

17 JUNE 2021
10.00 - 12.30 BST ONLINE

Building & Energy • Sustainable Transport • Waste & Recycling

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INNOVATION IN PUBLIC SECTOR SUSTAINABILITY



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WELCOME



INNOVATION IN PUBLIC SECTOR SUSTAINABILITY

Welcome to NetZero GOVERNMENT

Drive forward the public sector strategy

Aiming for net zero represents an increase in the level of ambition from government's previous emissions reduction target. Achieving it is a colossal challenge and significantly more challenging than the government's previous target to reduce emissions by 80% by 2050.

Reaching net zero means all parts of the economy, including those that are harder to decarbonise, such as buildings & facilities, energy, waste & recycling and transport & travel.

We are here to help and ease the uncertainty over how to significantly reduce emissions and achieve net zero in both the public and health sectors.

Today, you will meet our event host Energy UK Policy Executive Yumann Siddiq. Yumann is passionate about the environment and sustainability and uses this to lead the Young Energy Professionals Forum, a free-to-join network to promote the latest generation of energy industry professionals, providing opportunities to collaborate, develop and recognise successes. Yumann's work in the forum focuses on energising young professionals on key topics surrounding net zero and makes transparent the final details of our climate targets as we approach 2030.

Throughout the event, Yumann will introduce you to an excellent line-up of speakers who are more than ready to take your questions - and give the answers you need – in the morning's lively Q&A sessions.

Leading experts from UK100, NHS Properties, Solar Energy UK, Keep Britain Tidy, The Carbon & Energy Fund, Energy Saving Trust and Renewable Energy Association members will all be live online. Their 'how-to, can-do' approach will place you on the path to achieving successful net zero strategies.

But we don't want you to just listen. We want you to take part. Take advantage of the people available to you and post your questions for the live Q&As. Get involved and vote in snap polls, use the chat tab to comment and say hi to net zero colleagues. And don't forget to use your Socials to post vox-pops, comments and offer your insight learned from the event. Simply use @GovBusiness and @HealthBusiness_ #NetZeroGov

It's time to take a fresh approach to achieving net zero.

Enjoy the event.

Rosario Surace,
Assistant Event manager



@GovBusiness @HealthBusiness_ #NetZeroGov #Sustainability

PSi Public Sector
Information

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Our "How To" Guide



This is a quick guide to make sure that you make the most of our event.

If you have not yet registered for the event, then please do so [HERE](#):

Once you have registered, for the event, you will receive a confirmation e-mail with your custom link which is what you need to gain access to the online event.

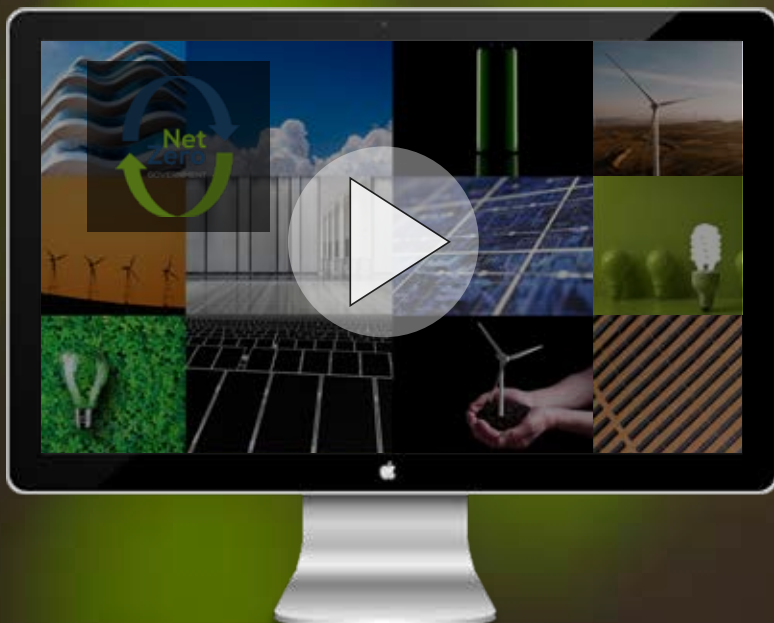
You can enter the online event up to 15 minutes before the scheduled start time and we advise that you do a system check before you enter, by clicking on the system check link, to make sure

your participation is as smooth as possible.

To familiarise yourself with the live event room, and how to take part in the chat, Q&A and polls, you can view a video tutorial [HERE](#).

For the best experience, please, use Google Chrome or Firefox and make sure it is updated to the latest version.

If you have any problems or issues then please e-mail: rosario.surace@psigroupltd.co.uk.





EVENT programme



The event has been put together in a format that requires a little bit of attention from YOU, if you would be so kind...

During the online event you can take part in the peer chat and give us your opinions via live polls, which will pop-up over the course of the event. We ask that any questions you have are kept to the Q&A tab, as this is where the host monitors and picks questions to ask the panel members/experts

NET ZERO Government Programme

10.00	Welcome Yumann Siddiq - Event Host
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Session 1: Overview

10.05	Communicating Climate Change Jason Torrance, Policy Director, UK100
	Driving a Net Zero NHS Nick MacDonald-Smith, Principal Energy and Environment Programme Manager, NHS Properties
	Live Poll
	How We Help LAs Improve Environmental Quality Katherine Armitage, Operations Director, Keep Britain Tidy
	Interactive Q&A 1

Session 2: Buildings & Energy

10.50	Decarbonising using Built Environment Digital Twins Valeria Ferrando, ICL Consultancy, IES
	Live Poll - IES
	Local Opportunities for Solar in Decarbonising Power, Heat & Transport - 2030 and beyond Chris Hewett, MD, Solar Energy UK



EVENT programme



Transitioning to Renewable Energy (case study)

Mark Bramah, Climate Change & Sustainability Project Manager, Renewable Energy Association/ Rochdale Borough Council / Rochdale & the Northern Care Alliance

NHS 2030 & 2040 Roadmap to Net Zero

Stephen Lowndes, Technical Director, The Carbon & Energy Fund

Interactive Q&A 2

Session 3: Sustainable Transport

11.55

How EVs & ULEVs can Move People & Goods in a Smarter, Cleaner Way

Tim Anderson, Group Head of Transport, Energy Saving Trust

Flat & Flush Residential On-Street Charging Hub

Mark Constable, Head of Business Development, Trojan Energy

Live Poll - Trojan Energy

12.30

Round-up & Event Close

Event timings and speakers are subject to change





SPEAKER profiles



JASON TORRANCE

Assistant Chief Executive
UK100



Jason is Assistant Chief Executive for UK100, the only network for UK locally elected leaders who have pledged to play their part in the global effort to avoid the worst impacts of climate change by switching to 100% clean energy by 2050. Jason previously worked at Greenpeace, Sustrans and Campaign for Better Transport, and has also been seconded into the Department for Transport to consult on walking and cycling initiatives. In addition, he has co-chaired a stakeholder advisory group for Highways England.

NICK MACDONALD-SMITH

Principal Energy & Environment
Programme Manager,
NHS Properties



Nick has been working in energy efficiency and sustainability in the built environment for the last 13 years, both in consulting and in-house roles across engineering to property management organisations. Nick's been an accredited Energy Performance Certificate Assessor and BREEAM Commercial Assessor in the past, and has managed portfolio wide certification programmes for EPCs/DECs, Air Conditioning Assessments, BREEAM Certification and other mandatory and non-mandatory reporting requirements. The rise of Big Data and data analytics in the built environment is allowing better understanding of energy use and where the opportunities to drive large savings are in a large and diverse estate.

KATHERINE ARMITAGE

Chief Operating Officer,
Keep Britain Tidy



Keep Britain Tidy is a UK-based independent environmental charity. As COO, Kat leads the organisation campaigns to reduce litter, improve local places and prevent waste. The Keep Britain Tidy Network brings together local authorities with a common goal – to make places better for everyone in the community. The Network celebrates successes, shares best practice, builds relationships and learns and develops together. You too can join the Keep Britain Tidy Network and help raise standards across the sector. Visit www.keepbritaintidy.org for further information.





SPEAKER profiles



VALERIA FERRANDO

Associate Director,
ICL Consultancy, IES



Valeria has 14 years experience in the field of innovation and consultancy projects focussed on sustainability and energy efficiency of the built environment. She graduated at the University of Genova and got her PhD with a thesis on the effects of disorder in the multi-band structure of Magnesium Diboride thin films. Valeria joined the R&D division of IES Ltd in 2013 where she dealt with EU funded research, setting up partnerships and writing proposals. Valeria now leads the consultancy activities and projects that involve the new IES Digital Twinning technology, the Intelligent Community Lifecycle (ICL).



CHRIS HEWETT

Chief Executive,
Solar Energy UK



Chris Hewett joined Solar Energy UK (formerly Solar Trade Association) in 2017 and became Chief Executive in January 2018. He has 25 years' experience in advocacy, policy research, thought leadership and campaigning on a wide variety of sustainability, energy and environmental issues. He was Head of Climate Change for the Environment Agency, providing advice to UK Government on climate change mitigation and adaptation, led successful advocacy for the Green Investment Bank at Green Alliance, global aviation research for the Committee on Climate Change, and major contributions to debate on energy regulation, environmental taxation and low carbon policy at the Institute for Public Policy Research.

Solar Energy UK represents over 240 member companies across the whole value chain in the solar and energy storage industries in the UK.



MARK BRAMAH

Change and Sustainability
Project Manager,
Rochdale Borough Council



Mark is the Climate Change and Sustainability Project Manager for Rochdale Borough Council. His role is to lead on improving sustainability and reducing the borough's carbon footprint to realise health, social, economic and environmental co benefits. He supports the preparation, implementation and monitoring of an overarching sustainability and carbon reduction strategy for the borough of Rochdale as well as ensuring that the Council fulfils its obligations under the Greater Manchester Environment Plan.

Prior to joining Rochdale Council in December 2020, Mark was a management consultant who worked on renewable and sustainable energy projects for local authorities. He also previously worked for the Association for Public Service Excellence (APSE) as the Assistant Chief Executive and was instrumental in setting up 'APSE Energy' a collaboration of over 60 UK local authorities with the aim of remunicipalising energy services and supporting the important role of councils in the energy transition and achieving net zero.

Mark is a member of the Association for Renewable Energy and Clean Technology (REA) and the Town and Country Planning Association (TCPA).





SPEAKER profiles



STEPHEN LOWNDES

Technical Director
Carbon & Energy Fund



Stephen Lowndes
BEng
(Hons)

MSc CEng MCIBSE MEI has many years' experience of energy project design, as well as supporting operational management including carbon and energy management within the public sector that started with NHS projects in the 1980s.

Stephen is a Chartered Engineer and Certified Measurement and Verification Professional and leads the Carbon & Energy Fund technical delivery team, working on all aspects of project feasibility through to construction and operational delivery.

TIM ANDERSON

Group Head of Transport,
Energy Saving Trust



Tim Anderson
joined Energy Saving Trust in

2007 and leads the low carbon transport portfolio. Previously, he was in management roles in the automotive sector including daily rental and managing fleets. Tim is leading the work to address the climate emergency and poor air quality through delivering EST's government funded programmes and commercial projects in the sustainable transport sector. Tim has successfully developed many new partnerships to deliver greater impact to decarbonise transport and deliver cleaner air. His role involves working with the Department for Transport and Transport Scotland along with other key stakeholders in the sustainable travel industry.

MARK CONSTABLE

Head of Business Development
Trojan Energy Ltd



Mark drove his first EV in 2008, and

inside the first minute saw the potential impact eMobility could have on the world. He led the Electric Vehicle product team at EDF Energy early on in the UK market, and recently developed a large-scale Commercial Rapid Charging Hub build programme for Transport for London. Mark joined Trojan in May 2021 as Head of Business Development, leading on marketing, sales and public affairs, at a time when EV uptake is accelerating and meeting the on-street infrastructure challenge becomes ever more urgent.

YUMANN SIDDIQ

Policy Executive, Energy UK
Event Host



Yumann is a Policy Executive at Energy UK where she leads the Young Energy Professionals Forum's Secretariat. Passionate about the environment and sustainability, her work in the Forum focuses on energising young professionals on key topics surrounding net zero. The organisation recognises the key role of the younger generation in implementing the final details of our climate targets as we approach 2050. Yumann also works on the Energy Switch Guarantee, liaising with energy suppliers and stakeholders on consumer engagement and switching behaviour.

Health Business

Business Information for Healthcare Professionals

Government Business

Business Information for Local and Central Government



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PARTNERS



UK 100



UK100 is the only network for UK locally elected leaders who have pledged to play their part in the global effort to avoid the worst impacts of climate change by switching to 100% clean energy by 2050. The most ambitious - our Net Zero Local Leadership Club - are doing everything within their power to get

their communities to Net Zero as soon as possible, and by 2045 at the latest.

To accelerate the transition to this Net Zero society, UK100 brings together local authorities, from cities to the countryside, to share knowledge, collaborate, and petition the UK government with their collective power. Want to become a member? Get in touch at membership@uk100.org.

www.uk100.org

NHS Properties



NHS Property Services is a government-owned company which exists to help the NHS get the most from its estate, and ensure that it is consistently fit for purpose so that healthcare professionals can deliver excellent patient care.

Our portfolio is one of the largest in the UK, comprising more than 3,000 properties with 7,000 tenants across England. At a total value of more than £3bn, this represents about 10% of the

total NHS estate. Our properties range from listed buildings through to state-of-the-art integrated health campuses.

We have unrivalled depth of experience and breadth of skills in every area of property, and our dedicated facilities management teams work on the frontline to keep buildings clean, safe, warm and compliant so every patient can get the care they need in the best place for them.

www.property.nhs.uk

Solar Energy UK



Solar Energy UK represents over 230 member companies operating in the UK energy sector and beyond. Solar energy's exceptional synergies with energy storage, electric vehicles and smart grids means the industry works on the frontline of technology and system

change to deliver net zero carbon emissions.

In partnership with key players across the value-chain, Solar Energy UK is working to treble the UK solar capacity to 40GW by 2030, through research and policy development to drive market growth.

www.solarenergyuk.org

Rochdale Borough Council



Serving 200,000 people in the foothills of the beautiful south Pennines, Rochdale Borough Council is looking to the future and creating one of Greater Manchester's most exciting destinations.

Rochdale's representative for Net Zero GOVERNMENT is Mark Bramagh, a member of the

Renewable Energy Association, which is dedicated to the development and deployment of all renewable energy technologies and sectors. Rochdale was amongst the first-ever industrialised towns and now is working hard to be a better place for shoppers, visitors and businesses – all with net zero in mind.

www.rochdale.gov.uk



PARTNERS



The Carbon & Energy Fund

The Carbon and Energy Fund (CEF) funds, facilitates and project manages complex energy infrastructure upgrades for the NHS and public sector.

With a proven track record of more than 50 projects and in-depth experience of

procurement, engineering, legal and finance, the CEF is the organisation to successfully guide Public Sector clients through the complex processes involved in reaching net zero targets.

www.carbonandenergyfund.net



Keep Britain Tidy

Keep Britain Tidy is a UK-based independent environmental charity that campaigns to reduce litter, improve local places and prevent waste.

The Keep Britain Tidy Network brings together local authorities with a common goal – to make places better for everyone in the community.

The Network celebrates successes, shares best practice, builds relationships and learns and develops together. You can join the Keep Britain Tidy Network and help raise standards across the sector. Visit the website for further information.

www.keepbritaintidy.org



Energy Saving Trust

Energy Saving Trust is an independent organisation dedicated to promoting energy efficiency, low carbon transport and sustainable energy use.

We aim to address the climate emergency and deliver the wider benefits of clean energy as we transition to net zero. We

empower householders to make better choices, deliver transformative programmes for governments and support businesses with strategy, research and assurance – enabling everyone to play their part in building a sustainable future.

www.energysavingtrust.org.uk



Energy UK

Energy UK is the trade association for the energy industry with over 100 members spanning every aspect of the energy sector – from established FTSE 100 companies right through to new, growing suppliers and generators, which now make up over half of our membership.

We represent the diverse nature of the UK's energy industry with our members delivering

over 80% of both the UK's power generation and energy supply for the 28 million UK homes as well as businesses.

The energy industry invests £13bn annually, delivers £31bn in gross value added on top of the £95bn in economic activity through its supply chain and interaction with other sectors, and supports 738,000 jobs in every corner of the country.

www.energy-uk.org.uk



PARTNERS



Renewable Energy Association



REA is a coalition built to be the voice for renewable energy and clean technology in the UK. It is the largest renewable energy and associated clean technology body in the UK, with around 500 member organisations representing every type of renewable energy.

Members comprise generators, project developers, fuel producers and distributors,

equipment manufacturers and distributors, installers and service providers, and range from major multinationals to sole traders. The Association empowers its member companies to build commercially and environmentally sustainable businesses, by providing the latest information on policy updates, sector-specific insights, topical briefings and industry-leading training/events.

www.r-e-a.net

Government Business



The UK Public Sector represents the single largest market in the UK. **Government Business**, now in its 21st year of publication, is published bi-monthly by PSI and deals with the 'business end' of government's requirements. GB's pages contain need-to-know features, news and case studies that explain the commercial issues affecting local and central government.

High priority is given to ensure each issue contains need to know information. Topical contributions are regularly carried from

Government Ministers, Public Sector Analysts, Conference Speakers and Industry Experts on a wide range of subjects that are of specific interest to public sector executives.

The magazine supports several high profile exhibitions - coverage of which is always timed for maximum impact. Topics regularly addressed in GB include Facilities Management, Security, Energy, Transport, Procurement and Money Matters - a regular supplement on public sector finance, insurance and risk management.

www.governmentbusiness.co.uk

Health Business



Health Business contains need-to-know features, news and case studies that explain the administrative and commercial issues affecting healthcare and hospital management.

Health Business supports several high profile

exhibitions - coverage of which is always timed for maximum impact. Regular topics include ICT, Finance/Funding, Facilities Management, Security, Health & Safety, Catering and Energy. Contributors range from government ministers through to top-level health administrators and association chairs.

www.healthbusinessuk.net



SPONSORS



Trojan Energy Ltd

Trojan Energy was formed in 2016 with one mission: to ensure everyone benefits from the energy transition.

With total focus on enabling the switch to eMobility, we developed the Trojan Electric Vehicle Charging System. A system that finally offers an equal chance for EV drivers without a driveway to charge effectively at home, while eliminating residual clutter on the pavement. A system that doesn't require municipal authorities to zone off parking spaces and gives network operators the ability to manage power demand in real time. A system smart enough to offer a convenient way to charge that's green, cheap,

immediate – or a combination of all three – at up to 22kW. A system that delivers flat and flush chargepoints in hubs of fifteen, or single units powered by the home, to leave the streetscape uncluttered for everyone. We want to give drivers the confidence and practicality they need to go electric.

We're going to do our bit for the global effort to reduce carbon emissions and improve air quality by supporting electrification and the transition to renewable energy. We're doing this by addressing the lack of EV charging infrastructure within the urban environment.

We're charging towards Net-Zero.

www.trojanenergyltd.com



IES

Over the last 25+ years IES has built a solid reputation as the leading global innovator in integrated performance-based analysis for the built environment and is home to the largest building analytics team in the world.

We believe that every building of every city in the world can be decarbonised. Our purpose is developing the technology to make that happen. Our ultimate aim is to create a built environment that is resource and energy efficient. Eliminating global reliance on fossil fuels and promoting comfort, health and wellbeing, and fairer access to energy for every citizen in the world.

Our Digital Twin technology facilitates the creation of resource-efficient, healthy and cost-effective built-environments of any size or purpose – supporting citizens, companies, campuses, communities, cities and even countries. Simulating and analysing data to support smarter and more sustainable decision-making.

Our unique software and technology, is supported by expert consultancy. And our dedicated R&D department ensures our analytical tools and industry knowledge stays pioneering and innovative.

www.iesve.com






LET'S CONNECT



We've been active on our socials in the run up to the NetZero GOVERNMENT and now it's your turn!

 **@GovBusiness**

 **@HealthBusiness_**

We would love for you to share your experiences throughout the day. Be sure to tag us in all your posts and use the hashtags below:

#NetZeroGov #NetZero #Sustainability

Make sure you share your experience with our other Partners and Sponsors too.

Partners

UK100 @UK100_

NHS Properties @NHSPROPERTY

Solar Energy UK @SolarEnergyUK_

Rochdale Borough Council @RochdaleCouncil

The Carbon & Energy Fund @TheCEF2017

Keep Britain Tidy @KeepBritainTidy

Energy Saving Trust @EnergySvgTrust

Energy UK @EnergyUKcomms

Renewable Energy Association @REAssociation

Sponsors

Trojan Energy Ltd @TrojanEnergyLtd

IES @IESVE



 **@GovBusiness @HealthBusiness_ #NetZeroGov #Sustainability**

THANK YOU



We would like to say **THANK YOU** to our speakers, partners and sponsors who have contributed greatly to making the **NetZero GOVERNMENT** event a huge success.

Finally, thank you for taking the time out of your busy schedules to join us. We hope you found today helpful and we look forward to welcoming you again at the next **NetZero GOVERNMENT** event.





— INNOVATION IN PUBLIC SECTOR SUSTAINABILITY —