

MINUTES OF THE REGULAR MEETING OF THE TRANSPORTATION ADVISORY COMMITTEE,  
HELD IN THE BOARD ROOM, CITY HALL, ON THURSDAY, 2011-MAY-05,  
COMMENCING AT 3:00 P.M.

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PRESENT: Michele Patterson, Acting Chair  
Jim Routledge  
Councillor Jim Kipp  
Councillor Bill Holdom  
Councillor Bill Bestwick

Staff: Tom Hickey  
Bob Prokopenko  
Gordon Foy  
Amir Freund  
Bruce Anderson  
Randy Churchill  
Tim Davidson  
Bruce Labelle  
Jodi Wilson

Guest: Don Chandler, Electric Vehicle Association

1. CALL MEETING TO ORDER:

The meeting was called to order at 3:00 p.m.

2. INTRODUCTION OF LATE ITEMS:

There were no late items brought forward.

3. ADOPTION OF AGENDA:

*It was moved and seconded that the agenda be adopted. The motion carried unanimously.*

4. ADOPTION OF MINUTES:

*It was moved and seconded that the minutes of the Transportation Advisory Committee held in the City Hall Board Room, 455 Wallace Street, Nanaimo, BC on Thursday, 2011-Apr-07 at 3:00 p.m. be adopted as circulated. The motion carried unanimously.*

5. DELEGATIONS:

There were no delegations present.

6. REPORTS:

(a) Electric Vehicle Presentation – Don Chandler

Don Chandler provided a brief introduction. Don is a member of the Vancouver Electric Vehicle Non-Profit Association and their purpose is to promote electric vehicles. He has worked directly with the City of Vancouver and the actions they have taken with electric vehicles. He also has some hands on experience with building electric vehicles.

To begin the presentation Don asked the Committee if they had any questions or comments about electric vehicles. Below are some questions and comments provided by the committee:

- Michelle advised that VIU is installing 5 charging stations at their Duncan campus.
- Councillor Holdom embraces the use of electric vehicles as he realizes that people are not willing to give up their vehicles, so if they are going to be in vehicles, why not electric vehicles.
  - Councillor Kipp is also in support of electric vehicles and would love to see the downtown core follow this direction.
- Tim Davidson is involved in the parking operations with the City. He is currently looking at parking kiosks and reviewing whether we could have charge stations in the kiosk.
- Randy Churchill would like to see how the hybrid vehicles compare to electric vehicles.

The following includes the information discussed by Don Chandler during his presentation:

- Electric vehicles are 3-5 times more efficient because they don't have a radiator.
- Hybrid's charge off gas.
- Plug-in hybrid or an extended range vehicle has a bit bigger battery which allows you to run the first 20km on the battery which is the majority of around town driving.
- Pure battery electric vehicles that has no gas or conversions, runs on electricity only.
- By 2015 there will be approximately 70 models to choose from.
- 85% of people surveyed are ready to buy electric.
  - 3% immediately
  - 57% will trade in their car
  - 25% will when the price comes down

What can we do to help bring electric vehicles in? The three things we need are:

- Cars
- Drivers
- Infrastructure

What our focus needs to be is the infrastructure. The vehicles won't come without the infrastructure.

"Build the Infrastructure":

- at home
- at work
- on the go

"Project Get Ready" is an initiative to help cities prepare for the introduction of plug-in hybrid vehicles. More information is available at [www.projectgetready.org](http://www.projectgetready.org).

The intention is to install a "lightning bolt" every 100km across British Columbia. The lightning bolt will charge your car in 20 minutes with a 100kw charging station.

Most charging will be done at home during the night during off peak hours.

Hybrid – 500 km

Electric – 120 to 150 km

ICE – 500 km

Charging time:

1kw = 5km for every hour of charging

2kw = 10km for every hour of charging

6kw = 30km for every hour of charging

Installation Cost:

Ranges anywhere from \$1300 to \$3700 depending on whether it is new construction or a renovation.

The City of Vancouver requires new homes to be roughed-in. Leave room in the panel for an extra breaker of 40 amps, enough to charge an electric vehicle.

Consumption Cost:

Don charges one electric vehicle and his Hydro bill went up approximately \$18 per month.

Implementation:

The Province of B.C. is working on a Building Regulation change to do the same thing which should be completed in about one year.

Don suggested adding to the Zoning Bylaw a requirement that all new homes should have electric vehicle infrastructure. The City could use the following wording to revise our Zoning Bylaw: "A powered outlet shall be provided in at least one of the parking stalls in an attached, built-in detached garage or carport that serves each residential

dwelling for use with an electric vehicle charging system for which specific installation requirements are located in the electrical code.”

Public Infrastructure:

- Infrastructure should be installed for fleets.
- Commuters will need access to charging stations.
- Install charging stations that are accessible by ‘residents only’.
- Businesses are manufacturing charging stations.

Batteries:

Batteries currently have a warranty of 8 – 10 years.

Vehicle Conversions:

Anywhere between \$3,000 - \$5,000.

*It was moved and seconded that the presentation be received. The motion carried unanimously.*

*It was moved and seconded that the Transportation Advisory Committee provide a recommendation in a report to Council to add to the Zoning Bylaw update, the following requirement: “A powered outlet shall be provided in at least one of the parking stalls in an attached, built-in or detached garage or carport that serves each residential dwelling for use with an electric vehicle charging system for which specific installation requirements are located in the electrical code.” The motion carried unanimously.*

| (b) OCP Review Presentation – Gordon Foy

Gord provided a brief overview of Chapter 6 of the OCP.

The OCP already has the availability of transportation choices listed as one of its purposes. The OCP is already providing us with some direction on our Transportation Plan about where we should be going.

Gord advised that there is a Community, Energy and Emissions Study that is coming up and it is already referencing a Transportation Plan. Once the Transportation Plan is complete, it is going to become a document that everybody else is referencing to try and continue to build policy.

A theme that the OCP carries is to try and get people out of vehicles and using other modes of transportation such as: walking, cycling and buses.

Councillor Holdom suggested that the wording in Section 6.5 - Objectives be revised to include vehicles that are more environmentally friendly.

The Transportation Plan should be considered as a continuation of the OCP and should be able to be started mid-stream due to the content that already exists and supports transportation in the OCP.

We have money budgeted for the Transportation Plan in the 2012, 2013 and 2014 City budget. If we can get the Gas Tax Grant in the amount of \$400,000, it will enable us to do more of a Regional Transportation Plan and sets us up with data collection and provides us with a transportation model that would be effective for land use and transportation planning and allows us to develop this Transportation Plan into a more detailed plan.

How do we get from where we are today, to where we need to be?

Process:

- Identification of key issues achieved through a community process.
- Develop a range of improvement strategies based on the community input.
- Assess, compare and prioritize alternative strategies.
- Refine preferred improvement strategies and then go to Council for adoption into the plan.
- Implementation of the plan.

(c) Pre-Transportation Plan Public Information Process – Amir Freund

Amir suggested that we proceed with one Open House for the entire community on June 14<sup>th</sup>. Beban Park Lounge has been tentatively booked.

Amir proposed that another TAC Meeting be held on June 2<sup>nd</sup> to review the information that will be displayed/discussed at the Open House on June 14<sup>th</sup>.

A report compiling all the information from the Open House will be completed by June 30<sup>th</sup>.

Media releases will be published before and after the Open House. We would like to invite people through the means of newspapers, radios and Shaw television. We will provide some general statistics. All the Open House information will be on the City of Nanaimo website. Quotes from the committee members regarding the Transportation Plan have been requested.

Councillor Bestwick suggested that we consider having more than one Open House in different areas of town for better coverage.

*It was moved and seconded that the Transportation Advisory Committee approves the plan for an Open House and media releases before and after the Open House.*

*It was moved and seconded that the Transportation Advisory Committee instructs staff to proceed with the detail planning and preparation of the technical material for the Open House and media releases.*

7. CORRESPONDENCE:

There was no correspondence.

8. UNFINISHED BUSINESS:

There was no old business discussed.

9. ADJOURNMENT:

It was moved and seconded at 4:50 p.m. that the meeting adjourn. The motion carried unanimously.

10. NEXT MEETING:

The next meeting will be held on 2011-Jun-02, in the City Hall Board Room located at 455 Wallace Street. The meeting time will be 3:00 p.m. to 4:30 p.m.

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CHAIR