm date yet for the FIT's introduction but the intention is to have it in place by the time the NIRO closes to new applications in 2017.
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Thanks to the Speakers

- ▶ Noel Lavery, Permanent Secretary, Department of Agriculture and Rural Development

Success Stories

- ▶ Willie Moore, Greenville Energy
- ▶ David Hughes & Alan Archibald, Ballyrashane Creamery
- ▶ Katherine Church, Waste and Resources Action Programme
- ▶ Elaine Groom, (Questor, Queens University) & Pádraig O'Kiely, Teagasc

Finance

- ▶ Russell Smyth, KPMG
- ▶ Dominic Noel-Johnson, Green Investment Bank

Industry Updates

- ▶ William Dukelow, Department of Environment
 - ▶ Thomas Crommie, Agri AD Ltd
 - ▶ Rory Mullan, Mullan Grid Consulting
 - ▶ Peter Scott, Department of Agriculture and Rural Development
 - ▶ Gabor Csepány, SLR Consulting
 - ▶ Simon Murray, Questor, Queens University
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Reminders to Members

Submission on Gas to Grid for CER (Ireland) – comments ASAP

Submission on Banning Food Waste to Land (Northern Ireland) comment by end Oct

Cré AGM – 25 November (Health/Safety/ Bioenergy Strategy/ Waste Policy)

Study Tour in January to AD & Compost Plant (detailed to be confirmed)

AD Europe – International Conference



20-21 February 2014
City North Hotel – near Drogheda
