

Committee: Policy, Resources Economic Development Committee	Date: 16th December 2020
Roll out Of Electric Vehicle Chargers in Brentwood Council Car Parks	Wards Affected: All
Report of: G. CAMPBELL	Public
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Summary

This report seeks agreement to move forward with a procurement exercise in order to deliver the Electric Vehicle (EV) Chargers roll out plan for 2021/2022 into Council owned car parks. It also seeks agreement for this programme to include an option for 2025 and 2030.

Recommendation(s)

Members are asked to:

R1. Agree to proceed with a procurement exercise to secure a partner to develop and implement the Council's provision of EV Chargers within Council owned car parks

Main Report

Introduction and Background

This paper sets out a programme to roll out Electric Vehicle (EV) charging points across the Borough within Council owned Car parks following the initial introduction of charging points at the car parks at the Town Hall. The paper provides a modest plan which will be used to drive a procurement exercise early next year 2021.

Issue, Options and Analysis of Options

1. Electric Vehicles are fast becoming an alternative to the petrol vehicle that has been common place in the world for many years. The public view is changing, people are making environmentally considerate decisions to purchase Electric Vehicles (EV's) which is eased by a better choice of electric vehicle, with improved reliability and increased range. This has meant that the choice to

move to an EV is far easier and more appealing than it may have been many years ago.

2. The electric vehicle revolution has according, to some, already started and now the infrastructure needs to be in place to support this direction. This direction has recently been supported by the governments ambition/target to eradicate all purchases of combustion engine vehicle by 2030. A strong statement that truly aligns to going fully electric in the near future
3. Brentwood at present has approximately 10 EV Charging points in the borough which according to forecasts will not be enough when you consider the present volume of EVs in the UK is 282,000 but set to rise to 3,000,000 by 2030. It can therefore be argued that our provision of 8 at the Town Hall will be inadequate for the next 10 years. Therefore, we can agree that the borough is under represented when it comes to charging points. And if we are going to meet our Environmental Corporate Strategy objectives and support the move to cleaner air in the borough and reduce CO² emissions then we need to introduce more EV Chargers at a much faster pace.
4. As part of the initial work into the provision of EV Chargers at the Town Hall the Council engaged with a company who have provided a portfolio for deployment. This included direction as to the number of chargers needed in each of the Council car parks 'now' (2020), 2025 and by 2030. Appendix A provides a summary of this information.
5. In order to manage the long-term roll out, the Council will be concentrating initially to deliver the identified number of chargers as set out for 2020 (filtered grey in the Table in Appendix A. These EV Chargers will be monitored to determine the next phase and when this should be implemented. As part of the procurement process there will be further options for the installer and Council to implement a roll out of EV Chargers based on 2025 and 2030 figures dependent on the take up and use of the EV Chargers in the roll out in 2021.
6. In terms of setting out a plan the Council will also concentrate on those car parks that are not likely to be developed over the next few years. Therefore, an option to provide EV Chargers on William Hunter Way will be included however this will carry a risk which again will need to be carried by the successful tenderer.
7. The information provided by the review indicates a much larger number of EV Chargers than we have presently provided and represents a major development and improvement for the residents of Brentwood. It proposes in 8

Council car parks that a total of 42 fast chargers and 7 rapid chargers are provided.

8. Areas still to be determined include those for William Hunter Way Car Park as this site is likely to be developed in the near future. And the division of charging points between Hunters Avenue and those in Friars Avenue in Shenfield. Further we need to discuss the provision in Ingatestone. This has been discussed with the Parish Council and the final locations of the EV chargers will need to be agreed in the Market Place car park and Bell Mead car park and not the community club as initially proposed which may become part of a future provision.

Provision of Rapid EV Charging Forecourt

9. The Council have also been in contact with a company to discuss the provision of a petrol forecourt style Rapid EV Charging station similar to that created recently in Braintree (See pictures Attached at Appendix B). As part of the ongoing work Brentwood Council will be seeking to identify sites in the Borough that are suitable for such a development and engage with appropriate companies to deliver the said facility. Once a site has been located and it is identified as feasible the Council will again look towards securing a partner through a procurement exercise. Any site will require planning permission before it can be progressed
10. The Braintree model provides rapid charging within 30 minutes and it is something that we see a forecourt in Brentwood replicating.

Funding and Delivery

11. Brentwood Borough Council will seek to engage with a partner through a procurement exercise. The initial contract will be for the provider to deliver the number of EV Chargers identified in Appendix A, Table 1 for provision based on 2020. This will be targeted to be delivered throughout 2021 and early 2022. The Council would seek a profit share basis although there are different models to provide EV Chargers and Brentwood will remain open to all opportunities and suggestions to determine the partner based on what is best for Brentwood. Any profit share will be determined through the procurement exercise
12. The EV chargers would be provided on the basis that the successful tenderer will implement and maintain the chargers free of charge over a reasonable period of time with a profit sharing formula to be agreed by Brentwood Borough Council

13. Funding for the provision of EV Chargers and infrastructure is available through the Office of Low Emission Vehicles (OLEV) and potentially other government grants. Information and implications of this funding should be included in any submission during the procurement exercise.

Power Provision

14. The provision of so many EV points so quickly and with some located in very developed areas means there could be a significant demand on power requirements. As such we are taking steps to hopefully ensure the grid will support our requirements for 2021. This will also consider any need for Way leave's which held up the introduction of the two EV Charging points at the Town Hall. Therefore we hope those seeking to apply will not be required to consider the power arrangement and be aware of any Way Leave agreements that will be required. In this way much of the power requirement will be known prior to the tender process.

Taxis

15. Other Councils are looking to provide EV Chargers for taxis (the Hackney carriage licence holders) or private hire vehicles. In other boroughs this is provided through on-street provision however the Council do not have authority over 'on-street EV Chargers' which in the main is controlled by Essex County Council (ECC). We have been in conversation with ECC to be considered as part of a pilot roll out for on-street parking and we will continue to provide assistance where we can. However, our suggested provision within our car parks increases the number available to the taxi trade, albeit not on street.

16. Next Stage

- Bring together a specification
- Go out to Tender
- Consider responses and financial implication
- Agree and assign winning company including roll out dates
- Implementation throughout 2021 and early 2022

Recommendation

17. It is therefore requested of Members to agree to move forward with a procurement exercise to secure a partner to develop and implement the Council's provision of EV Chargers within Council owned car parks

Reasons for Recommendation

The recommendation supports the Council and governments long term ambition to support the environment and reduce carbon emissions. The decision if agreed creates a challenging roll out plan that commits the Council to delivering EV Chargers over a longer period of time.

This creates a plan that will assist the Council to manage what it decides to develop under the carbon agenda and manage expectations.

Consultation

- Ingatestone Parish Council
- Engaged with EV Charger Providers
- SEPP & NEPP
- Essex County Council

References to Corporate Plan

Protecting our Environment:

- Encourage a clean, safe and environmentally friendly place to live, work and visit
- Support and engage the community to protect the environment
- Introduce innovative carbon reduction and absorption schemes
- Encourage residents and businesses to adapt to reduce their effect on the environment

Implications

Financial Implications

Name/Title: Jacqueline Van Mellaerts, Corporate Director (Finance & Resources) and Section 151 Officer

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Seeking to have EV Chargers supplied free and then on a split revenue between Council and provider over a long term contract to be agreed and negotiated.

There will be a potential loss of revenue if the subsequent contract included some form of free parking however this will not be determined until the procurement exercise is undertaken. The Council currently has an environmental initiatives reserves of £200k which could utilise any one off costs that may come out of the project.

Legal Implications

Name & Title :Amanda Julian, Corporate Governance Solicitor & Deputy Monitoring Officer

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The Government in the spending review allocated £90 million to fund local electric vehicle (EV) charging infrastructure to support the roll out of larger on-street charging schemes and rapid hubs in England.

The Council is committed to achieve lower emissions and have a cleaner/greener Borough.

In order to facilitate this aim the Council will ensure that all legal agreements prepared with appropriate heads of terms.

Economic Implications

Name/Title: Phil Drane, Corporate Director (Planning & Economy)

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It is important that Brentwood Borough keep pace with changes in demand for local infrastructure. The recommendation will help to achieve this regarding electric vehicle infrastructure, for which there will be economic benefits as the borough will become a more desirable destination for shoppers and businesses.

Other Implications (where significant) – i.e. Health and Safety, Asset Management, Equality and Diversity, Risk Management, Section 17 – Crime & Disorder, Sustainability, ICT.

Background Papers

Background Feasibility study

Appendices to this report

Appendix A – Forecast of EV Chargers Table

