

Northacre Renewable Energy

Virtual Community Engagement Event

Q Questions submitted before and during Webcast

- 1 How does the proximity principle operate in relation to your catchment areas given you are choosing your own catchment and that there are considerable overlaps between EFW plants?
- 2 Nick Dodd, can you please answer the question put to you concerning where the other residual waste will come from other than from municipal waste from Wiltshire? Is it commercial and industrial waste and/or other authorities?
- 3 That answer didn't cover the question about the current problems with the Westbury road, it just focused on adding more vehicles. The current road is struggling already - this is what needs to be assessed in the traffic assessment.
- 4 How many lorries journeys does the current plant generate per day please
- 5 The design of the building will be visible across the local countryside, if it is possible to be more attractive then it should be designed to take into account the countryside not the local industrial estate as it currently looks.
- 6 Where will APCR be disposed of
- 7 As a large part of this waste is C&I, why has no consideration been given to take the waste input and process through and MBT to extract the maximum recycle recovery
- 8 How will you dispose of the bag filters.
- 9 What if there is a sudden failure how can you guard against the formation of furans?
- 10 How often are the bag filters cleaned, changed or replaced?
- 11 Have you chosen your delivery system (incinerator) and if so what make; manufacturers model have you chosen?

NRE Response

The planning application documentation, when submitted, will provide more details on the catchment area and relationships with a waste treatment, including EFW, plants.

See FAQs. Where will waste come from.

The detailed transport assessment which will be submitted with our planning application will provide the evidence base for our updated proposals.

The detailed transport assessment which will be submitted with our planning application will provide the evidence base for our updated proposals.

See updated FAQs. How has the visual impact of the proposals been addressed.

See FAQs. What are the outputs from the process?

See FAQs. Where will the waste come from.

Feedback provided during virtual community engagement.

[Please go to 1:09:00 in Webcast.](#) (Hyperlink)

The detailed air quality assessment which will be submitted with our planning and environmental permit applications will provide the evidence base for our updated proposals.

The environmental permit application will also included details of our assessments of "best available techniques" which will provide further assessments of the approach on the topic of the formation of furans during abnormal operations such as a sudden failure.

Feedback provided during virtual community engagement.

[Please go to 1:09:00 in Webcast.](#) (Hyperlink)

See updated FAQs. Who is the technology provider.

- 12 You mention that Brexit problems were a reason for abandoning the ATT.
Now you are planning to build an EfW, from where will the major plant components be supplied?
I understand that you may not have preferred suppliers as yet, but will all the components be fabricated in UK?
- 13 Can you guarantee that our recycling will be recycled and not burnt?
- 14 Whilst you discuss the increase in HGV traffic that would be impacted by the plan changes as a negligible increase, this doesn't acknowledge the current unsuitability of the A350 with the current levels of HGVs through Westbury.
How do you propose to mitigate this?
- 15 Do the vehicle numbers quoted account for the removal of ash?
- 16 We are clearly in a period when things are not functioning as normal due to the Covid crisis. Parties who need to be consulted about the planning application will probably be on breaks over August. And the wide public engagement needed for such a significant development is hampered by both of the above factors. How could you think it is appropriate to submit your 4th planning application at this time?
- 17 What happens to the ash when you have finished the process? Where does it go? How is it transported?
- 18 What is a grid offset and how is it calculated?
- 19 How big will the lorries be that transfer the stinking waste to Westbury?
- See updated FAQs. Who is the technology provider.
NRE has not yet procured a technology supplier or suppliers and therefore is not in a position to provide feedback on this yet.
- See FAQs. Where will waste come from.
But, yes, it is the residual waste after recyclables have been removed either by the waste producer or at a materials recovery facility (MRF).
Feedback provided during virtual community engagement.
[Please go to 1:05:00 in Webcast. \(Hyperlink\)](#)
- The detailed transport assessment which will be submitted with our planning application will provide the evidence base for our updated proposals. The results indicate imperceptible impacts on A350 and therefore no further mitigation is required.
Feedback provided during virtual community engagement.
[Please go to 1:12:00 in Webcast. \(Hyperlink\)](#)
- The detailed transport assessment which will be submitted with our planning application will provide the evidence base for our updated proposals. However, we can confirm that ash removal is accounted for in these assessments.
Feedback provided during virtual community engagement.
[Please go to 1:12:00 in Webcast. \(Hyperlink\)](#)
- See updated FAQs. Is Northacre Renewable Energy trying to take advantage of COVID-19 lockdown to make changes without following due process?
- See FAQs. What are the outputs from the process?
Feedback provided during virtual community engagement.
[Please go to 55:21 in Webcast. \(Hyperlink\)](#)
- The detailed carbon assessment which will be submitted with our planning application will provide the evidence base for our updated proposals.
Feedback provided during virtual community engagement.
[Please go to 1:22:50 in Webcast. \(Hyperlink\)](#)
- The detailed transport assessment which will be submitted with our planning application will provide the evidence base for our updated proposals.

- 20 You have discussed the singular impact of the plant, but what is the cumulative air quality impact when added to existing emitters?
- The detailed air quality assessment which will be submitted with our planning applications will provide evidence base for our updated proposals. We can also confirm that cumulative effects are considered in this assessment.
Feedback provided during virtual community engagement.
[Please go to 1:15:40 in Webcast.](#) (Hyperlink)
- 21 Why do you think the road infrastructure in Westbury will be able to cope with the extra lorries? Those who live here disagree with you.
- The detailed transport assessment which will be submitted with our planning application provides of the evidence base for our updated proposals.
Whilst there is an increase in throughput tonnage and HGV numbers, the comparison of daily traffic flows shows no significant changes arising from the development, with the increases in general traffic on local roads all well below 1% and specifically less than 0.1% on the A350.
Feedback provided during virtual community engagement.
[Please go to 1:12:00 in Webcast.](#) (Hyperlink)
- 22 Will you be able to share your dispersion modelling?
- Yes. The detailed air quality assessment which will be submitted with our planning applications will provide evidence base for our updated proposals. This will include results of the air dispersion modelling.
- 23 How much fuel oil does your facility burn (typically) per tonne of waste?
- The Environmental Permit application, which will be submitted shortly after the planning application, will set out details such as this.
- 24 1) What is the weight of the flue output? (Annual if possible). What proportion of input weight exits as flue gas?
- The detailed air quality assessment which will be submitted with our planning applications will provide details of the evidence base for our updated proposals.
- 25 Why is the design of the scheme so ugly? Plants like Newhaven have imaginative designs, or others break up the bulk of the building with colour patches to the cladding. This is just an ugly bulk within the landscape.
- See updated FAQs. How was the visual impact of the updated proposals been addressed?
Feedback provided during virtual community engagement.
[Please go to 59:24 in Webcast.](#) (Hyperlink)
- 26 You said lorries full of stinking rubbish will have 2 hours travel time. Am I correct in thinking we will potentially have lorries full of stinking waste coming from as far away as Worcester, outer London, Portsmouth, Southampton, Weymouth, Exeter, Swansea and all points in between?
- Feedback provided during virtual community engagement.
[Please go to 1:18:38 in Webcast.](#) (Hyperlink)
- 27 Can Alex Young explain what he meant by the window closing for Energy from Waste contract in 2019? Was Bioenergy unable to secure finance or was a milestone not reached in the Contract for Difference?
- Feedback provided during virtual community engagement.
[Please go to 1:07:00 in Webcast.](#) (Hyperlink)
- 28 Is it possible to use cogeneration to reduce the amount of wasted heat from the facility?
- Feedback provided during virtual community engagement.
[Please go to 54:29 in Webcast.](#) (Hyperlink)

29 increased tonnage going to the plant will mean more lorries resulting in more emissions in a town with an insufficient road networks.
What are you doing to combat this?

The detailed transport assessment which will be submitted with our planning application will provides details evidence base for our updated proposals. The results indicate imperceptible impacts on A350 and therefore no further mitigation is required.

Feedback provided during virtual community engagement.

[Please go to 1:12:00 in Webcast.](#) (Hyperlink)

30 Now that residents in Wiltshire have been encouraged to put more of our recycling into our blue bins each household has very little residual waste. we rarely have more than one small bin liner every two weeks. This bin liner really only contains plastic films.
Nearly all household waste goes in the blue bin for recycling.

See FAQs. Where will waste come from.

Feedback provided during virtual community engagement.

[Please go to 1:01:17 in Webcast.](#) (Hyperlink)

Given that domestic residual waste has decreased where is the extra 83,000 tons of residual waste now coming from?

31 Q1

Your plant will have 30% bigger throughput than the new EfW at Javelin Park, on the M5 near Gloucester.
Could you confirm that your plant will be a similar size, or bigger, than the one at Javelin Park?

Feedback provided during virtual community engagement.

[Please go to 53:13 in Webcast.](#) (Hyperlink)

32 The WHO suggests best practice is to build incinerators away from residential areas, why is this being ignored and what incentive is there to build it one in Westbury.?

See FAQs. How do we know it will be safe?

In particular, it is worth noting that Public Health England has been undertaking an ongoing major Government funded study since 2012 into the potential health effects of emissions from waste combustion. PHE has repeatedly reported that it has not found a consistent or conclusive linkage between energy-from-waste plants and adverse human health. Accordingly, Government policy continues to support the development of energy-from-waste facilities.

33 Will NREL provide a full and transparent statement of the carbon emissions from this proposal showing method and workings so that these can be independently assessed by Wiltshire Council?

The detailed carbon assessment which will be submitted with our planning application will provides evidence base for our updated proposals.

34 Would any of the speakers care to live in Westbury within a mile of this plant if it is built?

Feedback provided during virtual community engagement.

[Please go to 56:28 in Webcast.](#) (Hyperlink)

Jane Russ
Westbury Town Councillor

35 As you will be spending two hundred million pounds on an incinerator why don't you defer until conditions permit to have a proper consultation with the public? It is important that you value the community they area extremely concerned over your proposal. It will mean waiting but it's a small request for such a large amount of money. It's all about people or is it a submission of application and hope for a decision by Christmas?

See updated FAQs. Is Northacre Renewable Energy trying to take advantage of COVID-19 lockdown to make changes without following due process?

- 36 Members of Westbury Gasification Action Group are horrified at these new proposals. NRE spent several years trying to convince people of the merits of gasification as state of the art technology. But you are now reverting to conventional incineration. Please explain clearly how this technology relates to the change in emissions regulations you have referred to on your website.
- Also:
- You propose to increase the waste capacity of the plant by more than 50% to 243,000 tonnes per annum. Would the number of truck movements through the area also go up by 50%? Exactly how many vehicle movements would there be per annum and how has this been calculated?
 - Very fine particles cannot be filtered out from incinerator emissions. On which areas of Westbury and surrounding villages do you estimate they would fall?
 - What are the dimensions of the main building and chimneys in the new proposal? What consideration have you given to the huge landscape impact of this massive construction on the town and surrounding area. It would be visible from many miles away.
- 37 Please can you advise what will be the daily number of visits by vehicles bringing waste to the site and also the current daily figure. Also, what guidance will be given to drivers concerning routes to the site.
- 38 Please can you provide a detailed comparison of the variables - plotting gasification against moving grate incineration as now proposed. The comparisons should include:
- Feedstock miles per annum and equivalent lorry loads per annum;
 - Operating costs (annual);
 - Financial benefits to accruing to Wiltshire Council;
 - Gaseous emissions per hour / month / annum broken down into gas types;
 - Particulate emissions broken down into Inhalable Coarse Particles 2.5 to 10 micrometers (PM10 – 2.5) and Fine Particles and up to 2.5 micrometers (PM);
 - Residual waste disposal in both overall tonnage per annum and annual lorry movements required
 - Energy generation
- 39 given that you are dramatically increasing the size of the plant, what will the emissions, light, noise, smell and lorry traffic effect be on the town and villages? how can it be justified to site the plant so close to the population?
- 40 Could you please explain how your proposed changes will sit alongside the Government's avowed reduction in carbon footprint at a time when various court decisions have cited the government for failing to have in place a lawful plan to improve air quality? Could you also explain how you will protect the environment surrounding your proposed incinerator, not only from the perspective of the health impact on local residents, but also the surrounding farmland, thereby allowing pollutants into the foodchain?
- Feedback provided during virtual community engagement.
[Please go to 1:12:00, 44:00 and 59:24 in Webcast.](#) (Hyperlink)
- The detailed transport assessment which will be submitted with our planning application will provide evidence base for our updated proposals.
- The environmental impact assessments which will be submitted with our planning application will provide the evidence base for our updated proposals.
- Feedback provided during virtual community engagement.
[Please go to 1:12:00 in Webcast.](#) (Hyperlink)
- The detailed carbon assessment and air quality which will be submitted with our planning application will provide details of the evidence base for our updated proposals.

- 41 On the 18th of July 2018 Wiltshire Councils, Strategic Planning Committee rejected planning permission for this plant because its location endangered the health of the population. How is NREL going to comply with the rule of law in accordance with chapter 37 of the Health and Safety Act that states people should not be exposed to noxious emissions in the atmosphere?
- The reason for refusal at committee on 18 July was not as you describe. Instead, it was that *"the proposed development, by reason of its height, bulk and location on rising ground on the edge of the built up area, would have an adverse impact on the appearance of the area. This would conflict with Core Policy 51 in the Wiltshire Core Strategy, which seeks to protect, conserve and enhance the visual amenity of the landscape"*. However, see FAQs. Are the emissions harmful. In addition, the Northacre Facility will be required to comply with the Environmental Permitting Regulations which are the UK laws that deal with emissions from industrial facilities. These UK laws are derived from the European laws known as the Industrial Emissions Directive.
- 42 please could you provide total per annum vehicle movements at the site, incoming and outgoing, their likely origin and destination and tare and gross weights of each type.
- The detailed transport assessment which will be submitted with our planning application will provide details of the evidence base for our updated proposals.
- 43 The types of vehicle will presumably include, but not be limited to, waste bulk carriers, RCVs, tankers and other bulk consumable vehicles, maintenance and staff vehicles.
- The detailed transport assessment which will be submitted with our planning application will provide details of the evidence base for our updated proposals.
- 44 Could you also provide the same detail for the period of construction, with likely maximums per day.
- The detailed transport assessment which will be submitted with our planning application will provide details of evidence base for our updated proposals.
- 45 What is your anticipated construction period, to include commissioning.
- See updated FAQs. How long will it take to construct the Facility.
- 46 What will the number of construction workers be over the period of construction/commissioning.
What percentage of construction workers will be from the local area.
What percentage of construction workers will require lodgings.
What percentage of the plant will be imported.
- See updated FAQs. Who is the technology provider. NRE has not yet procured a technology supplier or suppliers and therefore is not in a position to provide feedback on this yet.
- 47 Provide me with your estimate of the vehicle movements associated with the construction and proposed operation of the plant, together with the assumptions and working that you have used to arrive at these figures.
- The detailed transport assessment which will be submitted with our planning application provides details of the evidence base for our updated proposals.
- 48 Please what is the CO2 output per annum for the proposal.
- The detailed carbon assessment which will be submitted with our planning application provides details of the evidence base for our updated proposals.
- 49 Feedstock: You said in the presentation the incinerator would be burning a certain tonnage transported directly from the MBT. What is that annual tonnage and has it been permitted already?
What are current HGV and other vehicle movements numbers to the MBT, and what would the increase be should the incinerator be built and start operating?
- The detailed transport assessment which will be submitted with our planning application will provide details of evidence base for our updated proposals.

- 50 Trucks: You gave figures over a 15 hour working day. Are your averages of +11 net and +53 net per day worked out on 365 working days a year, or another figure? The detailed transport assessment which will be submitted with our planning application will provides details of evidence base for our updated proposals.
- 51 Trucks: Please give more detail on the amount of waste you stated was netted out relating to savings on trips to the UK or overseas facilities. How many movements are saved in your calculations. And what period of operation are these based on? The detailed transport assessment which will be submitted with our planning application will provides details of evidence base for our updated proposals.
- 52 Engagement: Good that you had 100 people at one meeting. But there could be more than 25,000 people in the Westbury area and surrounding villages affected by this scheme. How do they receive the information and receive answers to their questions? Many across Wiltshire are also concerned about incineration in the county and how their waste is processed. See updated FAQs. Is Northacre Renewable Energy trying to take advantage of COVID-19 lockdown to make changes without following due process?
- 53 Would it be possible for you to put all the additional questions asked and replies on your website please in due course? A copy of the feedback/questions received plus an update to the FAQs will be available on our website.