

Report to: **Overview and Scrutiny**
Date: **3 May 2018**
Title: **Feasibility of Installing Electric Car
Charging Points in the Council's Public Car
Parks**
Portfolio Area: **Cllr Keith Wingate, Strategy and
Commissioning**
Wards Affected: **All**
Relevant Scrutiny Committee: None

Urgent Decision: **N** Approval and clearance obtained: **Y**

Date next steps can be taken: After Full Council

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Recommendations:

That Overview and Scrutiny Panel RECOMMEND to the Executive to RECOMMEND to Council that the proposed strategy for the installation of an electric vehicle charging network in Council car parks be endorsed.

1. Executive summary

- 1.1 The Council resolved on the 14th December 2017 to undertake a feasibility study into the installation of electric vehicle charging points in the Council's car parks.
- 1.2 Soon after this resolution was made, Devon County Council contacted the Council to invite them to join the DEvon Low carbon Energy & Transport Technology Innovator (DELETTI) project.
- 1.3 DELETTI seeks to accelerate the uptake of Ultra Low Emission Vehicles and Zero through providing additional and improved charging infrastructure.
- 1.4 Funding for the project was being sought from the European Development Fund and, having been successful at initial stages, officers consider that now is a good time to proceed with this project.
- 1.5 The project is backed by Devon County Council, Energy Savings Trust, Exeter University, Royal Devon and Exeter Hospitals Trust, Exeter City Council, East Devon District Council, Teignbridge District Council, Torridge District Council, West Devon and South Hams.

2. Background

- 2.1 Following the resolution by the Council to undertake a feasibility study into the installation of electric vehicle charging points (EVCP) in the Council's car parks, an officer group was formed of officers from Assets, Commercial Services, and Environmental Health.
- 2.2 The group was tasked with identifying which car parks should be focussed on to derive initial costings for the installation of EVCP, it was determined that the following list of car parks would be the focus of the group;
 - i. Totnes – Nursery Car Park, Leechwell Lane, Totnes
 - ii. Dartmouth – Mayors Avenue Car Park
 - iii. Salcombe – Creek Car Park
 - iv. Ivybridge – Leonards Road
Kingsbridge – Quay Car Park or Fore Street Car Park.
- 2.3 This list of car parks were initially sent to PodPoint who installed the EVCP at Follaton House, for a rough costing and options appraisal on types of charging points (voltages, wattage etc.). No response has so far been received, although due to other opportunities arising no charging has so far been carried out. There was no agreement in place between ourselves and PodPoint to supply further units.
- 2.4 In January 2018 Devon County Council contacted the Council to determine whether they would be interested in joining the

DELETTI Project. As the project had similar goals to the feasibility study it was determined to consider this project.

- 2.5 The DEvon Low carbon Energy & Transport Technology Innovator (DELETTI) aims to accelerate the uptake of Ultra Low Emission Vehicles (ULEV) through providing additional and improved charging infrastructure and funding for integrating ULEVs into vehicle fleets in the Devon area. The project will also demonstrate the use of solar carports and energy storage to deliver a low carbon ULEV charging point infrastructure and stimulate further decarbonisation of the electricity grid. The programme is a partnership between Devon County Council and the Energy Saving Trust and with the support East Devon District Council, Exeter City Council, Royal Devon & Exeter Hospital Foundation Trust, Teignbridge District Council, Torrington District Council, and the University of Exeter.
- 2.6 Devon County Council are working to secure European Regional Development Fund support for the activities and has successfully reached the second round of bidding. They are now working on the Full Application which will be submitted shortly and, if successful, the project would start in September 2018 with installations in late 2019. At this time DCC are confident that the bid will be successful.
- 2.7 The programme has the aims to utilise the funding to offer South Hams Council an electric vehicle charging point operator procured by Devon County Council to deliver:-
- 22kW> dual charge points
 - High levels of interoperability (no membership fee, payment using contactless technology)
 - All design, build, operate and maintain costs covered by Contractor for period of the lease (this includes any grid charges or on-going electricity supply)
 - Potential for rental income from Contractor (although this will be subject to negotiation and part of the tendering undertaken by DCC.)
 - Bay lighting and CCTV to ensure safety of users
 - Number-plate recognition to ensure bay is only used by electric vehicles
 - Charge point supplied with low/zero carbon energy, potentially from bays own solar carport; this would be subject to planning and further feasibility studies.
 - Some control over the cost to the consumer of charging
 - Establishment of a framework by which the Council can make further fully compliant installations at a later date.
- It is recognised that this is not detailed at this time and will need further joint working on with Devon County Council should the funding bid be successful.

- 2.8 For each dual charge point the contract will require the council to make a £4,000 contribution to costs which will be supported by ERDF monies. There will be no charge by Devon County Council for utilising their procurement framework.

3. Outcomes/outputs

- 3.1 It is proposed that the Council will support the DELETTI project to deliver 2 electric vehicle charging bays at each of the car parks identified above at a cost of £20,000 for the district.
- 3.2 It is recognised that by supporting the uptake of ultra-low emission vehicles will have a positive benefit on air quality, and is in general support of the proposals within the Council's Draft Clean Air Strategy. There are also likely to be benefits to the tourist economy and locals who have already switched to electric vehicles.

4. Proposed Way Forward

- 4.1 At this time it is proposed that we will seek to install 22kw charging points at these car parks, however depending upon the final procurement framework it may be possible at minimal additional cost to upgrade to higher charging capacity and flexibility on this decision should rest with the Asset lead.

A higher capacity unit has the ability to charge cars faster which may help with turnover of spaces, however higher charging capacities require greater infrastructure up front.

- 4.2 The total cost of this project is estimated based upon the figures provided by Devon County Council will be £20,000. However until the procurement framework is completed we will unable to determine the exact costings.
- 4.3 It is proposed that the funding for the project be resourced through the setting up of an Air Quality reserve from funds made available from work carried out in regards to the monitoring of air quality at Langage, of which there is £28,909.64 of monies available.
- 4.4 Therefore Overview and Scrutiny is asked to endorse this strategy to Executive, and that they recommend that a reserve is established to fund this work as described above.
- 4.5 That authority to spend money from this reserve is delegated to the Asset Community of Practice Lead for the purpose of establishing an EVCP network across the Council's Car Parks.

5. Implications

Implications	Relevant to proposals Y/N	Details and proposed measures to address
Legal/Governance		No legal implications at this time, contractual issues should the project develop.
Financial		Permission needed to set up a reserve.
Risk		None foreseen at this time.
Comprehensive Impact Assessment Implications		
Equality and Diversity		None foreseen
Safeguarding		None Foreseen
Community Safety, Crime and Disorder		None Foreseen
Health, Safety and Wellbeing		None Foreseen
Other implications		None Foreseen

Supporting Information

Appendices:

None

Background Papers:

Draft Air Quality Strategy for South Hams and West Devon