## Welcome to our Clean Heat webinar



Due to a large audience, please put yourself on mute and turn your video off Please use Slido for all questions and

comments:

www.slido.com

Slido code:

#67453

As we're expecting a large number of attendees, we probably won't get to answer all questions or address all comments today. If you want a response, please leave your name on slido, or email <a href="mailto:FES@nationalgrideso.com">FES@nationalgrideso.com</a>, we'd be delighted to follow up with you separately. Please note we will be recording the session.



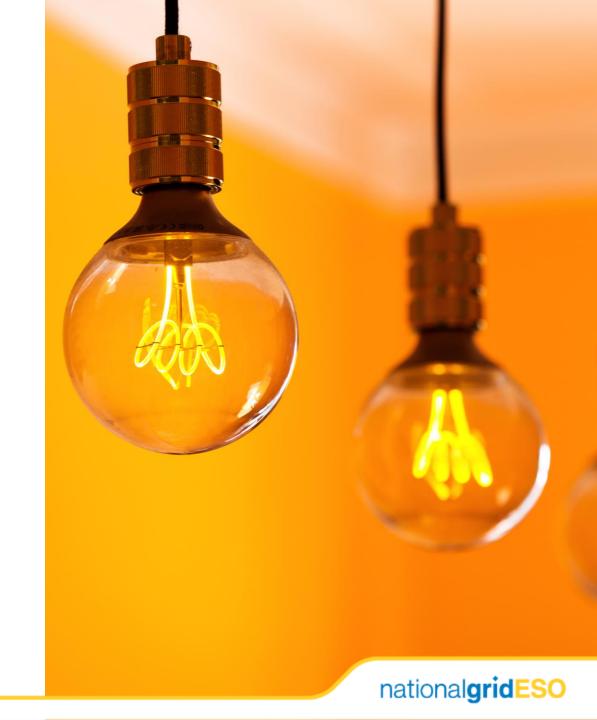


# Agenda

1100 – 1110	Welcome and introduction
1110 – 1125	Overview of our Clean Heat thought piece
1125 – 1145	Our questions to you
1145 – 1155	Q&A
1155 – 1200	Wrap up and next steps

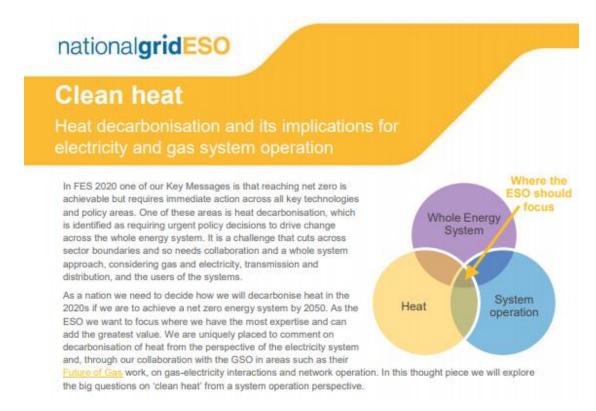
Please ask questions as we go on sli.do #67453

Please fill in our feedback survey here – open until 15/12/20.



# We published a thought piece on the future of clean heat

- What are the options for the future of heat?
- How to ensure that the lights stay on and homes stay warm?
- What are the external factors that could affect clean heat pathways?
- How to collaborate for whole system clean heat solutions?
- What are the next steps needed to deliver clean heat?



Thought piece published here on the 16th November

https://www.nationalgrideso.com/future-energy/future-energy-scenarios/bridging-the-gap-to-net-zero



## Our questions for you

Now we want to know what you think on:

- How will people heat their homes,
- How do they make their decisions
- What will they and won't they be willing to do

We're asking for feedback in multiple ways:

- Responses on sli.do in this webinar
- The survey we sent out before the webinar

Please also put questions for us in on sli.do



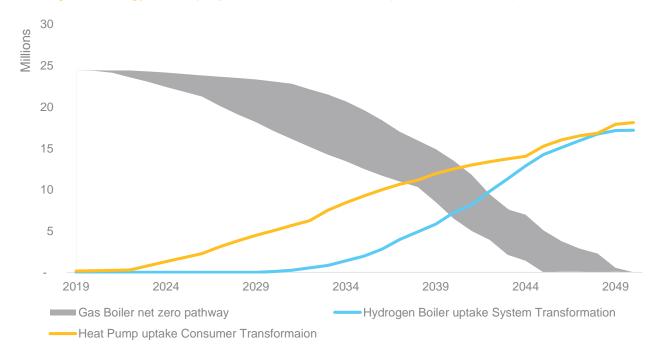
#### Question 1

#### What are the limitations of the different types of clean heat?

#### Could it be any of:

- Consumer awareness?
- Capital costs?
- Consumer experience?
- Technology performance?

#### Heating technology take-up by scenario in FES 2020 (FES CV.10, ED3)



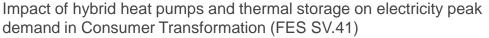


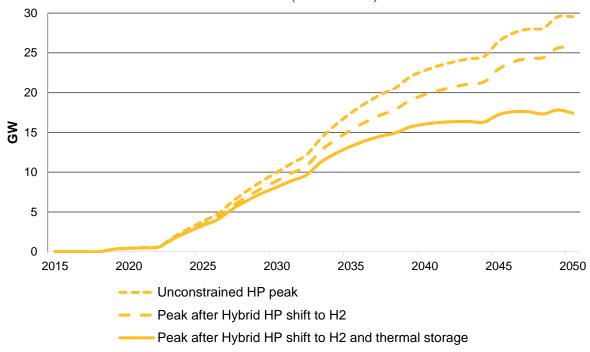
## Question 2

# What will be the most important factors for limiting how high peak electricity demand will get in extreme winters?

#### Will it be:

- Homes better insulated?
- Heat pumps delivering heat more continuously throughout the day?
- Smart demand control responding to market signals?
- Thermal storage demand shifting?
- Hydrogen boilers or hybrids dominate?
- Something else?







## Question 3

In 2050, what percentage of electrically heated homes will use thermal storage to help them time-shift their space heating demand?

This one is a poll, please answer on sli.do

- 0-10%
- 10-30%
- 30-50%
- >50%





