



ETE Select Committee

HCC's Programme of Electric Vehicles and Energy Reduction Initiatives

15 January 2019

**Presentation by
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Property Services**

Energy and Carbon Reduction Programme

- A successful programme commenced in 2010 which is exceeding its targets
- Carbon Management Strategy approved by Cabinet in 2010
- Phase 1 : 20% reduction by 2015 (23% achieved)
- Phase 2 : 40% reduction by 2025 (Achieved early by 2018)

Energy Cost Savings Achieved (For County Council and Schools)

- £30 million total since 2010
- Carbon Tax Charges reduced by £385,000
- Carbon consumption reduced from 54,200 to 32,400 tonnes since 2010

How has this been achieved?

- Reduced number of office buildings (Workstyle Programme)
- Streetlighting modernisation programme
- Boiler Controls and other modern technology
- Photovoltaic roof installations
- Energy Performance Programmes (building improvements)
- Major LED lighting replacement programme

Financial and Skills Strategy

- Up-front capital investment of around £5 million delivering long term revenue savings
- Prioritise programmes that have a sustainable pay-back – around 5 to 7 years
- Take advantage of Government interest free loans – Salix
- Energy purchased in bulk to get best prices
- Property Services specialist team – all funded from the programme investment

Looking Forward

- Further LED lighting programmes
- Further EPP programmes
- Battery Technology testing project
- Schools EPP delivery programme – self-funded and at no cost to them
- Electric Vehicle Charging and Fleet replacement



Property Services and HTM Driving Transition to Electric Vehicles

- Background
- Electric Vehicle Trend
- Vehicle Suitability
- HCC Activity

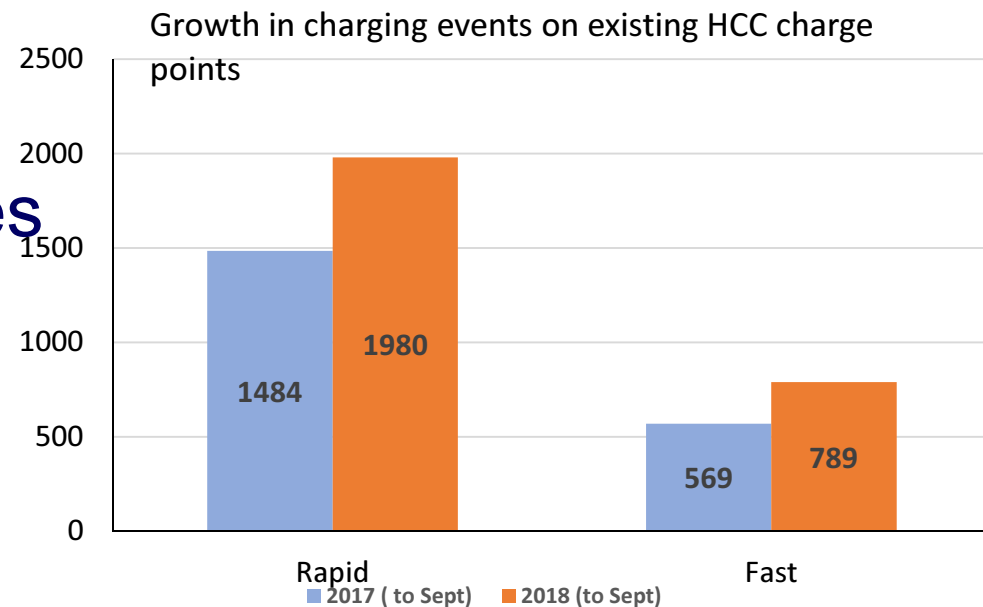
Background

- Government Policy
- Benefit of EV Vehicles
- Existing HCC EV Charge Points
- HCC Existing Vehicle Fleet
- Grey mileage



Electric Vehicles and Charging - Trend

- EV Charging Growth in Hampshire
- ULEV Vehicle Sales
- Public Sector Pressures



Vehicle Suitability

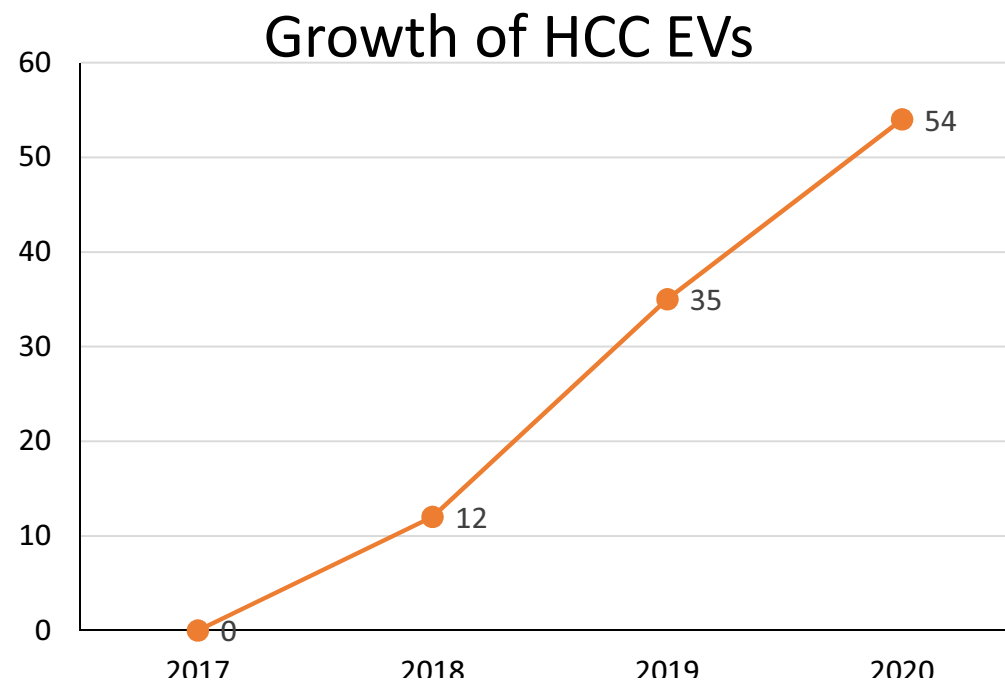
- Journey length
- Business purpose
- Market availability



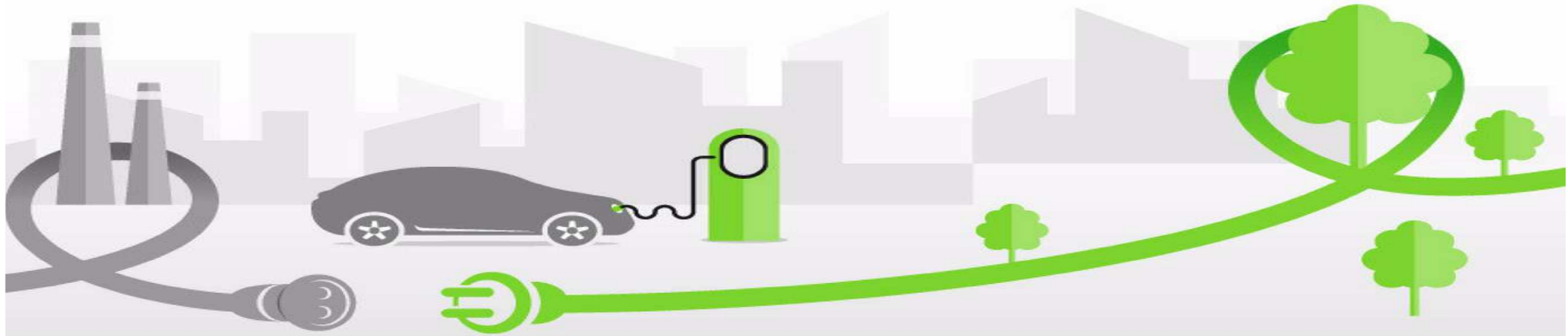
HCC Activity

Hampshire Transport Management - Fleet

- Fleet vehicle transition in progress
- How many vehicles?
- Vehicle replacement programme
- Savings



Central Southern Regional Framework Property Services



- Charging network required
- CSR EV Framework:
 - Feasibility
 - Installation and deployment
 - Service and Management
 - Adoption of existing charging points
- For Fleet, staff and public
- 30 organisations signed up to use it from Devon to East Sussex and up to Oxford, 1 County outside of Framework area willing to use it - Hertfordshire
- Value £27m

EV Charging

- How it works, and who is paying
- Public charging
- Staff
- Initial £4m external supplier funding



- HCC Fleet – chargers in hubs, depots, etc
- EVs currently used by 8 services:

Asbestos Team	Engineering Consultancy
Adults Services	HTM
Countryside	HC3S
ETE Highways	Corporate H&S Team

On-street challenges

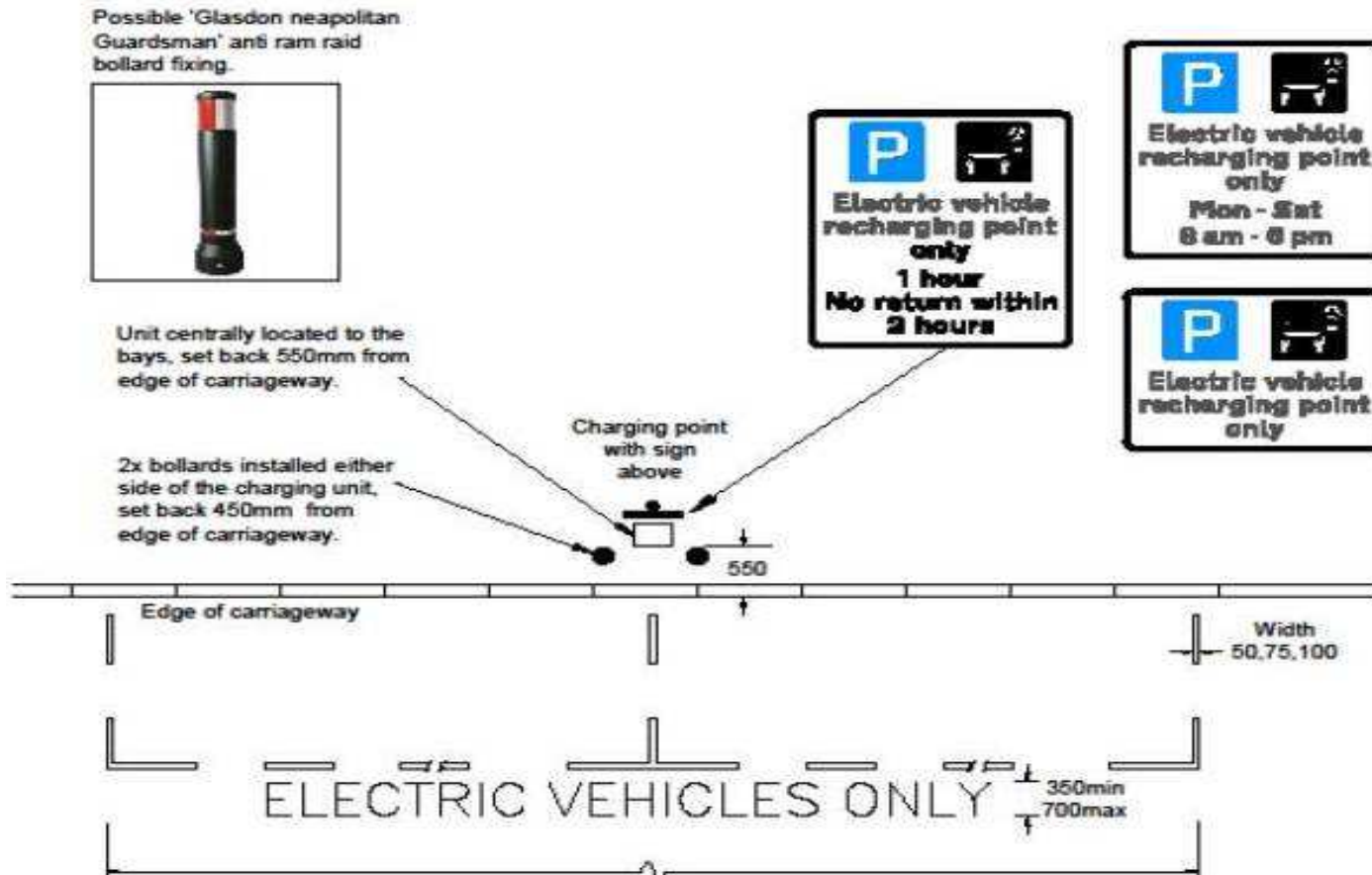
- Parking Spaces
- Signage
- Equipment



- Limitations
- ETE Highways activity

On-street Electric Vehicle Charge Points

Property Services



The Future



**WHO
KNOWS?**