

**Chairperson and Community Board Members**  
PARAPARAUMU/RAUMATI COMMUNITY BOARD

23 OCTOBER 2018

Meeting Status: **Public**

Purpose of Report: For Decision

## **ELECTRIC VEHICLE CHARGER FOR RAUMATI BEACH**

### **PURPOSE OF REPORT**

- 1 This report seeks the Paraparaumu Raumati Community Board's endorsement for the installation of an Electric Vehicle Fast Charger (50 kW DC) in the Raumati Road carpark.
- 2 To promote the use of the Electric Vehicle Fast Charger the report also seeks endorsement for changes to current parking designations to 'Electric Vehicle Only' parking with a time restriction of P60.

### **DELEGATION**

The Paraparaumu Raumati Community Board has the delegated authority to consider this matter under Part D of the Governance Structure and Delegations:

*"Authority to approve or reject officer recommendations relating to **traffic control and signage matters** for existing local roads, except those matters that involve significant safety issues. Community Boards will be consulted about these matters but final delegation will rest with Council officers."*

### **BACKGROUND**

- 3 The 'Horowhenua and Kāpiti Electric Roads' project is a partnership between Electra, ChargeNet, Horowhenua Council and Kāpiti Coast District Council, with funding from the Energy Efficiency Conservation Authority's (EECA) Low Emission Vehicle Contestable Fund (LEVCF) to install nine EV Fast Chargers in five strategic locations in Kāpiti and Horowhenua.
- 4 The project aims to support a transition to low emission transport options by strengthening the nationwide recharging network and encouraging the uptake of Electric Vehicles (EVs) within Horowhenua and Kāpiti districts. It supports business, private drivers and passengers of EV's to easily reach destinations in Horowhenua and Kāpiti. (see Appendix 1 for more details of this project and partnership).
- 5 Five fast chargers are to be installed in communities around Kāpiti, the proposed sites are:
  - Paekākāriki
  - Raumati Beach
  - Paraparaumu Coastlands (x2)
  - Waikanae or Waikanae Beach

## ISSUES AND OPTIONS

### Issues

- 6 A 50kW DC Fast Tritium Veefil EV Charger offers a conveniently short charging times - an 80% battery charge can be achieved in 20-60mins depending on the make and model of electric vehicle.
- 7 The site for a fast charger requires an adequate power supply, lighting and perpendicular parks to be safely accessible to all EV's (some vehicle models have the charger at the back of the car and need to reverse into the park). A location that is close to local businesses and amenities benefits both EV drivers and local businesses.
- 8 A P60 'EV only' parking restriction is recommended to enable optimum use of the charger. Two designated P60 'EV only' parks are recommended so that when the charger is in use another EV driver can 'queue' to use it.
- 9 The Raumati Road car park has been assessed as an appropriate site for the charger.
- 10 The project is due to be completed by April 2019, see Appendix 1 for more timeline detail.

### Options

- 11 This report proposes two options for parking restrictions for the EV charger at the Raumati Road car park.

#### Option 1

- 12 Assign two 'P60', 'EV only' parks. This option enables a second park to be available for queuing while the charger is in use. This is the recommended option as it enables the charger to be fully utilised.

#### Option 2

- 13 Assign one 'P60', 'EV only' park. This option results in just one reduction in parks available for non-electric vehicle users rather than two as outlined in Option 1.

## CONSIDERATIONS

### Legal considerations

- 14 The Council's legal counsel have confirmed that there are no legal considerations.
- 15 The signage and road-marking used are in accordance with New Zealand Transport Agency (NZTA) guidelines. NZTA have gazetted standard symbols for EV charging and parking and these will be used.

### Financial considerations

- 16 The 50kW DC charger infrastructure, installation, subsequent signage and road marking costs are covered by the 'Horowhenua and Kāpiti Electric Roads' partnership.

- 17 The Council is contributing \$40,000 to the ‘Horowhenua and Kāpiti Electric Roads’ partnership has been allocated from Strategy and Planning. There are sufficient funds to support this initiative within the Council’s Environmental Sustainability budget.

**Tāngata whenua considerations**

- 18 There are no known issues relating to iwi or the Treaty of Waitangi.

**SIGNIFICANCE AND ENGAGEMENT**

**Consultation already undertaken**

- 19 An email informing Council’s intention to submit a proposal to the EECA Low Emission Vehicle Contestable Fund was sent to all Community Board members on March 19th 2018.
- 20 An initial announcement of successful Low Emission Vehicle Funding (LEVF) applications was announced by EECA on August 7th. Following this announcement, a notice was put out in the Elected Members Bulletin available to community board members.
- 21 A presentation about the project and options for sites was given to the Paraparaumu Raumati Community Board on 29 August 2018.
- 22 Businesses in the Raumati shopping area will be advised about the charger being installed.
- 23 Once the chargers are in place further publicity will occur through the Council’s media channels to promote their placement and uptake.

**RECOMMENDATIONS**

- 24 That the Paraparaumu Ramati Community Board recommends to Council to change the parking designation of two carparks to P60 ‘EV only’ parks, to promote use of the Charging station.

<b>Report prepared by</b>	<b>Approved for submission</b>	<b>Approved for submission</b>
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**ATTACHMENTS**

- Appendix 1: ‘Horowhenua and Kāpiti Electric Roads’ cost and timeline  
 Appendix 2 (a): proposed sites for EV parks  
 Appendix 2 (b): signage and charger visualisation

## Appendix 1 *Horowhenua and Kāpiti Electric Roads project*

The total value of this project is \$545,000; this includes a \$40,000 contribution by the Kāpiti Coast District Council, the table below outlines funding contributions from organisations and co-funding from EECA.

Organisation	Contribution	Overall percentage
Electra (Project Lead)	\$80,000	14.7%
Kāpiti Coast District Council	\$40,000	7.3%
Horowhenua District Council	\$40,000	7.3%
ChargeNet NZ	\$130,000	25.7%
<b>SUBTOTAL</b>	<b>\$300,000</b>	<b>55.0%</b>
EECA Co-funding	\$245,000	45.0%
<b>GRAND TOTAL</b>	<b>\$545,000</b>	<b>100.0%</b>

### Timeline

#### First 90 days (August – October 2018)

- a. locations selected, and formal community consultation
- b. electricity connections requested
- c. EV Charger Units ordered
- d. branding of units arranged
- e. detailed site plans drawn up

#### Following 90 days (November 2018 – January 2019)

- a. electricity connections arranged
- b. charging units and associated gear delivered on site and installed (civil works and electrical works)
- c. electrical testing, inspection, and liveness
- d. location added to Charge Net NZ billing network and public maps

#### Subsequent 90 days (February – April 2019)

- a. promotion and public launch of sites (Facebook and local newspaper media release)
- b. contingency for installation in case of unforeseen delays

### Further information:

<https://www.kapiticoast.govt.nz/Our-District/on-to-it/sustainable-communities/the-future-just-got-more-electric/>

Appendix 2 (a): **Proposed sites:**

Raumati Road carpark



Appendix 2(b)

Signage and charger

