

26 March 2010



Mr Kristian Handberg
Electric Vehicle Trials
Department of Transport
PO Box 2797
MELBOURNE VIC 3001

Email: electricvehicle.trials@transport.vic.gov.au

Dear Kristian,

RE: ELECTRIC VEHICLE TRIAL – INVITATION TO PARTICIPATE

City of Melbourne is pleased to provide a submission to the Department of Transport Electric Vehicle Trial as outlined in the invitation to participate.

The City of Melbourne is committed to advancing research and development in electric vehicle technology in Australia and in particular for use within its capital city environment where council's fleet vehicles travel relatively short distances on a day to day basis whilst delivering key business services to its community and stakeholders. This commitment has resulted in council investing in three (3) 100% electric vehicles, the first being introduced into operations in April 2008. The third electric vehicle, and most recent, is a Toyota Camry (soon to be delivered) that will represent Victoria's first local government initiative to evaluate a large size electric vehicle capable of transporting 5 passengers.

In addition, it is anticipated that the new Toyota Camry Hybrid will feature predominately in council's future fleet mix until such time that electric vehicles become commercially available and widely accepted on the Australian market.

If you require further information please contact Darren Comi, Corporate Transport Service Coordinator, telephone (03) 9658 8717.

Yours sincerely

A handwritten signature in black ink, appearing to read 'M Norton', with a large, stylized flourish at the end.

Michael Norton
Acting Manager Engineering Services

Telephone (03) 9658 9127
Facsimile (03) 9658 8886
E-mail micnor@melbourne.vic.gov.au

Attachment One:

City of Melbourne submission to Victorian Government Department of Transport (DOT) Electric Vehicle Trial – Invitation to Participate

Municipal boundaries and Garaged address

1. The City of Melbourne is 38.1 square kilometres and as a guide is bounded by Park Street Carlton in the North, Punt Road Richmond in the East, Westgate Freeway in the South and Maribyrnong River past Flemington Racecourse in the West.
2. The garaged address for council's vehicle fleet is the corporate car park (basement level), 200 Little Collins Street Melbourne. Entry to the corporate car park is via Royal Lane.

Fleet Composition and Vehicle Utilisation

3. Council's corporate motor vehicle fleet consists of 68 passenger vehicles and 14 light commercial vehicles. The fleet vehicles are identified and categorised into two core business streams;
 - a. Executive Vehicles
 - b. Non Executive Operational Vehicles
4. *Executive Vehicles* are allocated to Council's Executive Officers and are available for full private use. *Non-Executive Operational Vehicles* are allocated to branches or units for key service delivery. There are three (3) electric vehicles within this operational area.
5. The average fleet utilisation for the two business categories is 2yr/40,000kms for the executive vehicles and 2yr/30,000kms for the non-executive operational vehicles.

Existing Electric Vehicles

6. Council currently have three (3) electric vehicles. Two vehicles are in fleet operations (Blade Electrons - Hyundai Getz Hatch) while the third vehicle (Toyota Camry Sedan) is nearing conversion completion and will soon be delivered into operations. All three vehicles have been pre-purchased by Council and then converted into electric drive by Blade Electric Vehicles Pty Ltd in Castlemaine, Victoria.
7. Sustainability Victoria (SV) and Department of Innovation, Industry and Regional Development (DIIRD) have provided funding assistance for two vehicle electric conversions (1- Hyundai Getz and 1 - Toyota Camry). The funding agreement includes the requirement to provide vehicle performance and battery management data. The vehicles have been fitted with GPS and battery monitoring equipment for easy access to download live data.
8. The data collection is currently being monitored and collated by University of Ballarat and coordinated by Mr Graham Hood, School of Science and Engineering.

9. It is highly anticipated that SV and DIIRD will align and package councils electric vehicle data (1- Hyundai Getz and 1 - Toyota Camry) into the DOT Electric Vehicle Trial. City of Melbourne will continue to provide the vehicle performance data and send to DOT as required.
10. The existing electric vehicles have designated parking bays within the corporate car park. The relevant bays have 240 volt 10 amp recharging points installed for easy access to recharging the vehicle after each journey and overnight. Fast recharging infrastructure has not been installed.

Data Reporting

11. The vehicle performance and battery management system is being monitored and reported by University of Ballarat and coordinated by Mr Graham Hood, School of Science and Engineering. This arrangement is expected to remain in place until the vehicles are due for disposal in 2 years as per the existing funding arrangements. The performance reports will be generated and made available as required by DOT for the Electric Vehicle Trial.

Drivers and Surveys

12. The electric vehicles are available for business use in accordance with Council Corporate Vehicle Fleet Policy. This includes availability for day to day pool use and authorised overnight use.
13. In addition council will consider allocating the electric vehicles to staff for commuter use for the purpose of increasing vehicle utilisation and subjecting the vehicles to different geographic destinations on a time share basis. A ballot system is reasonable measure to select staff for the purpose of encouraging increased utilisation and exposing the vehicles to a broader number of staff than usual.
14. All nominated drivers will be expected to complete a driver experience and driver attitude survey. This data will be collated by City of Melbourne and made available to DOT as required.

Green Power Funding

15. City of Melbourne will investigate providing 100% accredited green power to the corporate car park where the recharging points are located.

Funding Considerations

16. City of Melbourne will continue the data collection and vehicle performance reporting through the University of Ballarat and provide this information to DOT for the EV trial. Continued arrangements between University of Ballarat and City of Melbourne will be funded by Council.
17. Additional financial liability incurred to City of Melbourne for Fringe Benefit Tax as a result of increased commuter usage will be funded by Council.
18. Council will investigate opportunities to install quick recharging infrastructure in one of its commercial car parks located at 200 Little

Collins Street. This will enable members of the public to access a battery recharge point in central Melbourne. A cost recovery mechanism for the consumption of electricity to the users will also form part of the investigation.

Other Electric Transport Considerations

19. City of Melbourne has an extensive electric bicycle fleet which consists of 20 electric bikes. The electric bikes form an integral transport solution for Council staff getting around inner city destinations such as CBD, Docklands and Southbank. DOT may consider the benefits of including electric bicycle usage as part of the electric vehicle trial.
20. Within the corporate fleet numbers Council have one Toyota Prius and by June 30 the fleet replacement program will result in ten (10) standard Toyota Camry Altise sedans being replaced with new Camry Hybrid sedan. Again DOT may consider the benefits of including the Hybrid vehicles as part of the electric vehicle trial.