



cenex



**Lowering your emissions through innovation
in transport and energy infrastructure**

SEVERN TRENT EV PLEDGE



The Challenge

Severn Trent have signed up to the triple carbon pledge of:

- Net zero carbon emissions by 2030
- 100% renewable energy use by 2030
- 100% electric vehicles by 2030 (where suitable models are available)

They gained the independent consultancy services of Cenex to undertake the review, assessment, and validation of their ambition to have a fully electric fleet by 2030.



The Development

- Critical review of their strategy to deliver their 2030 electric vehicle pledge
- Analysis of the fleet to identify, by vehicle type, currently available electric and alternatively fuelled vehicle options that provide both total cost of ownership and emissions savings
- Assess and identify future electric and alternatively fuelled vehicle options, inline with their 2030 target
- Provide an overview of grants and funding available for electric and alternatively fuelled vehicles and charging infrastructure



The Results

- Electric variants were identified for vehicles within Severn Trent's fleet
- Biomethane-powered variants were identified in the short term where electric is not suitable for operational reasons
- Nearly 52,000 tonnes of CO₂ and 80,000 kg of NO_x could be saved through low emission vehicle use
- £5.5 million in cost of ownership savings identified over the life of the vehicles