Westminster Energy, Environment & Transport Forum and Westminster *e*Forum conference:
Next steps for AI across the UK energy sector - system management, infrastructure planning and governance
Timing: Morning, Monday ,8th February 2027
*****Taking place online*****

Draft agenda subject to change

8.30 Registration

9.00 **Chair's opening remarks**
Senior Parliamentarian

9.05 ***The Grid We Need Now* review - key recommendations and considerations for policy, governance and implementation**
Lucy Yu, UK Government AI Champion, Clean Energy, Department for Energy Security and Net Zero; and CEO, Centre for Net Zero, Octopus Energy Group
Questions and comments from the floor

9.30 **AI in electricity system operation and planning - applications, commercial factors and flexibility**
the forthcoming AI for Clean Energy Strategy | recommendations of The Grid We Need Now review and responses to the Vision for an AI-enabled clean energy system | experience of AI in forecasting, congestion management and system balancing | evidence and safeguards needed before moving to risk-based operation and planning | use of AI to improve coordination between renewable generation, storage, electric vehicles and distributed assets | assessing operational value and the commercial factors for determining wider use | implications for generators, suppliers and flexibility providers | impacts on system efficiency, security and consumer outcomes
Sam Mathew, Industry Director, Microsoft
Senior representative, renewable energy
Senior representative, flexibility
Senior representative, energy supplier
Questions and comments from the floor

10.20 **Regulation of AI in the energy sector - assessing current arrangements and options for reform**
Senior representative, regulation
Questions and comments from the floor

10.45 **Chair's closing remarks**
Senior Parliamentarian

10.50 Break

11.00 **Chair's opening remarks**
Senior Parliamentarian

11.05 **Next steps for AI deployment in electricity system operation and planning**
Senior representative, network operator
Questions and comments from the floor

11.25 **AI in critical energy infrastructure - operational accountability, risk management and resilience**
scope for AI to take operational decisions and limits on delegated authority | testing, validation and assurance in operational settings | responsibilities of system operators, technology providers and other organisations | explainability for AI decisions, with appropriate audit trails | liability and arrangements for investigating incidents involving third-party systems | cyber security, resilience and reliance on third-party AI services | risks of unintended or reinforcing responses from multiple automated systems | public and industry trust in AI-enabled systems
Senior representative, legal
Senior representative, energy infrastructure operator
Senior representative, cyber security
Questions and comments from the floor

12.05 **AI into routine operation - investment, infrastructure and workforce capability**
the proposed AI for Grid Innovation Delivery hub | data quality, interoperability and energy smart data | assessing the commercial case for AI investment, including costs, risks and expected operational benefits | funding, incentives and treatment of AI spending under price controls | procurement, contractual responsibilities and the ability to change suppliers without excessive costs or disruption | integration with existing operational systems | workforce capability, technical skills and organisational readiness | access to compute and resilient UK-based infrastructure for critical systems | data centre demand, connections reform and the Data Centre Covenant | implications for network capacity and costs for other users
Senior representative, data centre
Senior representative, investment
Senior representative, innovation
Questions and comments from the floor

12.40 **Next steps for the *AI for Clean Energy Strategy* - governance, system change and consumer outcomes**
Senior representative, policy
Questions and comments from the floor

13.05 **Chair's and Westminster Forum Projects closing remarks**
Senior Parliamentarian
Sean Cudmore, Westminster Forum Projects