

	<p><b>ACTION TAKEN UNDER DELEGATED POWERS BY OFFICER 26 June 2015</b></p>
<p style="text-align: right;"><b>Title</b></p>	<p><b>Electric Vehicles Charge Points (EVCPs)</b></p>
<p style="text-align: right;"><b>Report of</b></p>	<p>Commissioning Director for Environment</p>
<p style="text-align: right;"><b>Wards</b></p>	<p>All</p>
<p style="text-align: right;"><b>Status</b></p>	<p>Public</p>
<p style="text-align: right;"><b>Enclosures</b></p>	<p>Appendix A-Location of Proposed EVCPs. Appendix B-Charging Station Location of Proposed EVCPs.</p>
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### Summary

This report seeks Council authorisation to install the first electric vehicle charge points in the Borough and to join the Source London Scheme

### Decisions

1. That the eight electric vehicle charge points as shown in Appendix A be approved in the order of the available budget.
  
2. That approval be given for the London Borough of Barnet to join the Source London Scheme, subject to the legal agreement being approved by HB Law.

#### 1. WHY THIS REPORT IS NEEDED

- 1.1 This report is needed to provide the appropriate Council authorisation to install the eight electric vehicles charge points in the Borough and for the Council to join the Source London Scheme. The proposed locations are shown in Appendix A of this report.

## **2. REASONS FOR DECISIONS**

- 2.1 The decision is required to facilitate the installation and initial operation of the first electric vehicles charge points on the public highway.

## **3. ALTERNATIVE OPTIONS CONSIDERED AND REJECTED**

- 3.1 The alternative option of installing electric vehicles charge points without joining the Source London Scheme has been considered but this would create several problems, including a future maintenance problem for these charge points for the Council.

## **4. POST DECISION IMPLEMENTATION**

- 4.1 Once the decision has been approved, then officers will implement the installation of the electric vehicles charge points using the Council's Street Lighting PFI contractor. Officers will ensure that the implementation is done in accordance with the Council's Contract Procedure Rules.
- 4.2 In parallel, officers will instruct HB Law to liaise with Bluepoint to prepare and sign the Source London Partnership Agreement.

## **5. IMPLICATIONS OF DECISION**

### **5.1 Corporate Priorities and Performance**

- 5.1.1 The council's Corporate plan 2013-2016 sets out the direction and strategy for moving ahead, focusing on our three main priority areas:

- promote responsible growth, development and success across the borough
- support families and individuals that need it- promoting independence, learning and well-being
- improve the satisfaction of residents and businesses with the London Borough of Barnet as a place to live, work and study.

The proposed EVCPs will contribute directly to all three Corporate Objectives of the Council by:

- promoting a green infrastructure facility that will bring significant air quality improvements and encourage development and success across the borough;
- support households that have or are considering purchasing electric vehicles; and

- improving the environment of the town centers and make the London Borough of Barnet a more attractive place to live and work.

5.1.1 Furthermore the proposed EVCPs will help to meet the aims and priorities of the Health and Wellbeing Strategy by improving the air quality and helping the residents to keep well and independent.

## 5.2 **Resources (Finance & Value for Money, Procurement, Staffing, IT, Property, Sustainability)**

5.2.1 The requirement to purchase from Bluepoint the eight charging station units at a cost of £24,900.00 was not identified on the Procurement Forward Plan and, as it exceeds £10,000, an authorisation to proceed with procurement is required. The Contract Procedure Rules, Appendix 1 Table A, requires a Full Officer DPR. This report seeks this authority and the detail below covers the requirement and costs involved.

5.2.2 As most of the work involved in installing the EVCPs is outside the scope of the PFI contract, and in agreement with the Council's Procurement Rules, Council officers sought quotations from two suitable contractors, the Barnet Street Lighting (BSL) contractor and SSE Contracting Services to implement the installation. SSE has been working in London recently installing EVCPs for Bluepoint. Unfortunately, SSE failed to submit a quotation; however officers have checked and confirmed that the BSL submission meets Barnet's minimum requirements. In accordance with the Council's Procurement Rules, an agreement for a single tender action has been sought and obtained from the Council's Commercial and Customer Services Director. It is worth mentioning here that the Street Lighting PFI contractor has confirmed that some of the work involved in installing the evcps is actually within the scope of the PFI Contract and the same PFI rates have been used for this work in pricing his quotation. Furthermore, the street lighting columns and infrastructure are to be utilised to obtain electricity supply to all proposed EVCPs.

5.2.3 In an effort to encourage the uptake of electric vehicles and improve air quality, the GLA Mayor has appointed a French company "Bollere", now called "Bluepoint London Limited", to provide up to 6,000 charge points and run a car sharing scheme, in the London area by 2018. Bluepoint will be installing and maintaining EVCPs in the London Borough of Barnet free of charge and there is therefore a solid case for Barnet joining in the scheme. Bluepoint will also consult with Barnet and obtain its agreement before installing any EVCPs in the borough. Other benefits of joining the scheme include having a uniform specification for all EVCPs London-wide, delivering one system with a single point of contact for the Borough and all electric vehicle users. Additionally, the Council will receive an annual revenue payment from Bluepoint for its own charge points. It is anticipated that all London Boroughs will join the Source London Scheme.

5.2.4 There is an allocation of £50,000.00 in the Council's Local Implementation Plan (LIP) for the financial year 2014/15 for the installation of EVCPs. A

similar amount has been allocated for the next financial year 2015/16, which will be sufficient to pay for the installation of all eight charge points.

5.2.4 The Council's LIP set out how the Boroughs will deliver better transport in their area, in the context of the Mayor's Transport Strategy (MTS). All Boroughs are strongly encouraged to consider air quality issues in producing their 2014/15 to 2016/17 LIP Delivery Plans, both in terms of the prioritisation of specific locations for action, as well as the particular actions. Relevant activities include installation of electric vehicle charging spaces. Additional support is available through the Mayor Air Quality Fund (MAQF) to all London Boroughs that are determined to make a difference and implement innovative transport related air quality measures. Barnet has received a total allocation of £17,500.00 from the MAQF to execute an air quality project and agreed to the Council's proposal to spend this allocation installing EV charge points on Lodge Lane car park. This has been match funded with our LIP budget for that period.

5.2.5 The total available budget for 2014/15 is therefore £67,500. Following the location of EVCPs suggested by residents, officers have visited these locations with the Council's Street Lighting PFI contactor and representatives of Bluepoint, and identified suitable car parking bays for the installation of EVCPs. Consequently, the quotation received takes into account the installation of these EVCPs to the Bluepoint specification, availability of the nearest electricity supply, BT communications lines and other site specific data affecting cost. The quotation received is as follows:

Location	Quotation
Lodge Lane Car Park	£11,875.00
Finchley Road-Temple Fortune Area, adjacent to M & S	£11, 875.00
East Finchley High Road-North of Lincoln Road	£11,875.00
Bunns Lane Car Park	£11,875.00
<b>Total</b>	<b>£47,500.00</b>

Note: BSL, the proposed contractor, has confirmed the same price of £11,875.00 would apply to each of up to two locations selected by the Borough in the future.

The above costs are based on two charging stations at each location but do not include the supply of the 8 EVCP units and the four feeder pillars, which will be provided by IER SAS - Groupe BOLLLORE, the parent company of Bluepoint at a cost of £24,900.00. Also, the BT costs are awaited and consequently are not included at this stage. In addition to the above direct contractor's costs the Council will incur other additional costs in installing road markings, signs and other associated costs, estimated at about £5,000.00. It is therefore proposed that any additional 2015/16 EVCPs funding be used to supplement the shortfall in the 2014/15 budget.

- 5.2.5 The above cost is based on using the IER 986 charging station, which has been adopted by Bluepoint for the London area, with one single phase feeder pillar feeding two charging stations. Each charge point will be equipped with both a wireline communication with BT broadband connection and a wireless communication with Telephonica 3G network. These units would use a "7KW Medium Charge Unit" which could charge two vehicles, from 20% to 80%, in 1 hour and 30 minutes. In an ideal ambient temperature and battery temperature this time can be reduced to around one hour. The "50KW Rapid Charge Units" have also been considered; these units would reduce the charge time to 30-40 minutes albeit increasing the cost substantially as a result of the need to have three-phase circuits installed, instead of the single phase circuit for the 7KW solution. It has been estimated that using 50KW Rapid Charge Units would increase the cost to £195,621.98 and makes this consideration unaffordable.
- 5.2.6 All the above charging stations would be equipped with a socket as well as a charging cable with a cable winder. At each location there will be a feeder pillar adjacent to and feeding both charging stations. Details of the features and dimensions of the charging station IER 986 are included in Appendix B of this report.
- 5.2.7 In order to maximise the investment into EVCPs, it is proposed that parking in all parking bays covered by charging stations is limited to a maximum of 1 hour and 30 minutes. This would also encourage parking turnaround and help the traders at the above four town centres. After consultation with the Parking Team, it was agreed that the pay and display charges in all parking bays will remain in place.
- 5.2.8 It is proposed that the above EVCPs would be used initially free of charge. The Council will pay for the energy used through the Street Lighting electricity account. This is so that the use of electric vehicles is encouraged which in turn would bring additional environmental benefits to the Council. This is also in line with a lot of London Boroughs offering their residents free use of EVCPs. All the EVCPs will be equipped with a 3G modem to enable communications with a highly sophisticated back office of the Source London Scheme. In addition, the hardware and software facilities will enable a "Pay as You Go" system, which can be adopted in the future.
- 5.2.9 Bluepoint will be compensating the Council for the exclusive usage of the charging stations and the loss of eight parking bays. This payment is £400 per year for the on street bays and £200 per year for the off street bays. This makes a total revenue of £2,400.00 per year. In addition, any on-going maintenance of the EVCPs would be provided by Bluepoint under the Source London Scheme, free of charge.

### **5.3 Legal and Constitutional References**

- 5.3.1 The council has statutory powers to join the Source London Scheme and to install EVCPs under section 2 of the local Government Act 2000 and Part VIIA

of the Highways Act 1980.

## **5.4 Risk Management**

**5.4.3** The proposed electrical charging stations have been carefully designed with comprehensive electrical protection to ensure user safety and they meet all relevant protection standards, such as the IEC 62196 MODE 4 and IP54, whilst they use user friendly interface. There is therefore very little risk to users or the general public.

**5.4.4** The risk of the Council exposed to significant energy bills under this scheme is mitigated by the installation of hardware and software facilities which will enable a switch to “Pay as You Go” relatively easily and quickly at any time in the future. Once the Council joins the Source London Scheme all energy costs will be borne by Bluepoint.

## **5.5 Equalities and Diversity**

**5.5.1** The 2010 Equality Act outlines the provisions of the Public Sector Equalities Duty which requires Public Bodies to have due regard to the need to:

- eliminate unlawful discrimination, harassment and victimisation and other conduct prohibited by the Equality Act 2010
- advance equality of opportunity between people from different groups
- foster good relations between people from different groups.

**5.5.3** The proposed electric vehicle charge points will give equal opportunities to the group of people that own electric cars and make it easier for them to run electric cars. This in turn will bring great environmental benefits to the whole of the community.

## **5.6 Consultation and Engagement**

**5.6.3** The Council invited residents to suggest locations for electric vehicles charge points in the Borough and the following locations have been requested by residents:

Lodge Lane Car Park, North Finchley  
Bunns lane Car park  
Finchley Road, Temple Fortune Area  
East Finchley-near the Phoenix Cinema  
A1 Falloden Way  
Brent Cross Shopping Centre.

In addition, the Council received numerous requests, via mainly telephone and e mails, for EVCPs which centred at the above locations. There were also a few requests for EVCPs at residential roads which officers explained could not be progressed, given the limited available budget.

**5.6.4** There are several private electric charge points in the Borough, where vehicle charging is also offered free of charge, although parking and other charges may apply. The locations are:

London Underground car park in High Barnet.

All Waitrose Stores in the Borough.  
Brent South Retail Park Colindale.  
Jemca Garage on A5.

In addition, under a planning condition of the Brent Cross Development, additional EVCPs are to be installed as part of this development.

## **6 BACKGROUND PAPERS**

- 6.2 There have been no relevant previous Council decisions associated with EVCPs.

## **7. DECISION TAKER'S STATEMENT**

- 7.1 *I have the required powers to make the decision documented in this report. I am responsible for the report's content and am satisfied that all relevant advice has been sought in the preparation of this report and that it is compliant with the decision making framework of the organisation which includes Constitution, Scheme of Delegation, Budget and Policy Framework and Legal issues including Equalities obligations.*

## **8. OFFICER'S DECISION**

**I authorise the following action**

8.1

**Signed**                    Commissioning Director for Environment

**Date**                      26 June 2015

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