

ECO-PASS PERMIT PROGRAM



BACKGROUND

- ▶ Electric vehicles are an emerging sector in the auto industry
- ▶ OCP and Community Climate Action Plan aims to reduce greenhouse gas emissions by 33% from 2007 levels by 2020
- ▶ Opportunity to support EV adoption

ECO-PASS PERMIT PROGRAM

- ▶ Established in 2005 to reward owners of hybrid and fuel efficient vehicles
- ▶ Initially 7 specific models qualified
- ▶ Today, over 35 hybrid models and 39 plug in electric models qualify
- ▶ Over 1000 active Eco-Passes issued

ORIGINAL PERMIT ELIGIBILITY

- ▶ Any hybrid or electric vehicle and all gas/diesel powered vehicles with a city fuel consumption rating less than 5.9 l/100km qualified
- ▶ Permits could be renewed
- ▶ Eco-Pass allowed no-charge on-street parking up to the posted time limit

2016 PROGRAM CHANGES

- ▶ In support of reducing GHG emissions, new qualification standards:
 - ▶ Vehicles must be either:
 - ▶ Battery Electric
 - ▶ Plug-in Hybrid Electric
 - ▶ Pass is valid for one year and cannot be renewed
- ▶ Issued only for vehicles registered within the RDCO

COUNCIL POLICY 375

- ▶ Outlines how staff administer the program:
 - ▶ Vehicle types that qualify
 - ▶ Benefits available to permit holders
 - ▶ Lost or stolen placard procedure
 - ▶ Length of time permits are valid and expiry
 - ▶ Addresses misuse of permits

ELECTRIC VEHICLE INCENTIVES IN B.C.

- ▶ Clean Energy Vehicle Program
 - ▶ Up to \$5,000 for purchase
- ▶ Scrap-it Program
 - ▶ Up to \$3,250 for purchase when retiring vehicle
- ▶ Multi-unit Residential Building Charging program
 - ▶ Rebate on charging stations up to \$4,500
- ▶ Electric vehicles may now use HOV lanes

AVAILABILITY (AS OF MAY 2, 2016)

- ▶ Okanagan Dealers - New Electric Vehicles:
 - ▶ 3 Fully Electric & 1 Plug-in Hybrid in Kelowna
 - ▶ 4 Plug-in Hybrid in Penticton
 - ▶ \$33,000 to \$41,500 price range (New)
- ▶ 9 new and 71 used Fully Electric and Plug-in Hybrid's currently listed for sale in British Columbia*
- ▶ Vehicles priced between \$17,000 (2012 Nissan Leaf) and \$87,888 (2014 Tesla Model S)*

* Information courtesy of Autotrader.ca



- ▶ 2012 Nissan Leaf
 - ▶ \$17,000 (Used)



- ▶ 2014 Tesla Model S
 - ▶ \$87,888 (Used)

PERMIT ELIGIBILITY CRITERIA

Current (Feb 2016)

- ▶ Battery Electric Vehicles (BEV's)
- ▶ Plug-in Hybrid Vehicles (PHEV's)
- ▶ Permit valid for one-year
- ▶ Max 2 hours per day of on-street parking

Alternate Recommendation

- ▶ Battery Electric Vehicles (BEV's)
- ▶ Plug-in Hybrid's (PHEV's)
- ▶ **Hybrids (HEV's) with maximum fuel consumption less than 6.0L/100km* until June 1, 2018**
- ▶ Permit valid for one-year
- ▶ Max 2 hours per day of on-street parking

*Based on the Natural Resources Canada 2016 Fuel Consumption Guide

NEXT STEPS

- ▶ Communications
 - ▶ News release if any changes are made to Eco-Pass program
- ▶ Any further changes/adjustments to Eco-Passes would take effect on June 1, 2016

PLUG-IN HYBRID ELECTRIC VS. HYBRID

Make / Model	Year	L / 100 km	CO ₂ Emissions (g/km)	Make / Model	Year	L / 100 km	CO ₂ Emissions (g/km)
Chevrolet Volt	2016	2.2	32	Toyota Prius	2016	4.4	104
Ford C-Max Energi	2016	2.0	80	Ford C-Max	2016	5.6	140
Ford Fusion Energi	2016	2.0	80	Toyota Camry	2016	5.5	134
BMW i3 REX	2016	2.0	22	Ford Fusion	2016	5.4	130
Hyundai Sonata Plug-in	2016	2.4	63	Lexus CT200h	2016	5.5	132

BATTERY ELECTRIC VEHICLES

Make/ Model	Year	L_e / 100 km*	CO ₂ Emissions (g/km)
BMW i3	2016	1.7	0
Chevrolet Spark EV	2016	1.8	0
Ford Focus Electric	2016	2.1	0
Nissan Leaf	2016	1.9	0
Tesla Model S	2016	2.5	0

* L_e is gasoline litre equivalent. One litre of gasoline contains the energy equivalent to 8.9 kWh electricity