

Wilson, Carolyn

From: Johnston, Chris
Sent: 12 December 2016 09:27
To: Olave, Rodrigo
Subject: RE: Case Study with Action Renewables

Thanks Rodrigo.

It is for a case study. We will get it from Action Renewables before it is finalised for a check over.

I changed it slightly to read...

Improved carbon savings for your organisation: **yes, the gross GHG emission's saving from the AD plant is approximately 170 tonnes of CO₂e per year. The AD plant has demonstrated a reduction of C emissions from fossil fuels**

Improved your security of supply: **yes, the energy generated on site is used to displace energy that would otherwise come from the grid and oil fired heating. The electricity production is approximately 35% across the whole AFBI Hillsborough site and the heat from the 100kW CHP contributes significantly to the heat use on site.**

Since your AD plant has been installed, have you noticed savings in your energy bills?. **Yes, in the displacement of purchased fuel oil and electricity from the grid. Although heat and electricity production from the AD plant vary year to year (due to research and maintenance needs), heating oil saving from the AD plant is approx 30,000 L per year which is reflected in savings in energy bills for the whole site. In relative terms, despite the contribution of electricity being lower, the savings fluctuate between 15% and 10% per year.**

Do you use any other renewable technologies? **Yes, solar thermal heating and photovoltaic and heat from two biomass combustion units (320kW & 120kW), How do they work together to provide AFBI's energy needs?. The heat generated from the CHP and biomass units is distributed throughout the AFBI site via a District Heating network (approx 1.4km)**

Regards
Chris

Chris Johnston
Tel:- 02892681540
email:- chris.johnston@afbini.gov.uk

From: Olave, Rodrigo
Sent: 09 December 2016 15:59
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Chris,
These are rough estimates – treat them with caution!,

Rodrigo

3. Can you tell us about the Anaerobic Digestion plant you have installed?

You could comment on:

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Do you use any other renewable technologies? **Yes, Biogas, CHP, solar heating, photovoltaic, biomass boiler, How do they work together to provide AFBI's energy needs?. heat and electricity, is reflected in financial and carbon savings**

From: Johnston, Chris
Sent: 08 December 2016 19:27
To: Olave, Rodrigo
Subject: RE: Case Study with Action Renewables

Ideal – thanks.

Chris

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email:- chris.johnston@afbini.gov.uk

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028 92 681540

From: Rachel Sankannawar
Sent: Wednesday, 30 November 2016 10:31
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Subject: RE: Case Study with Action Renewables

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Thanks again for helping with this!

Rachel.

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1. Can you tell us about who you are, and what your organisation does?

The Agri-Food & Biosciences Institute (AFBI) was created on 1st April 2006 as an amalgamation of the Department of Agriculture and Rural Development (DARD) Science Service and the Agricultural Research Institute of Northern Ireland (ARINI). AFBI carries out high technology research and development, statutory, analytical, and diagnostic testing functions for DAERA and other Government departments, public bodies and commercial companies.

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I think you will know the answer to this one better than me but I'm assuming it might have been right from the start

5. Have you been satisfied with the service provided by Action Renewables?

Yes

6. If you have any photos of your systems could you please share them with us?

Attached

From: Johnston, Chris [<mailto:Chris.Johnston@afbini.gov.uk>]
Sent: 17 November 2016 17:48
To: Rachel Sankannawar <Rachel.Sankannawar@actionrenewables.co.uk>
Subject: RE: Case Study with Action Renewables

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Many thanks
Rachel.

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Sent: 15 November 2016 10:55
To: Rachel Sankannawar <Rachel.Sankannawar@actionrenewables.co.uk>
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He has clarified in detail that you can certainly highlight the benefit of using a renewable generator as opposed to conventional fossil, However, if the aim is to use any text we provide in any material used to promote Action Renewables, he feels we can't be seen to provide any endorsement of your services but can confirm that we are fully satisfied with the service we have received. He is also concerned about releasing our ROC income for promotional use.

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Whilst your ROC production is publically available, we understand that the monetary income is confidential (trade prices etc), however an indication of payback would be useful if you were happy with that level of detail?

Many thanks
Rachel.

From: Johnston, Chris [<mailto:Chris.Johnston@afbini.gov.uk>]
Sent: 07 November 2016 19:33
To: Rachel Sankannawar <Rachel.Sankannawar@actionrenewables.co.uk>
Subject: RE: Case Study with Action Renewables

Hi Rachel

I don't think there would be any major issues in this however the branch head is in China at the moment so I would like to just make him aware. He gets back I think in the next couple of days.

Can we agree that we will have sight of any presentation material in advance to review and make sure we are happy with what is in the case study? I suspect there is nothing particular confidential about this operation as the data is all publically available isn't it? ROCS? Income etc?

Talk soon

Regards
Chris

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From: Rachel Sankannawar [<mailto:Rachel.Sankannawar@actionrenewables.co.uk>]
Sent: 07 November 2016 09:17
To: Johnston, Chris
Subject: RE: Case Study with Action Renewables

Hi Chris,

Great to hear from you too! I'm sure you are super busy, it's the same in AR with the run up to the ROC deadline at the end of March!

Thanks so much for checking about the case study, I look forward to hearing from you.

Many thanks
Rachel.

From: Johnston, Chris [<mailto:Chris.Johnston@afbini.gov.uk>]
Sent: 04 November 2016 16:34
To: Rachel Sankannawar <Rachel.Sankannawar@actionrenewables.co.uk>
Subject: RE: Case Study with Action Renewables

Hi Rachel

Good to hear from you and yes all grand here – just a lot on at the moment and none of it seems to be straight forward !! I don't see any reason why this wouldn't be absolutely fine. I have only recently become involved with the AD plant here so I will just run it past my colleagues and I will get straight back to you.

Regards
Chris

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Tel:- 02892681540
email:- chris.johnston@afbini.gov.uk

From: Rachel Sankannawar [<mailto:Rachel.Sankannawar@actionrenewables.co.uk>]
Sent: 04 November 2016 12:29
To: Johnston, Chris
Subject: Case Study with Action Renewables
Importance: High

Hi Chris,

It's been a while since I have seen you, I hope you are doing well!

As you will be aware, the closure of the ROC regime is encroaching and many renewable energy projects are yet to be completed. In light of this Action Renewables is running a seminar, in partnership with Vayu, to address the process of Ofgem accreditation, and to highlight best practice in negotiating and comparing commercial terms on a ROC Trading Contract and a Power Purchase Agreement.

As part of the PR running up to the event on the 24th of November, we would like to highlight some case studies where Action Renewables has provided best value and great customer service to our clients. I was hoping that the services we provide for the ROCs for AFBI's AD Plant could be one of these case studies. It would also be a great opportunity to promote AFBI's work, and of course all content would be passed to you for approval before release. Would you be willing for us to the AD plant as a case study in our PR exercise?

I look forward to hearing from you.

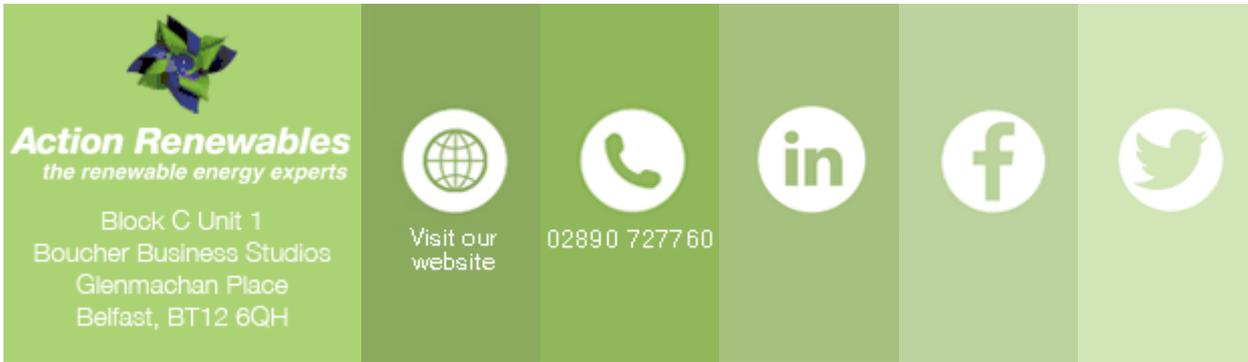
Many thanks
Rachel.

Rachel Sankannawar
Business Development and Tenders Manager

Tel: 028 9072 7771

Mobile: Personal information redacted by the RHI Inquiry

Email: Rachel.Sankannawar@actionrenewables.co.uk



Action Renewables Energy Association (AREA): AREA's priorities are to protect the existing renewable energy (RE) industry and build the future of RE in Northern Ireland. With the threats to RE and the RE policy vacuum in Northern Ireland, the role of AREA is vital.

[Join AREA now](#) and together we can establish a renewable future for Northern Ireland. For more information or to join, please contact area@actionrenewables.co.uk

Action Renewables is offering an unrivalled **ROC accreditation and ROC trading service** for both large and small scale generators. For further information please contact techteam@actionrenewables.co.uk. Alternatively please visit our website by following the link: <http://actionrenewables.co.uk/roc-trading/>

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Subject: RE: Case Study with Action Renewables

Hi Rachel

I don't think there would be any major issues in this however the branch head is in China at the moment so I would like to just make him aware. He gets back I think in the next couple of days.

Can we agree that we will have sight of any presentation material in advance to review and make sure we are happy with what is in the case study? I suspect there is nothing particular confidential about this operation as the data is all publically available isn't it? ROCS? Income etc?

Talk soon

Regards
Chris

Chris Johnston
Tel:- 02892681540
email:- chris.johnston@afbini.gov.uk

From: Rachel Sankannawar [<mailto:Rachel.Sankannawar@actionrenewables.co.uk>]
Sent: 07 November 2016 09:17
To: Johnston, Chris
Subject: RE: Case Study with Action Renewables

Hi Chris,

Great to hear from you too! I'm sure you are super busy, it's the same in AR with the run up to the ROC deadline at the end of March!

Thanks so much for checking about the case study, I look forward to hearing from you.

Many thanks
Rachel.

From: Johnston, Chris [<mailto:Chris.Johnston@afbini.gov.uk>]
Sent: 04 November 2016 16:34
To: Rachel Sankannawar <Rachel.Sankannawar@actionrenewables.co.uk>
Subject: RE: Case Study with Action Renewables

Hi Rachel

Good to hear from you and yes all grand here – just a lot on at the moment and none of it seems to be straight forward !! I don't see any reason why this wouldn't be absolutely fine. I have only recently become involved with the AD plant here so I will just run it past my colleagues and I will get straight back to you.

Regards
Chris

Chris Johnston
Tel:- 02892681540
email:- chris.johnston@afbini.gov.uk

From: Rachel Sankannawar [<mailto:Rachel.Sankannawar@actionrenewables.co.uk>]
Sent: 04 November 2016 12:29
To: Johnston, Chris
Subject: Case Study with Action Renewables
Importance: High

Hi Chris,

It's been a while since I have seen you, I hope you are doing well!

As you will be aware, the closure of the ROC regime is encroaching and many renewable energy projects are yet to be completed. In light of this Action Renewables is running a seminar, in partnership with Vayu, to address the process of Ofgem accreditation, and to highlight best practice in negotiating and comparing commercial terms on a ROC Trading Contract and a Power Purchase Agreement.

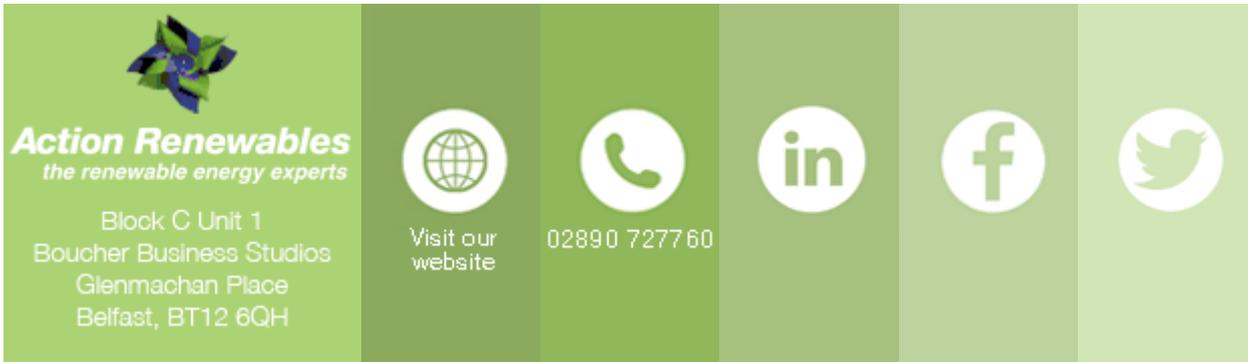
As part of the PR running up to the event on the 24th of November, we would like to highlight some case studies where Action Renewables has provided best value and great customer service to our clients. I was hoping that the services we provide for the ROCs for AFBI's AD Plant could be one of these case studies. It would also be a great opportunity to promote AFBI's work, and of course all content would be passed to you for approval before release. Would you be willing for us to the AD plant as a case study in our PR exercise?

I look forward to hearing from you.

Many thanks
Rachel.

Rachel Sankannawar
Business Development and Tenders Manager

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Action Renewables Energy Association (AREA): AREA's priorities are to protect the existing renewable energy (RE) industry and build the future of RE in Northern Ireland. With the threats to RE and the RE policy vacuum in Northern Ireland, the role of AREA is vital.

[Join AREA now](#) and together we can establish a renewable future for Northern Ireland. For more information or to join, please contact area@actionrenewables.co.uk

Action Renewables is offering an unrivalled **ROC accreditation and ROC trading service** for both large and small scale generators. For further information please contact techteam@actionrenewables.co.uk. Alternatively please visit our website by following the link: <http://actionrenewables.co.uk/roc-trading/>

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