PROPOSED TRAFFIC RESOLUTION

Absolutely Positively Wellington City Council
Me Heke Ki Pōneke

Reference: TR 64 – 17

Location: 5 Ganges Road, Khandallah

Proposal: Electric Vehicle Charging Station, P120 Maximum, at all times.

Information:

Summary

Wellington City Council (WCC) is seeking to promote both electric vehicle (EV) charging and car sharing to improve the greenhouse emissions of the city through travel demand management and shifting to non-fossil fuels. By making parking bays available free to both car sharing providers and offering support for electric vehicle charging infrastructure providers, Wellington City Council aims to enhance sustainable outcomes for the city and improve the transport mix. Currently it is proposed that 37 spaces be allocated being:

- 21 parking spaces will be for electric vehicle car sharing;
- 10 parking spaces will be for medium speed EV chargers;
- 3 parking spaces will be for fast EV charging;
- 3 parking spaces will be for traditional car sharing.

By introducing this mix of parking for fast and medium EV charging and car sharing – all with the council's highly valued private sector partners, Wellington City Council seeks to enhance liveability and sustainability in Wellington City.

Background

In June 2016, Wellington City Council adopted the Low Carbon Capital Plan which outlined a pathway to reduce carbon emissions by 80% by 2050.

The Low Carbon Capital Plan focuses on three pillars of climate change action: greening Wellington's growth, transforming the Capital's transport use and for Council to lead by example, partnering with organisations to fund more sustainable and environmentally-responsive ways of operating.

In an effort to change the way we move, WCC is committed to making it easier for Wellington City residents to either not own a personal vehicle, or to own personal vehicles which operate on sustainable alternatives to fossil fuels.

Mobile emissions make up the largest segment of Wellington City's emissions profile. Having a high-quality diverse transport system is key to Wellington's economic, environmental and social success as well as meeting the city's climate change targets.

In order to make sure the city is on track to achieve this, the following measures have been outlined in the 2016-2018 implementation plan:

- Support car-share schemes
- Promote electric vehicle uptake, including providing electric vehicle charging stations
- Invest in walking, cycling, and public transport modes
- Advocating for lower fares and a fully electric public transport fleet
- Advocate for greater support for the development of biofuels

As part of the commitment to supporting car sharing and electric vehicle charging, WCC is investigating up to 100 car parks citywide over the three year period between 2016 and 2018. This includes 30 car parks in the CBD and 70 in the suburbs. These parks will be available based on demand for car-share operations, electric vehicle (EV) charging infrastructure, or any other service which reduces the need to own a car or makes it easier to shift to sustainable transport fuels. This kind of support is in line with support WCC already offers to other providers of valuable transport options with public transport and taxis enjoying substantial road space across the city, including in high-value areas. This will also be done in an integrated way being cognisant of the impact on other important sustainable transport modes such as walking, cycling, and public transport.

Site Selection

A list of the selected sites can be found in Appendix A of this report. A broad outline of how they were selected is provided below.

1. EV car sharing – 21 sites

   The locations of the EV car sharing spaces were selected in conjunction with the service provider. The provider indicated where the demand was highest for their service, as well as providing evidence that their service was well-used. WCC worked with the provider in selecting parking spaces that were currently less well-used in order to minimise the overall impact on the city's parking provision. These spaces were selected to maximise visibility, ease of access, and viability for car sharing.

2. Medium speed EV charging stations – 10 sites

   Parking bays for medium speed EV charging stations were identified by selecting spaces that met several criteria applicable to EV charging. First, the bay needed to be adjacent to a phone box to enable the service provider to install EV charging infrastructure while maintaining the existing street furniture context. Second, the bays had to be in attractive, highly used areas - particularly town centres. International evidence shows that EV charging stations installed in unattractive spots are poorly used. WCC and the service provider wish to avoid this as significant cost is being incurred.

3. Fast EV charging stations – 3 sites

   Parking bays for fast EV charging station were selected by identifying areas that would increase coverage of the CBD for EV charging, where one could park to charge up their EV and shop or eat in the meantime. Three locations have been identified at Bond St, Brandon St and Stout St.

   Lombard Lane redevelopment is a significant council project with opportunity to significantly enhance the liveliness of a disused area of the city, and incorporating electric vehicle charging station on the adjacent Bond Street will contribute to the success of the revitalisation. Brandon and Stout Streets are in the highest use area of parking in the city. Placing a fast EV charging facility at these locations will contribute a significant incentive to owning an EV. An added benefit of additional fast chargers in the city is the provision of a substitute for charging at home - a key element of necessary support in a city with little off-street parking. By placing the fast chargers in high use areas, WCC hopes to maximise this benefit.

4. Traditional car-share – 3 sites

   In accordance with Wellington City Council's car sharing policy, these parks were only provided where demand could be demonstrated. Similar to the selection of the EV car sharing sites, the three traditional car-share spaces were selected in conjunction with the car sharing provider. The provider demonstrated where the demand was highest for their service and provided the

evidence that their service was well-used.

WCC helped the service provider in selecting spots that are currently less well-used to minimise the overall impact on the city's parking provision. They were also selected to maximise visibility, ease of access, and viability for car sharing.

Adding car-share vehicles in the city could potentially free up parking space given recent research from Australia showing that for every car-share vehicle in operation an average of 10 private vehicles are removed from city streets. Research out of the USA shows as many as 15 can be removed.

Based on the above analysis, Wellington City Council officers propose to introduce a mix of fast and medium EV charging stations and dedicated car-share spaces by replacing existing parking bays.

Proposal For This Particular Site

This traffic resolution report seeks to convert the existing angled car park next to the Spark phone booth outside 5 Ganges Road into a dedicated electric vehicle charging station.

The time restriction of a maximum 10-minute stay will be extended to 120 minutes and the space will be reserved for electric vehicles only.

Key Dates:

1)	Advertisement in the Dominion Post Newspaper	18 April 2017
2)	Feedback period closes.	5 May 2017
3)	If no objections received report sent to City Strategy Committee for approval.	8 June 2017
4)	If objections are received, further consultation, amendment/s, or proceed with explanation as appropriate.	

Legal Description:

Delete from Schedule A (Time Limited Parking) of the Traffic Restrictions Schedule

Column One	***Column Two***	***Column Three***
Ganges Road	*P10, Monday to Saturday 8:00am - 6:00pm*	*East side, commencing 11.5 metres south of its intersection with Agra Crescent (Grid Coordinates x= 1750049.0 m, y= 5432350.7 m), and extending in a southerly direction following the eastern kerbline for 23.4 metres.(8 angled parking spaces)*

Add to Schedule A (Time Limited Parking) of the Traffic Restrictions Schedule

Column One	***Column Two***	***Column Three***
Ganges Road	*P10, Monday to Saturday 8:00am - 6:00pm*	*East side, commencing 11.5 metres south of its intersection with Agra Crescent (Grid Coordinates x= 1750049.0 m, y= 5432350.7 m), and extending in a southerly direction following the eastern kerbline for 20.0m metres.(7 angled parking spaces)*

Add to Schedule B (Class Restricted) of the Traffic Restrictions Schedule

Column One	***Column Two***	***Column Three***
Ganges Road	*Parking place in the form of electric vehicles only parking. P120 Maximum, at all times.*	*East side, commencing 31.5 metres south of its intersection with Agra Crescent (Grid Coordinates x= 1750049.0 m, y= 5432350.7 m), and extending in a southerly direction following the eastern kerbline for 3.4m metres.(1 angled parking space)*

PROPOSED TRAFFIC RESOLUTION

Absolutely Positively Wellington City Council
Me Heke Ki Pōneke

Prepared By: Charles Kingsford **(Principal Traffic Engineer T/L)**

Approved By: Steve Spence **(Chief Transport Advisor)**

Date:

WCC Contact:

Tom Pettit
Senior Analyst - Strategy
Wellington City Council
101 Wakefield Street / PO Box 2199,
Wellington 6140
Phone:+64 4 803 8697
Email: tom.pettit@wcc.govt.nz

Traffic Resolution Plan:

Appendix A – List of Sites

Ref No.	Location	Type of Site	CBD/Suburb
TR50-17	Ballance Street	Traditional car sharing spaces	CBD
TR51-17	Victoria Street		CBD
TR52-17	Bond Street		CBD
TR53-17	Ballance Street/ Maginnity Street	Electric vehicle car sharing spaces	CBD
TR54-17	Willeston Street		CBD
TR55-17	Cable Street		CBD
TR56-17	Bolton Street		CBD
TR57-17	Victoria Street Slip Lane		CBD
TR58-17	Elizabeth Street		Mount Victoria
TR59-17	Hill Street /Molesworth Street intersection		Thorndon
TR60-17	Grey Street	Medium speed EV charging stations	CBD
TR61-17	Courtenay Place		CBD
TR62-17	Molesworth Street		CBD
TR63-17	Panama Street		CBD
TR64-17	Ganges Road		Khandallah
TR65-17	Constable Street		Newtown
TR66-17	Kilbirnie Crescent		Kilbirnie
TR67-17	Taurima Street/ Moxham Avenue Intersection		Hataitai
TR68-17	Aro Street		Aro Valley
TR69-17	Karori Road		Karori
TR70-17	Bond Street & Cornhill Street	Fast EV charging station	CBD
TR71-17	Brandon Street		CBD
TR72-17	Stout Street		CBD

FEEDBACK RECEIVED