

AGENDA FOR THE TRANSPORTATION ADVISORY COMMITTEE MEETING
TO BE HELD IN THE FRANKLYN STREET TRAINING ROOM, 238 FRANKLYN STREET
ON THURSDAY, 2011-SEP-15, COMMENCING AT 3:00 P.M.

1. **CALL THE MEETING TO ORDER:**
2. **APPROVAL OF AGENDA AND LATE ITEMS:**
3. **ADOPTION OF MINUTES:**
4. **DELEGATIONS:**
5. **CHAIR'S REPORT:**
6. **PRESENTATIONS - Verbal Updates:**
 - a) Transportation Master Plan Update – Gord F. (30 min.)
 - RDN/Lantzville - Draft Model Zone System
 - Grant Funding for “Nanaimo Regional Transportation Planning”
 - Ferries - Data Collection
 - Land Use / Population Projections - Next Steps
 - Transportation Model Software Review
 - b) Nissan Leaf Electric Vehicle Launch Event - Tom H. (5 min.)
 - c) Transit Connect Update - Tom H. (5 min.)
 - d) VIU Parking Update – Tim D. (15 min.)
 - e) Installation of Bike Racks in the downtown – Tim D. (15 min.)
7. **REPORTS:**
 - a) Electrical Vehicle Charge Stations in Nanaimo – Tom H. (10 min)
8. **CORRESPONDENCE:**
 - a) Car Charging Plan Unveiled (Ontario)
9. **UNFINISHED BUSINESS:**
10. **ADJOURNMENT:**

REPORT

REPORT TO: TRANSPORTATION ADVISORY COMMITTEE

FROM: TOM HICKEY, GENERAL MANAGER, COMMUNITY SERVICES

RE: ELECTRICAL VEHICLE CHARGE STATION IN NANAIMO

STAFF RECOMMENDATION:

That the City install two electrical charge stations at the Vancouver Island Conference Centre and at Beban Park.

EXECUTIVE SUMMARY:

At the 2011-Jul-07 Transportation Advisory Committee meeting staff indicated locations for the installation of vehicle charge stations on City property. The identified locations were at the Vancouver Island Conference Centre parkade and at either the Nanaimo Ice Centre, Nanaimo Aquatic Centre or Beban Park. These locations were selected as they often receive out of town visitors that may be travelling in electric vehicles that could require a charge while they are participating in events at these facilities.

The expectation was to install two charge stations at the VICC parkade and two stations at one of the community recreation facilities and for these to be installed in the fall. However, the cost of installing these charge stations is more than expected and staff is seeking support from the Transportation Advisory Committee and Council before undertaking the installations.

BACKGROUND:

The cost of installing these stations is site specific based on access to electricity. The cost is:

Beban:

- | | |
|-------------------------------|----------|
| • Eaton charge station (each) | \$ 3,000 |
| • Wiring | 5,700 |
| • Sidewalk work and Bollards | 1,400 |
| • Signage | 400 |

Two Stations	Total	\$13,500
One Station	Total	\$10,500

Vancouver Island Conference Centre:

- | | |
|-----------------------------------|----------|
| • Eaton charge station (each) | \$ 3,000 |
| • Wiring (<i>approximately</i>) | 2,000 |
| • Signage | 400 |

Two Stations	Total	\$ 8,400
One Station	Total	\$ 5,400

The annual operating and maintenance costs for these stations is expected to be about \$400 per location for hydro. Ongoing maintenance is minimal. Initially the charge stations will be available for public use free of charge and staff will monitor the amount of use each station receives. If there is significant demand for these charge stations, additional charge stations can be added to these and other facilities. At that time a decision can be made to charge the public for use of these charge stations to recover costs.

To provide a couple of options in the community, staff is recommending installations at both Beban and VICC, however, TAC may consider only an installation at VICC. City Council has adopted a TAC recommendation that encourages the provision of electrical vehicle infrastructure through sustainable guidelines, parking bylaws, change in building code or other methods. The installation of these charge stations will show leadership on the City's behalf.

The money for the installation is available in the Engineering and Public Works budget because some positions have been vacant during portions of 2011 and some of this money can be directed to this project.

Respectfully submitted,

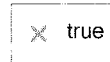


Tom Hickey, General Manager
Community Services

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Car charging plan unveiled

BY GRACE MACALUSO, THE WINDSOR STAR AUGUST 10, 2011



Driving into the parking lot at Devonshire Mall to charge up your electric car could soon become a reality under an Ontario government plan to spend \$80 million to help build electric vehicle charging stations across the province.

"We want to make it convenient and realistic and possible for families to consider an electric car as a real and viable option," said Premier Dalton McGuinty as he outlined details of the plan in Markham on Tuesday. The province will provide seed money to proposals to install and test electric vehicle charging stations from the public and private sector.

According to McGuinty, an electric vehicle is a cost-effective alternative to gas-powered cars.

"Investing in charging stations to help Ontarians choose electric and save money; \$70 for gas fill-up; \$7 for electricity," the premier tweeted following the announcement.

Ontario's plan to spur the prevalence of electric car charging stations would be a boost to the electric vehicle industry as well as the Windsor area's fledgling green sector, industry spokesmen said.

"We would love to get involved in providing solar powered car ports with charging stations in every main parking area," said Klaus Dohring, president of Green Sun Rising Inc. "In a few years, we'll have thousands of electric vehicles," said Dohring, whose Kildare Road company manufactures solar powered car ports housing charging stations. "When you consider how many parking lots we have, it will be much easier to charge the vehicle where the vehicle is parked during the day."

The latest incentive offered by the province would have a "significant impact" on an industry which currently employs about 1,200 in the region, added Dohring.

"Ten years ago in Germany, there was hardly any solar industry," he said. "Today, the solar industry in Germany employs about 200,000 people."

Renewable energy as an industry can become larger than the global automotive industry, he added. "It is clear that our transportation sector is moving toward electrification. It is smart to embrace clean transportation and develop the infrastructure for that."

Ontario already offers consumers incentives ranging from \$5,000 to \$8,000 to purchase electric cars.

Virtually every major automaker is in the process of launching plug-in electric or hybrid vehicles. Chrysler Group, for example, plans to introduce an electric Fiat 500 late next year.

"Electrification is just one technology that will help Chrysler Group contribute to meeting the new fuel economy standards as well as lower our carbon footprint," said LouAnn Gosselin, spokeswoman for

Chrysler Canada. "Market acceptance of electric vehicles and bringing the cost of electrification to an acceptable level to the consumer will be key."

Lawrence Musyj, director of conservation and energy management at Enwin Utilities, said the announcement could prompt municipalities as well as retailers and other private employers to begin installing charging stations on their properties.

"This announcement is great as far as indicating to the public that electric vehicles are coming and that it's time to start considering getting infrastructure," said Musyj. He said it won't be long before electric vehicles, such as General Motors' Chevy Volt, will cross the border.

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