



Office for Low
Emission Vehicles

Electric Vehicle Energy Taskforce

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Electric Vehicle Forum

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Ofgem is the independent GB energy regulator, working to protect the interests of current and future energy consumers. Our core purpose is to ensure that all consumers can get good value and service from the energy market.

We work to ensure that consumers benefit from:

- **Lower bills** than would otherwise have been the case.
- **Reduced environmental damage** both now and in the future.
- **Improved reliability and safety.**
- **Better quality of service**, appropriate for an essential service.
- **Benefits for society as a whole** including support for those struggling to pay their bills.

As an economic regulator, we favour market solutions where practical, incentive regulation for monopolies, and an approach that seeks to enable innovation and beneficial change while protecting consumers.

Our energy system is in the midst of a **significant transformation**. The growth of EVs, renewable energy and storage form part of these changes. Innovation in both technology and business models are expected and will result in **rapid evolution of our energy system**.



These changes **present both a challenge and an opportunity**. We want to realise the benefits of a more flexible and efficient system, where consumers benefit from an affordable, secure and responsive energy market, while addressing risks relating to future uncertainty.

The Objective

The Electric Vehicle Energy Taskforce was launched in Autumn 2018, with the **objective of making suggestions to Government and industry to ensure that the GB energy system is ready for, and able to facilitate and exploit, the mass take up of electric vehicles.**

Ofgem and the EVET

The EV Energy Taskforce plays a critical role in bringing energy and transport sectors together. We are **committed to inputting into the EV Energy Taskforce** and **listening to suggestions** about how to improve the current arrangements.

This EV Energy Taskforce Stakeholder Group is critical in providing stakeholder input to and dissemination from the EV Energy Taskforce.

EVs are important to help decarbonise transport and achieve climate change goals. We see our role as facilitating these goals, while **ensuring that energy consumers, including vulnerable consumers, are protected.**

There are two broad areas where EVs impact upon on our work.



The impact of EVs on the electricity system and networks

EVs as a source of flexibility

EVs as new demand



Opportunities for consumers and markets

New opportunities for consumers to engage with the market

Innovations can harm consumers if not adequately protected

The EV Energy Taskforce will help inform our work to facilitate rollout of EVs, whilst ensuring that energy consumers are protected.



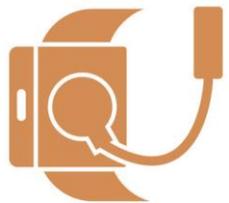
The impact of EVs on the electricity system and networks



Opportunities for consumers and markets

Enhancing markets and price signals to reward flexibility

Encouraging innovation while ensuring consumer protection



Smart chargers



HH Settlement



DNO/DSO transition



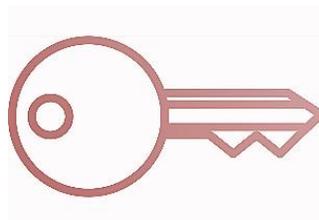
Innovation Link



Future Retail Market Design



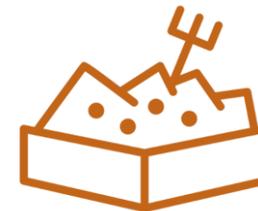
Smart meters



Access reform



Expanding markets



Regulatory sandbox



Supplier Licensing Review

Our core purpose is to ensure that all consumers can get good value and service from the energy market. In support of this we favour market solutions where practical, incentive regulation for monopolies and an approach that seeks to enable innovation and beneficial change whilst protecting consumers.

We will ensure that Ofgem will operate as an efficient organisation, driven by skilled and empowered staff, that will act quickly, predictably and effectively in the consumer interest, based on independent and transparent insight into consumers' experiences and the operation of energy systems and markets.