COM-137482

ersonal information redacted To: Nick Maskery by the RHI Inquiry From: Stephen Beagan Mon 11/9/2015 8:49:37 AM Sent: Importance: Normal Subject: RE: Biomass Cost caculator post November 11th. [UNSCANNED] MAIL_RECEIVED: Mon 11/9/2015 8:49:37 AM Nick, & Sorry about the delay in responding. For some reason it went into my junk emails. Very interesting, so it will make more sense for a farmer to put in 2x99kwh rather than a 1992 Would you need to put in 2 buffer tanks and say 4x50kwh heaters?? (2 to each boiler)? Let me know what you think. & Cheers, Stephen From: Nick Maskery [mailto: Sent: 06 November 2015 12:57 To: Stephen Beagan Subject: FW: Biomass Cost caculator post November 11th. [UNSCANNED] Importance: High & Stephen & Did you see the below and attached. I am sure David Mark has as he was at the Greenmount event last week. & Kind regards & Nick Maskery

R &&S Biomass Equipment Ltd

Phone; 02881662707

Mob

ersonal information redacted by the RHI Inquiry

Email;

ersonal information redacted by

www.rsbiomass.com

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From: Ellis, Cathal [mailto:Cathal.Ellis@dardni.gov.uk]

Sent: 06 November 2015 12:11

To: Nick Maskery of Inquiry Inquiry

Subject: FW: Biomass Cost caculator post November 11th. [UNSCANNED]

Importance: High

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From: Ellis, Cathal

Sent: 30 October 2015 11:32

To: 'David Mark'

Subject: Biomass Cost caculator post November 11th.

Importance: High

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David,

provided an example below of costs generated by 2 x99kW boilers as opposed to a single 199kW boiler. This illustrates the importance of looking carefully at each installation. I trust this provides clarification. Please don't hesitate to call me if you have any questions.

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The RHI for biomass boilers applies to installations using solid biomass, municipal solid waste (including combined heat and power).

The commercial scheme has been running since autumn 2012 and current tariffs for the 3 size ranges are:

Less than

The length of tariff is 20 years with RPI adjustments each year.

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From 11th November 2015 The tariff structure for Biomass Boilers will change to a tiered structure and the size range for the middle range will increase from 99kW to 199kW.

The incentive for boilers up to but not including 200kWth will change:

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Tier 1& & The first 1314 full load hours will receive a payment of:

Less than

&

Tier 2& & Up to

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Boilers 200kWth and above, up to but not including 1000kWth remain unchanged at

1.5 p per kWh.

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Example1: A farmer has installed two &

Tier 1& & Size of Boiler X 1314 = kWh used& X Tariff = payment tier 1

99 X 1314 = 130,086kWh X 6.4 = £8325.50

Tier 2& & 400,000 - kWh used Tier 1 X Tier 2 tariff = payment tier 2

400,000 - 130,086 = 269,914 X 1.5 = £4048.71

Tier 3 Additional 50,000kWh used – No Payment

Total Payment = Tier 1 + Tier 2

8325.50 + 4048.71 = £12.374.21

&

Therefore 2 x 99kW boilers would generate a payment of 2 x £12, 374.21 = £24,748.42

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Example 2: A farmer has installed a single 199kW boiler to dry wood chip. The boiler generates 900,000kWh heat per year:

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Tier 1& & Size of Boiler X 1314 = kWh used& X Tariff = payment tier 1

199 X 1314 = 261,486kWh X 6.4 = £16,735.10

Tier 2& & 400,000 - kWh used Tier 1 X Tier 2 tariff = payment tier 2

400,000 - 261,486 = 138,514 X 1.5 = £2077.71

Tier 3 Additional 500,000kWh used - No Payment

Total Payment = Tier 1 + Tier 2

16,735.10 + 2077.71 = £18,812.81

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Therefore a single 199kW boiler would generate a payment of £18,812.81

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A single 199kW boiler will generate £5935.61 less than 2 99kW boilers (hydraulically independent).

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Cathal

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Cathal Ellis

Renewable Energy Technologist CAFRE

Greenmount Campus

Antrim

BT41 4PU

028 94426793

63793 (network)

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