Westminster Energy, Environment & Transport Forum and Westminster eForum 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
Senior representative, AI technology
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