

A GUIDE FOR LANDOWNERS

DON'T MISS THE ELECTRIC VEHICLE REVOLUTION

HOW IS THE EV MARKET CHANGING?

In early 2020, the Government advanced its target for all new cars and vans to be ultra-low emission, to 2035. Battery Electric Vehicle (BEV) and Plug-in Hybrid Electric Vehicle (PHEV) sales are rising, with a five-fold increase in market share from 2019 to 2020. In order to serve the increase in EVs on the road, a major increase in charging infrastructure is required. Whilst 60-70% of charging is expected to take place at home, 20-30% is likely to occur at the workplace or visitor attractions, and 10% on the road network at electric filling station.

Both grid capacity and demand for each type of site is finite so it is imperative to act fast to gain the 'first mover advantage.'

WHAT ARE THE OPTIONS FOR LANDOWNERS?

There are opportunities for landowners across all charging types:

ROADSIDE (ELECTRIC FILLING STATION)

WORKPLACE AND VISITOR ATTRACTIONS

RESIDENTIAL AND COMMERCIAL DEVELOPMENT

Please see overleaf for more detail on each charging type.

INTERESTED IN EXPLORING OPTIONS?

Our services include:

- Development Consultancy
- Energy Brokerage
- Feasibility
- Grid Consultancy
- Option and Lease Advice
- Planning
- Site Acquisition
- Site Disposal
- Site Promotion
- Valuation
- Wayleave and Easement Advice

For further information on our electric vehicle charging and other energy services, please contact a member of the team or visit carterjonas.co.uk/energy.



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ROADSIDE (ELECTRIC FILLING STATION)

WHAT IS AN ELECTRIC FILLING STATION?

Also known as an electric vehicle forecourt, or EV forecourt, it's a 21st century filling station, offering ultra-rapid charging, with an ability to charge a full vehicle battery from empty within 30 minutes. There will be additional provisions for food and drink, groceries and meetings, as you'd find in a typical motorway service area.

WHAT SITES ARE SUITABLE

- 0.5 - 2.5 acres
- Road frontage
- >20,000 vehicle movements / day
- Close to viable grid connection

HOW COULD I BENEFIT

- Up to £100,000/annum, index linked
- 20-30 year lease term
- Environmental Social Governance

WORKPLACE AND VISITOR ATTRACTIONS

WHAT IS WORKPLACE AND VISITOR ATTRACTION CHARGING?

This type of charging relates to dedicated parking spaces for staff or customers, offering fast or rapid charging, with an ability to charge a full vehicle battery in 1 to 4 hours.

WHAT SITES ARE SUITABLE

- Workplaces with parking for staff, fleet vehicles and visitors. Examples include:
 - Fast food and coffee outlets
 - Hotels
 - Theme parks
 - Supermarkets
 - Offices and Commercial buildings

HOW COULD I BENEFIT

- Between £1,500 and £10,000 / space / annum
- Futureproofing the site for increase in EV sales and Vehicle to Grid
- Staying ahead of competitors
- Satisfying planning conditions
- Attractiveness to customers
- Environmental Social Governance

RESIDENTIAL AND COMMERCIAL DEVELOPMENT

WHAT IS RESIDENTIAL AND COMMERCIAL CHARGING?

These are slower chargers fitted on driveways, residential streets and within commercial property developments, to charge when at home (typically overnight) or at business premises. Local Planning Authorities often require the installation of EV charging within new residential developments. Slow chargers can charge a battery from empty in around 12 hours.

WHAT SITES ARE SUITABLE

- Any residential or commercial property development

HOW COULD I BENEFIT

- Homeowners paying ~14p/kWh for electricity vs ~35p/kWh en-route
- Infrastructure paid for via Grants
- Futureproofing developments for more EVs and Vehicle to Grid
- Staying ahead of competitors
- Satisfying planning conditions
- Attractiveness to customers
- Environmental Social Governance



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