



Jet Zero Council – Third Meeting

11:00 – 12:00, Wednesday 30th June 2021

Virtual Meeting

Attendees

Ministerial Attendance

- Rt Hon Grant Shapps MP, Secretary of State for Transport, Joint Chair
- Rt Hon Kwasi Kwarteng MP, Secretary of State for Business, Energy, and Industrial Strategy, Joint Chair
- Robert Courts MP, Parliamentary Under Secretary of State for Transport
- Rachel Maclean MP, Parliamentary Under Secretary of State for Transport
- Andrew Griffith MP, UK Net Zero Business Champion

Jet Zero Council CEO

- Emma Gilthorpe, Chief Operating Officer, Heathrow Airport

Member attendance

- Alan Newby, Director, Aerospace Technology and Future Programmes – deputising for Paul Stein, Chief Technology Officer, Rolls-Royce
- Dr Alicia Greated, Chief Executive Officer, Knowledge Transfer Network
- Dom Hallas, Executive Director, The Coalition for a Digital Economy
- Gary Elliott, Chief Executive Officer, Aerospace Technology Institute
- Professor Iain Gray, Director of Aerospace, Cranfield University
- Dr Jennifer Holmgren, Chief Executive Officer, LanzaTech
- Johan Lundgren, Chief Executive Officer, easyJet
- John Holland-Kaye, Chief Executive Officer, Heathrow
- Jonathon Counsell, Group Head of Sustainability, International Airlines Group (and Jet Zero Council Sustainable Aviation Fuels Delivery Group Chair)
- Jonathan Hinkles, Chief Executive, LoganAir
- Julie Kitcher, Executive Vice President Communications and Corporate Affairs, Airbus
- Kyle Martin, Vice President, European Affairs, General Aviation Manufacturers Association



- Madeline Whitaker, Head of Government Relations - deputising for Anna Mascolo, President of Global Aviation, Shell
- Malcolm Sutherland FRAeS, Accountable Manager, TUI Airways
- Sir Mike Wigston KCB CBE ADC, Air Chief Marshal, Royal Air Force
- Neville Hargreaves, Vice President, Waste to Fuels, Velocys
- Dr Nina Skorupska CBE, Chief Executive, The Association for Renewable Energy and Clean Technology
- Paul Thompson, Senior Policy Advisor for Renewable Transport, Fuels and Landfill Gas – deputising for Nina Skorupska CBE, Chief Executive, The Association for Renewable Energy and Clean Technology
- Peter Mather, UK Head of Country and Senior Vice President for Europe, BP
- Richard Moriarty, Chief Executive Officer, Civil Aviation Authority
- Russ Dunn, Chief Technology Officer and Head of Strategy, GKN Aerospace
- Shai Weiss, Chief Executive Officer, Virgin Atlantic
- Simon Crabtree, Investment Manager, Mercia Asset Management
- Tim Hawkins, Chief Strategy Officer – deputising for Charlie Cornish, Group Chief Executive, Manchester Airports Group
- Tim Johnson, Director, Aviation Environment Federation
- Tony Wood, Chief Executive, Meggitt and ADS President
- Trevor Woods, Independent Consultant
- Val Miftakhov, Chief Executive Officer, ZeroAvia

Department for Transport official attendance

- Rannia Leontaridi, Director for Aviation
- Holly Greig, Deputy Director, Aviation Decarbonisation Division

Department for Business, Energy and Industrial Strategy official attendance

- Paul Griffiths, Deputy Director, Civil Aerospace R&D

Additional Attendees

- Meera Vadher, Special Adviser to the Secretary of State
- Ministerial Private Secretaries
- Jet Zero Council Secretariat

Apologies

- Paul Scully MP, Parliamentary Under Secretary of State for Business, Energy and Industrial Strategy



- Baroness Brown Julia King DBE FREng FRS, Crossbench Member of the House of Lords (and Jet Zero Council Adviser)
- Jacqueline de Rojas CBE, President, techUK
- Professor Peter Littlewood, Executive Chairman, The Faraday Institution
- Sean Doyle, Chief Executive Officer, British Airways

Actions

- Jet Zero Council (JZC) Secretariat to invite Council members to the private JZC LinkedIn Group.
- JZC CEO to consider linking the investment community into the Council and inviting a representative to the next CEO Steering Group meeting or the next JZC.
- DfT to engage with Knowledge Transfer Network regarding social and behavioural science research following the launch of the Jet Zero Consultation.
- Sir Mike Wigston KCB CBE ADC, Air Chief Marshal, Royal Air Force to update the CEO Steering Group at the next meeting on global air chiefs plans for flying delegates in for COP26.

Summary of Meeting

- The Zero-Emission Flight (ZEF) Infrastructure competition was announced and launched alongside the meeting.
- The Sustainable Aviation Fuels (SAF) and ZEF Delivery Group (DG) two-year plans were presented to the Council which set out the actions and timings that needed to be pursued in the following two years to support delivery of net zero aviation in the UK by 2050.
- The Council received a high-level overview of the forthcoming Jet Zero Consultation.
- The Council received an update on Government's plans for aviation at COP26.

Readout

1. Opening remarks, actions from last meeting and announcement regarding the launch of Zero-Emission Infrastructure competition

The Secretary of State for Transport welcomed members of the Council and thanked them for their continued support in progressing work of the JZC.

Continuing, the Secretary of State for Transport announced the launch of the Zero-Emission Flight Infrastructure competition that would provide funding for businesses and universities to research the adaptation requirements for airports to handle electric and hydrogen aircraft which was a key pledge in the Government's [Ten Point Plan for a Green Industrial Revolution](#).



The Secretary of State for Transport welcomed the progress made since the last meeting, noting the impact of the JZC CEO Emma Gilthorpe, and highlighting how the new governance arrangements - including the CEO Steering Group which met for the first time on 12 May - was providing impetus between JZC meetings, manifesting in the development of the draft SAF & ZEF DG two-year plans.

The Secretary of State for Transport also noted the progress made by the SAF Delivery Group which met 9 times since the last meeting and has been supporting the development of the UK SAF mandate and supply of SAF at COP26. He also informed members that the winners of the Green Fuels, Green Skies competition would be announced shortly.

The Secretary of State for Transport informed the Council that a private LinkedIn Group has been developed for members to boost engagement between meetings and that an invitation will be issued shortly. He encouraged Council members to engage with the group and share relevant information.

2. Jet Zero Council Two-Year Plans

The JZC CEO presented the draft two-year plans for the SAF and ZEF DG's and sought feedback from the Council and Ministers. The plans set out Government and industry actions that needed to be pursued in the following two years to support the delivery of net zero aviation by 2050.

a. SAF Delivery Group Two-Year Plan

The JZC CEO highlighted that the industry view is that a price stability mechanism is key to speeding up the development of SAF and flagged that an industry secondee is expected to support the Department for Transport with this work.

Key discussion points included:

- The Secretary of State for Transport asked the JZC CEO if she thought there were any gaps in the plans and whether there were any challenges to delivery. The JZC CEO said that the UK needed to create an environment which attracts investment to build SAF production plants in the UK. She said that recent investments in the US were supported by policies such as the Californian Low Carbon Fuel Standard and the recently proposed blender's tax credit and was keen to see further policy development that year to secure investments in the UK. Jonathon Counsell, JZC SAF DG Chair said that to attract investment by the end of that year, Government must create a demand signal.
- John Holland-Kaye, Chief Executive Officer, Heathrow said that investors were keen and ready to invest in SAF projects but highlighted that the correct policy framework needed to be in place to give confidence to investors.
- The Secretary of State for Transport queried whether investors should be included in the JZC's structure. The JZC CEO said that an investment firm was represented at the JZC and that investors were also involved in other groups (e.g. the SAF Delivery Group), and she would think about how to connect them further and would consider inviting a representative from the



investment community to the next CEO Steering Group meeting or the next JZC.

b. ZEF Delivery Group Two-Year Plan

The JZC CEO gave an overview of the ZEF two-year plan and invited Gary Elliott, Chief Executive Officer, Aerospace Technology Institute (ATI), which is delivering the FlyZero project, to make further comments. Gary highlighted some of the ZEF investments made through the ATI Programme and flagged that this information is commercially sensitive.

Key discussion points included:

- Johan Lundgren, Chief Executive Officer, easyJet raised concerns over funding for the ATI programme. The Secretary of State for Business, Energy, and Industrial Strategy acknowledged the uncertainty regarding future funding but reminded the Council that Government funding is subject to spending reviews, and recognised that if the next round included a multi-year settlement this would give the sector greater certainty. Johan Lundgren, then stated that he hoped any future spending reviews would support the Council's objectives and work.
- Andrew Griffith MP, UK Net Zero Business Champion said the Council had a great story to tell and asked the JZC CEO to place greater emphasis on communications. The JZC CEO said that Council was focussed on developing the two-year plans and would now focus on developing the narrative for the plans and sharing this story. The JZC CEO highlighted that the private JZC LinkedIn Group would be a good tool to share information between Council members and share updates on progress made in-between meetings and in time, this group could be opened to wider industry and/or the public to share progress more widely.
- The Secretary of State for Transport highlighted, now the policies are in place to deliver, it is right that we match this with an ambitious communications plan.

3. Jet Zero Consultation

Robert Courts MP, Parliamentary Under Secretary of State for Transport gave a high-level overview of the Government's forthcoming consultation. He outlined the overall aim of the approach being consulted on, which is to achieve net zero aviation emissions by 2050 – or 'Jet Zero' - in a way that maintains the benefits of air travel and maximises the opportunities that decarbonisation brings for the UK. Minister Courts informed the Council that the consultation will be launched in the coming weeks and the resulting strategy would be published later that year.

The Secretary of State for BEIS added that we want to sustain the aviation sector and keep people flying and the consultation is not about restricting flights or people's lives.

Key discussion points included:



- Russ Dunn, Chief Technology Officer and Head of Strategy, GKN Aerospace said that the approach outlined by Minister Courts was excellent, simple and clear. He then flagged that customers wanted to see a combination of price flexibility and sustainability and asked if the consultation considered the future market. Minister Courts agreed with these drivers and said that this work will continue to evolve.
- Dr Alicia Greated, Chief Executive Officer, Knowledge Transfer Network (KTN) said the Council should challenge itself to consider innovation in areas beyond technology such as social and behavioural science research and flagged that they are ready to support work in this area. Minister Courts agreed that officials would pick up with KTN on this.
- John Holland-Kaye, Chief Executive Officer, Heathrow called for greater specificity on the price stability mechanism for SAF and flagged the need to work with other countries towards agreeing a long-term global goal for international aviation at the next Assembly of the International Civil Aviation Organization (ICAO). Minister Courts informed the Council that the UK was a leading voice in ICAO and agreed on the need for global co-operation.
- Peter Mather, UK Head of Country and Senior Vice President for Europe, BP said that Minister's overview of the consultation was clear, that they were pleased to be working on the SAF supply to UK airports and were looking forward to contributing to the Jet Zero Consultation.
- Tim Hawkins, Chief Strategy Officer, Manchester Airports Group asked how the Jet Zero Consultation would link to the Aviation Strategy and other aviation policies. Minister Courts said that consultation considers wider aviation policies and that the Government considers decarbonisation issues in everything it does.
- Tim Johnson, Director, Aviation Environment Federation said that he was very pleased to see the inclusion of consumer information in the Jet Zero Consultation and asked if COP26 would be an opportunity to trial methods of information provision, linked to plans for SAF supply at COP26. Jonathon Counsell said that he agreed and the COP26 subgroup would be looking at communications opportunities before and during COP26.

4. COP26 and aviation

Rachel Maclean MP, Parliamentary Under Secretary of State for Transport presented an update on the aviation initiatives for COP26, highlighting that the Government would use COP26 to promote high ambition in the sector, whilst recognising that ICAO was the forum through which greater international ambition should be agreed.

Key discussion points included:

- Andrew Griffith MP, UK Net Zero Business Champion said that COP26 was a great opportunity for UK to showcase its leadership and that the work that has



been done on SAF will contribute to making it the most sustainable UN climate change conference.

- John Holland-Kaye flagged that industry are doing good initiatives too and they would love to showcase an entire net zero journey and advertise and promote COP26 at airports. He advised that the Government should be ambitious in the asks of industry and also highlighted that industry may require Government funding to support the SAF initiatives.
- Sir Mike Wigston KCB CBE ADC said that he had taken inspiration from the JZC and setup a shadow group bringing together Air Chiefs from around the world and would like to update the Council on their plans for COP26.
- Peter Mather noted that BP were able to support the supply of SAF into the UK for COP26.

5. Closing remarks & AOB

The Secretary of State for Business, Energy, and Industrial Strategy thanked the JZC CEO and DG Chairs for their contributions and encouraged Council members to respond to the forthcoming Jet Zero Consultation.