

The Corporation of the
CITY OF WHITE ROCK



Environmental Advisory Committee
AGENDA

Thursday, March 18, 2021, 4:00 p.m.

City Hall Council Chambers

15322 Buena Vista Avenue, White Rock, BC, V4B 1Y6

***Live Streaming/Telecast:** Please note that all Committees, Task Forces, Council Meetings, and Public Hearings held in the Council Chamber are being recorded and broadcasted as well included on the City's website at: www.whiterockcity.ca

The City of White Rock is committed to the health and safety of our community. In keeping with Ministerial Order No. M192 from the Province of British Columbia, City Council meetings will take place without the public in attendance at this time until further notice.

T. Arthur, Director of Corporate Administration

	Pages
1. CALL TO ORDER	
2. ADOPTION OF AGENDA	
RECOMMENDATION THAT the Environmental Advisory Committee adopt the agenda for March 18, 2021 as circulated.	
3. ADOPTION OF MINUTES	3
RECOMMENDATION THAT the Environmental Advisory Committee adopts the minutes of the March 4, 2021 meeting as circulated.	
4. GREENHOUSE GAS REDUCTION TARGET PROPOSAL	9
The Committee to further discuss the greenhouse gas reduction target proposal, provided by Chairperson R. Hynes.	
5. ELECTRIC VEHICLE CHARGING IN NEW BUILDINGS - POSSIBLE REVISION TO OCP POLICY 12.5.7	11
The Committee to further discuss electric vehicle charging in new buildings and possible revisions to the Official Community Plan's Policy 12.5.7.	

6. OTHER BUSINESS

7. INFORMATION

7.1. COMMITTEE ACTION TRACKING

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The Committee to discuss outstanding and accomplished items on the Committee Action Tracking document.

8. 2021 MEETING SCHEDULE

No scheduled meetings at this time.

9. CONCLUSION OF THE MARCH 18, 2021 ENVIRONMENTAL ADVISORY COMMITTEE MEETING



Environmental Advisory Committee

Minutes

March 4, 2021, 4:00 p.m.

Via Microsoft Teams

PRESENT:	R. Hynes, Chairperson S. Crozier, Vice-Chairperson W. Boyd, Committee Member (entered the meeting at 4:33 p.m.) P. Byer, Committee Member J. Lawrence, Committee Member I. Lessner, Committee Member D. Riley, Committee Member
COUNCIL:	Councillor E. Johanson, Council Representative (Non-voting) Councillor S. Kristjanson, Council Alternate (Non-voting) (left the meeting at 5:35 p.m.)
STAFF:	J. Gordon, Director of Engineering and Municipal Operations G. Newman, Manager of Planning T. Welsh, Manager of Building and Bylaw Enforcement (left the meeting at 4:58 p.m.) K. Sidhu, Committee Clerk C. Richards, Committee Clerk

1. CALL TO ORDER

The meeting was called to order at 4:03 p.m.

2. ADOPTION OF AGENDA

2021-EAC-022: It was MOVED and SECONDED

THAT the Environmental Advisory Committee adopt the agenda for March 4, 2021 as circulated.

Motion CARRIED

3. ADOPTION OF MINUTES

2021-EAC-023: It was MOVED and SECONDED

THAT the Environmental Advisory Committee amends the minutes of the February 4, 2021 as noted:

- The last second last sentence to the last bullet of Item 4 is to be amended to read "The goal of updating targets was never met and the current target was never met."
- Move the first bullet from Item 5.1 to Item 4 as the last bullet (above action items).
- The title for Item 5.1 is to be changed from "Electric Vehicle Parking Spaces" to "Electrical Vehicle Ownership by the City".
- The first paragraph under Item 5.1 is to be amended to read "The Committee discussed **replacing City vehicles with electric vehicles.**";

AND THAT the minutes be adopted as amended.

Motion CARRIED

4. Energy Step Code

The Manager of Building and Bylaw Enforcement provided a presentation on the British Columbia Energy Step Code.

Councillor Johanson entered the meeting at 4:04 p.m.

Councillor Kristjanson entered the meeting at 4:06 p.m.

- BCBC 9.36 Energy Step Code was made available as an option to builders in 2017, comprising of five (5) Steps.
- The Province has indicated mandating Step 3 in 2022.
- The Province has a goal of achieving a mandate of Step 5 (Net Zero Construction) in 2032.

- White Rock's plans to approach the adoption with the following:
 - An Online Builder Survey;
 - Internal staff review and assessment;
 - Survey of adjacent municipalities;
 - Consultation with Building Safety Standards Branch; and
 - Combine results to develop adoption strategy.
- The BC Energy Step Code focuses on the overall performance from a passive perspective of the building at the time it was constructed.

A discussion on the topic took place with questions answered by the Manager of Building and Bylaw Enforcement.

W. Boyd entered the meeting at 4:33 p.m.

- White Rock's timeline to achieve a higher step (Step 3) is by 2022.
- There is a possibility of looking into collaborating with other municipalities.
- The BC Energy Step Code focuses on the overall performance from a passive perspective of the building at the time it was constructed.
- Different building types cannot be compared in regards to Energy Step levels. The performance matrix varies per building type.

T. Welsh left the meeting at 4:58 p.m.

5. **Greenhouse Gas Reduction Target Proposal**

The Committee discussed the greenhouse gas reduction target proposal, drafted by Chairperson R. Hynes. The following was discussed:

- Staff provided an overview of what the City is currently doing in order to get closer to the greenhouse gas reduction target. However, it is not believed that the overall target is not attainable.
- As a small municipality, the standards must be set for what achieving net zero in White Rock is.
- If it is absolutely necessary to meet this target and the funds are available, then it could be made possible.
- The Committee discussed the draft resolution:

The City of White endorses the current GHG emission reduction targets of the Governments of Canada, BC and Metro Vancouver, in particular the shared commitment to achieve net zero emissions, or carbon neutrality, by 2050. The City will undertake all possible measures within its jurisdiction and capabilities to contribute to the realization of these targets, including through the achievement of carbon neutrality in its corporate operations by 2030 and by actively promoting the reduction of community-wide GHG emissions in White Rock.

To these ends, concrete plans will be developed and steps taken in all spheres enumerated under BC's annual climate action reporting requirements, ie: broad planning, building and lighting, energy generation, greenspace protection and enhancement, solid waste management, transportation, water and wastewater management, and climate change adaptation efforts.

ACTION ITEM: The Committee to further review the draft resolution document to provide comments at the next meeting.

6. Electric Vehicle Charging in New Buildings - Possible Revision to OCP Policy 12.5.7

The Committee discussed electric vehicle charging in new buildings and possible revisions to the Official Community Plan's Policy 12.5.7. The following was noted:

- J. Lawrence, Committee member, provided an overview of the shared document regarding the draft recommendation to amend the Official Community Plan's Policy 12.5.7.
- The current policy states that new buildings require 10 percent of parking spaces to be set for electric vehicle charging stations and another 10 percent to be rough wired in for potential future installation.
- It was suggested that the recommendation should include charging alternatives rather than eluding specifically to electric vehicle charging stations.
- Staff wondered if this should be included in the Zoning Bylaw instead.

- It was suggested that a sentence be included in the recommendation regarding rebates.

ACTION ITEM: Committee member J. Lawrence to continue working on the draft document by condensing the content and including a possible recommendation to Council.

ACTION ITEM: The Committee to further review the draft document to provide comments at the next meeting.

Councillor Kristjanson left the meeting at 5:35 p.m.

7. OTHER BUSINESS

7.1 Consideration of the Trees Report

The Committee discussed the Trees report which was referred to staff and the Governance and Legislation Committee for consideration.

It was noted that a portion of the recommendations from the report would go to the next Governance and Legislation Committee.

8. INFORMATION

8.1 COMMITTEE ACTION TRACKING

The Committee discussed outstanding and accomplished items on the Committee Action Tracking document.

9. 2021 MEETING SCHEDULE


The following meeting schedule was approved by the Committee at the November 19, 2020 meeting and was provided below for information:

- March 18, 2021.

10. CONCLUSION OF THE MARCH 4, 2021 ENVIRONMENTAL ADVISORY COMMITTEE MEETING

The meeting concluded at 5:59 p.m.

R. Hynes, Chairperson



Chloe Richards, Committee Clerk

UNAPPROVED

Draft EAC Report to Council

Following Up on Council's Climate Emergency Declaration and Associated EAC Mandates

In its Resolution 2020-20 of 13 January 2020, Council requested the EAC, working with staff:

- (a) In the context of its mandated review of the Environmental Strategic Plan, to give priority consideration to that Plan's climate change-related elements, and in so doing to consider also the 2010 Community Climate Action Plan and climate change-related elements of the 2017 OCP.*
- (b) To recommend updated emission reduction targets, aligned with targets established by Metro Vancouver in July 2019, and consistent with current provincial and federal goals and the latest IPCC work.*
- (c) To recommend steps, including appropriate public consultation measures, to ensure that the City's climate change goals, policies and actions are updated and consolidated into the Official Community Plan as part of the ongoing OCP review exercise.*

Over the past year, the COVID19 crisis and demands of other priorities precluded initiation of the strategy review envisaged in *subparagraph (a)*. The COVID19 crisis also led Council to reduce the scope of the OCP Review exercise cited in resolution *subparagraph (c)*. Notwithstanding these unavoidable disruptions, the need for effective action to address the challenges of climate change has not abated. This reality was underlined in Council's recently revised Strategic Priorities (2021-22) which cast environmental stewardship as the second of six broad goals and declare reducing GHG emissions a "high priority".

Updating the OCP's obsolete GHG emission targets -- as envisaged in *subparagraph (b)* of Resolution 2020-20 -- could be an important first step in refocussing attention on this priority.

An update of the City's emission reduction targets is long overdue. In 2017, the current OCP committed to updating the targets within two years. White Rock's current target -- to reduce emissions to 10% below 2007 levels by 2020, 50% by 2050 -- was adopted with the 2010 Community Climate Action Plan, which proposed a "soft sell" starting path, considerably less ambitious than the then-extant provincial targets (which have themselves been substantially altered since then). This target is thus badly out of date and out of synch with current higher level targets and goals of relevance to White Rock. Specifically:

- At the global level, Canada is party to the Paris Agreement goal of limiting global warming to well below 2, preferably 1.5, degrees Celsius compared to pre-industrial levels.
- Nationally, Canada committed in 2016 under the Paris Agreement to reduce national emissions to 30% below 2005 levels by 2030. In 2019, Canada declared that its national reductions would exceed the 2030 target and that it would achieve zero net emissions by 2050.
- Provincially, BC's 2018-legislated target is: 40% below 2007 levels by 2030, 60% by 2040, 80% by 2050. In 2020, an "interim" target was set at 16% below 2007 levels by 2025.
- At the regional government level (where BC law requires the setting of targets): In 2019, Metro Vancouver adopted the goal of carbon neutrality by 2050, with an interim target of 45% below 2010 levels by 2030.

As at the regional government level, BC law requires municipal OCPs to “include targets for the reduction of greenhouse gas emissions in the area covered by the plan, and policies and actions ... proposed with respect to achieving those targets.” [Sec. 473(3) Local Government Act] However, experience since the 2010 adoption of White Rock’s current targets calls into question the utility and feasibility of setting and monitoring independent community-wide targets for sub-regional entities, especially small municipalities like White Rock. BC municipalities can and do provide meaningful inventories of “corporate” (city operations) emissions; but the Province appears to have abandoned the regular compilation of community-wide inventories around 2012. Consequently, it may be more realistic and practical to express any updated targets for White Rock in terms of a recognition and endorsement of higher-level government targets and a commitment to action within the City’s jurisdiction and capabilities to contribute to the pursuit of those higher level goals.

Against this background, **the EAC recommends that Council take the earliest opportunity to introduce the following updated language for OCP Policy 12.5.1**, if possible as part of the package of amendments to be considered in the current OCP review exercise:

The City of White endorses the current GHG emission reduction targets of the Governments of Canada, BC and Metro Vancouver, in particular the shared commitment to achieve net zero emissions, or carbon neutrality, by 2050. The City will undertake all possible measures within its jurisdiction and capabilities to contribute to the realization of these targets, including through the achievement of carbon neutrality in its corporate operations by 2030 and by actively promoting the reduction of community-wide GHG emissions in White Rock.

To these ends, concrete plans will be developed and steps taken in all spheres enumerated under BC’s annual climate action reporting requirements, ie: broad planning, building and lighting, energy generation, greenspace protection and enhancement, solid waste management, transportation, water and wastewater management, and climate change adaptation efforts.

Adoption of this statement and its early inclusion in the OCP could set the scene for more concrete steps toward strengthening White Rock’s climate change mitigation and adaptation efforts in the year ahead, including EAC collaboration with staff to develop sector-specific plans in parallel with the preparation of the City’s next CARIP report.

EAC Report to Council, March 2021

Electric Vehicle (EV) Charging Infrastructure

The use of transportation fuels accounts for almost 38% of B.C.'s total greenhouse gas emissions annually. In the provincial climate change action plan announced in 2018, CleanBC, the Province of British Columbia committed to:

- Reducing greenhouse gas emissions from the use of transportation fuels
- Developing a low carbon transportation industry sector by supporting the transition to clean energy vehicles
- Expanding the range of transportation technology and low carbon fuel options for British Columbians

In line with these commitments, the Province passed the [Zero-Emission Vehicles Act](#) (ZEV Act) on May 30, 2019. The ZEV Act requires automakers to meet an escalating annual percentage of new light-duty ZEV sales and leases, reaching: 10% of light-duty vehicle sales by 2025, 30% by 2030 and 100% by 2040. Electric vehicles are currently the leading ZEV available and in production, and sufficient charging infrastructure will be critical to their success.

Current White Rock Policy

In a joint letter to the City in February 2020, the Victoria Electric Vehicle Association and Plug-in Richmond identified White Rock as one of a number of municipalities in BC with “exceptionally low EV infrastructure requirements”. The current White Rock OCP policy 12.5.7 reads;

Electric Vehicles – Require one electric vehicle charging station for every 10 parking spaces in new multi-unit residential and mixed use buildings. Provide rough-ins for an additional one electric vehicle charging station for every 10 parking spaces, for future use as electric vehicle use increases.

A review of the requirements in White Rock's neighbouring municipalities in Metro Vancouver indicates that many have more ambitious requirements than those specified in White Rock's 2017 OCP (see attached Supplemental Information). In several of these municipalities, the requirements were updated following the 2018 announcement of CleanBC and the ZEV Act.

For a small municipality like White Rock, many of the options and initiatives available to address climate change will require the City, with its limited resources and fiscal capacity, to seek collaboration, funding and support from other levels of government. Therefore, if the City is committed to taking action on climate change, it is important to demonstrate this commitment by taking every available opportunity within its means to contribute to the wider regional, provincial, and national goals. The establishment of forward-looking, best practice requirements for EV Charging Infrastructure in new buildings is an opportunity for White Rock to take action to reduce transportation related greenhouse gas emissions.

In addition, current and prospective residents will recognize White Rock as a City with the kinds of programs and amenities which make it a desirable location to live and work.

Options for EV Charging Infrastructure

According to recent data, there is a high cost for the retrofit of existing parking spaces in multi-residential buildings;

“a single EV charger in apartments participating in incentive programs in B.C. has averaged about \$7,000, with many buildings facing significantly higher costs”.

As a component of this cost, a charging station’s hardware (apart from the electrical conduit and load capacity) varies from \$400 to \$4,000 for a level 2 unit (EV charging terminology is explained in the attached Supplemental Information), depending on required features and the location for installation. Metro Vancouver suggests the total cost of a retrofit can be as high as \$20,000 per unit. Clearly, even with a variety of retrofit incentive programs in place, these costs will be a challenge.

The most efficient and cost-effective delivery of the basic infrastructure for EV charging (electrical conduit and load capacity) is during initial construction.

“Making parking EV-ready typically adds 1-to-2 per cent to the overall cost of constructing new onsite parking...”

However, it does not follow that full installation of charging units is always most efficient at initial construction. The actual charging hardware/unit which connects to this electrical infrastructure comes in a variety of configurations. For example, units can be for charging a single vehicle or 2 vehicles simultaneously or include the technology for power sharing among up to 4 charging units. Although the charge per vehicle is not as rapid when the electrical load is shared (though a vehicle will be charged overnight), the upfront costs per parking stall can be 50-60% lower than single user units. Some units provide the user with free power, while others are configured for user-pay, with different costs depending on how the use is tracked and costs recovered.

In some cases, new apartment or strata owners may not own an EV and will not immediately require a charging unit. On the other hand, some builders may find that providing a fully outfitted charging unit, user-pay or otherwise, shared power or single user, is an enticement to buyers. With the variety of charging units and configurations available, and with more innovations likely to come in the future, the builder, the strata, and/or the individual owner are in a better position than the municipality to determine which is best for their needs.

Some municipalities have focused on requiring that a percentage of parking stalls in new construction be equipped with complete Level 2 charging stations. In the alternative, some municipalities have opted for a focus on “EV ready” requirements, with the installation of charging units for later determination.

Incentives and Rebates

Federal - The federal government has recognized the importance of EV charging infrastructure and has provided for higher capital cost allowances under the Tax Code.

Provincial - CleanBC has a variety of incentives and rebates for homeowners, builders, and stratas through FortisBC or BC Hydro in their respective delivery areas. These incentive programs include retrofits as well as new building construction, with complete charging hardware and/or EV readiness. For example, the most recent program provided funding of up to \$600 per parking stall for EV ready infrastructure installation, and \$1,400 to \$3,400 per charger for installation of charging hardware.

Proposal to amend OCP Policy 12.5.7

Considering the variables involved in determining appropriate policies and bylaws to enable EV charging infrastructure in new buildings, an ambitious requirement for “EV readiness”, as opposed to complete charging stations, has become the recognized best practice. A strong requirement for EV readiness provides for a future reliant on electric vehicles. At the same time, EV readiness avoids onerous upfront

expenditures which may be unnecessary in the near-term transition period, limit the future utilization of innovations in charging hardware, or fail to anticipate the development of other zero emission technologies which do not require electrical charging stations.

In view of the importance of effective EV charging infrastructure requirements, the EAC recommends that OCP Policy 12.5.7 be amended as follows;

Electric Vehicles- Require the following electric vehicle charging components in new residential, multi-unit residential, and commercial buildings. A minimum of;

- *1 Level 2 EV-ready parking stall in single-family homes with garages*
- *20% of parking stalls to be Level 2 EV-ready in commercial buildings*
- *100% of resident parking stalls to be Level 2 EV-ready in multi-unit residential buildings*
- *50% of visitor parking stalls to be Level 2 EV-ready in multi-unit residential buildings*

Adoption of this amendment will provide the foundation for amending the zoning bylaw as it pertains to electric vehicle charging infrastructure.

Supplemental Information - EV Charging Infrastructure Requirements

Background material and information used in this document is available via the following;

<https://pluginbc.ca/>

<https://electricautonomy.ca/2021/01/07/ev-readyresidential-buildings/>

<https://electricautonomy.ca/2021/02/11/multifamily-building-ev-retrofit/>

<http://www.metrovancouver.org/services/air-quality/climate-action/transportation-programs/ev-strata-condo/key-info/chargers-installation-costs/Pages/default.aspx>

<https://goelectricbc.gov.bc.ca/>

<http://www.metrovancouver.org/layouts/download.aspx?SourceUrl=http%3a//www.metrovancouver.org/services/air-quality/AirQualityPublications/SiteAssessmentTool-EVstation.xls>

EV Charging Terminology

Level 1 Charging

Level 1 is known colloquially as a “trickle charge.” All EVs come with a cordset that plugs into the car’s J-1772 or Tesla port with the other end plugging into a standard home wall outlet.

- Uses a connection to a standard 120-volt outlet
- Charges 8 km per hour
- Takes 12 to 20 hours to fully charge a battery EV (6 to 12 hours for a plug-in hybrid)
- Used mostly in homes

Level 2 Charging

Level 2 chargers are very common and can be found at community centres, parks, shopping malls, hotels, parkades and rest areas. Electric vehicle owners typically install one in their home garage using a 240v connection.

- Uses a connection to a 240-volt outlet, like those used by ovens and clothes dryers
- Charges 30 km per hour
- Takes 6 to 14 hours to fully charge a battery EV (4 to 8 hours for a plug-in hybrid)
- Used in homes, businesses, and common areas

Level 3 Charging

Level 3 charging is better known as Direct Current Fast Charging or simply ‘fast charging’. These charging stations enable most EVs to charge to 80% in under an hour, making road trips easier and quicker.

- Uses a direct current connection to an electrical system
- Charges 100 km per 30 minutes or 80% charge at 50 kW (varies by vehicle type)
- Takes 1 to 4 hours to fully charge a battery EV (15 minutes to 3 hours for a plug-in hybrid)
- Used mostly in businesses and common areas

“EV-Ready”

This refers to the provision of wired electrical conduit and sufficient load capacity (at the electrical panel) to provide for installation and operation of charging station hardware. For example, an L1 “EV-ready” parking stall still requires the installation of a 110v receptacle before an EV can be plugged in.

Current White Rock Policy and Bylaw for EV Charging Requirements in New Buildings

OCP policy 12.5.7;

Electric Vehicles – Require one electric vehicle charging station for every 10 parking spaces in new multi-unit residential and mixed use buildings. Provide rough-ins for an additional one electric vehicle charging station for every 10 parking spaces, for future use as electric vehicle use increases.

Bylaw 2262 (Amending Bylaw 2000)

4.17 Provision of Electric Vehicle Charging Infrastructure

4.17.1 For new buildings that include multi-unit residential uses, a minimum of 1 of every 10 off-street parking spaces shall feature an energized outlet capable of providing Level 2 charging or higher to the off-street parking space.

An additional 1 of every 10 off-street parking spaces shall feature roughed-in electric vehicle charging infrastructure, including an electrical outlet box located within 3 metres of the parking space. Where more than 1 of every 10 off-street parking spaces features an energized outlet capable of providing Level 2 charging or higher is provided, the minimum number of off-street parking spaces featuring roughed-in electric vehicle charging infrastructure may be reduced by the number of off-street parking spaces that feature the energized outlets beyond the minimum requirement. This section does not apply to new buildings with fewer than 10 off-street parking spaces.

4.17.2 Energized outlets, provided pursuant to Section 4.17.1 above, shall be labelled for their intended use for electric vehicle charging.

4.17.3 Where an electric vehicle management energy system is implemented, the Director of Engineering may specify a minimum performance standard to ensure a sufficient rate of electric vehicle charging.

Comparison of EV Charging Requirements in other Municipalities

In a joint letter to the City in February 2020, the Victoria Electric Vehicle Association and Plug-in Richmond identified White Rock as one of a number of municipalities in BC with “exceptionally low EV infrastructure requirements”. Many of White Rock’s neighbouring municipalities in Metro Vancouver have more ambitious requirements than those currently specified in the city’s OCP.

City of Burnaby

[Zoning Bylaw 13903, Amendment Bylaw No. 24, 2018](#) includes provisions for electric vehicle charging requirements for new residential developments.

- All parking spaces for dwelling units shall include an energized outlet capable of providing Level 2 charging or higher
- Includes single-family homes and multi-family buildings of all sizes
- Exceptions include visitor and secondary suite parking, and parking for existing units
- Bylaw is in effect starting September 1 2018.

City of Coquitlam

The zoning bylaw has been amended to include EV parking spaces. See Part [714 of the bylaw](#).

- July 30th 2018. See the requirements guide.
- All new constructions must have one energized outlet capable of L2 charging for every dwelling unit (includes single family and MURBs).

City of New Westminster

- Starting April 1, 2019, all new buildings that contain at least one residential unit will be required to install a Level 2 (208 to 240 volt) energized outlet to the residential parking spaces. [See details here](#).
- Please view the City's updated [Development Permit Area \(DPA\)](#) guidelines to learn more about the recommended EV charging infrastructure for new commercial, institutional and industrial buildings.

City of North Vancouver

The zoning bylaw has been amended to include 100% EV ready parking in multi-unit residential buildings:

- This applies to development or building permit applications accepted for review on or after June 1, 2019.
- All parking spaces in new residential buildings must have a labelled, energized outlet capable of providing Level 2 charging for an electric vehicle.
- This includes all new single family, coach houses, duplexes, triplexes and apartments, as well as parking spaces for shared vehicles.
- Secondary suites are not included.
- EV energy management systems or "load sharing" can be used to meet the requirements

District of North Vancouver

[Implementation of EV Charging Infrastructure with Development](#) policy requiring multi-family, commercial, and industrial builds, document 2380934. Approved in 2014.

- Multi-family in District of North Vancouver:
 - 20% of parking stalls are EV-ready (wired for L1 charging)
 - Conduit in place for 100% of parking stalls to be wired for L1 in the future
- Commercial/Industrial in District of North Vancouver:
 - Approximately 10% of parking stalls are EV-ready (wired for L2 charging)

City of Port Coquitlam

[Zoning Amendment Bylaw 4035](#) requires EV charging in new builds (residential and mixed use):

- In effect Jan 23 2018

- For a residential building other than a building with a common parking area, one parking space per dwelling unit shall be provided with roughed-in electric vehicle charging infrastructure including an electrical outlet box located within 3 metres of the unit's required parking space.
- For a residential building with a common parking area, a separate single utility electrical meter and disconnect shall be provided in line with the electrical panel(s) intended to provide for charging of electric vehicles located within 3 metres of the unit's required parking space.
- In a mixed-use building including residential uses and a common parking area, a separate single utility electrical meter and disconnect shall be provided in line with the electrical panel(s) intended to provide for charging of electric vehicles located within 3 metres of the unit's required parking space.

City of Port Moody

EV ready requirements appear in bylaw 2937 Section 6.11 March 1, 2019.

- See the technical bulletin [here](#).
- All spaces in new residential constructions require an energized outlet capable of L2 charging.
- 20% of spaces in new commercial constructions require an energized outlet capable of L2 charging.

City of Richmond

[Zoning Bylaw 8500](#) requires EV charging in new builds (residential only), revising bylaw 9756.

- October 15, 2017.
- 100% of new residential parking spaces, excluding those provided for visitors use, shall have access to an adjacent energized outlet capable of providing Level 2 charging.

City of Surrey

The zoning bylaw was amended on February 25, 2019 to require Electric Vehicle (EV) charging infrastructure in ALL new residential and commercial developments.

- February 25, 2019. See the technical bulletin [here](#).
- 100% of residential parking spaces in new residential developments must each have an installed energized electrical outlet capable of providing Level 2 charging for an electric vehicle. This requirement applies to both single-family and multiple unit residential dwellings.
- 50% of visitor parking spaces in multiple unit residential developments must each have an installed energized electrical outlet capable of providing Level 2 charging for an electric vehicle.
- 20% of parking spaces in new commercial developments must each have an installed energized electrical outlet capable of providing Level 2 charging for an electric vehicle.

City of Vancouver

[Building Code Bylaw 10908](#) requiring EV charging in new builds (commercial and residential), revised bylaw Electric Vehicle Charging s 10.2.3.

- This [bylaw was updated](#) on March 14, 2018 to increase the percentage of EV-ready stalls in multi-unit residential buildings from 20% to 100%
- For new buildings current bylaw requires:
 - 1 EV-ready stall in single-family homes with garages
 - 10% of stalls be EV-ready in commercial buildings
 - 100% of stalls be EV-ready in multi-unit residential buildings

2019-2021 ENVIRONMENTAL ADVISORY COMMITTEE MEETING ACTION TRACKING

Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date <i>(Red indicates Completed Items)</i>
2019-07-24	Action item	Item 8 – Environmental Strategic Plan	Staff to provide a progress report on the implementation of the action plan in the ESP for the Committee at their next scheduled meeting.	Director of Engineering and Municipal Operations	Provided at September 5 meeting
2019-07-24	Action item	Item 9 – Integrated Storm-Water Management Plan	Staff to provide an update on the status of items listed under table E.1: Recommendations (page ix) and Section 6- Implementation Plan in the Integrated Stormwater Management Plan to the Committee for review at their next scheduled Committee meeting.	Director of Engineering and Municipal Operations	
2019-07-24	Action item	Item 9.2 – Signage at the Beach/ Memorial Park	Committee member D. Riley to provide images of the previously implemented signs to the Committee for their information.	D. Riley / Committee Clerk	Sent via email
2019-07-24	Action item	Item 9.3 – Tree Management Bylaw 1831 and Tree Management on City Lands – Policy 611	Committee Clerk to email Committee members Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611 for their information.	Committee Clerk	Sent via email
2019-09-05		Item 6 – Environmental Strategic Plan & Integrated Storm-Water Management Plan	Staff to provide link for the City's Aquifer Protection Plan, and the September 9 Tree Canopy report to the Committee for information.	Director of Engineering and Municipal Operations	Tree Canopy Report – Provided at the October 3 meeting. Aquifer Protection Plan provided by email March, 2020.

Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date <i>(Red indicates Completed Items)</i>
2019-09-05	2019-315 Council recommenda tion to EAC	Item 7 – Tree management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT Council refers the following documents to the City’s Environmental Advisory Committee for input:</p> <ul style="list-style-type: none"> • White Rock Tree Management Bylaw, 2008, No. 1831; and • Engineering and Municipal Operations Policy No. 611, with the following topics for consideration: <ul style="list-style-type: none"> ○ Tree Management on City Lands for review from an environmental perspective / protecting our environment for recommendations to come back to this committee in the Fall 2019. ○ Tree Management on City Lands for review and make recommendation(s) as to how they should change in regard to Council oversight of trees before they are taken down. 	Referred to the Committee	Committee is working through item
2019-09-05	2019-EAC-010	Item 7 – Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee form a Sub-Committee to examine both Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611; and,</p> <p>THAT the following members serve on the Sub-Committee:</p> <ul style="list-style-type: none"> • S. Crozier; • D. Riley; and, • I. Lessner. <p>Motion rescinded - 2019-EAC-032. Created a working group</p>		
2019-09-05	2019-EAC-012	Item 8 – Motion regarding Bylaw 1119 and Extending the Current Prohibition of Dogs to Encompass Finlay to Bergstrom	THAT the Environmental Advisory Committee (the Committee) recommends that Council consider bringing any changes to existing City Bylaws regarding the beach to the Committee for their consideration.	Council	September 30 Council meeting. Referred back to Committee for further explanation

Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date <i>(Red indicates Completed Items)</i>
2019-09-09	2019-342	Regular Council meeting referral to EAC – White Rock Pier/ Options for Southwest Floating Facility and Pier Reconstruction Update	<p>THAT Council:</p> <ol style="list-style-type: none"> 1. Receives for information the corporate report dated September 9, 2019 from the Director of Engineering and Municipal Operations titled “White Rock Pier – Options for Southwest Floating Facility”; 2. Directs staff to begin full public engagement and concept plan development for the future activities at White Rock Pier’s reconstructed southwest floating facility; and 3. Directs that the corporate report be forwarded to the Environmental Advisory Committee for their comment and expertise. 	EAC	Committee to continue discussion on this item in 2020.
2019-09-30	Council back to EAC	October 24 EAC meeting – 2019-EAC-025	<p>THAT Council refers Recommendation 2019-EAC-012 back to the Environmental Advisory Committee so its intention can be explained further to Council:</p> <p>THAT the Environmental Advisory Committee (the Committee) request that Council receive the following statement with respect to motion 2019-EAC-12: <i>The Committee notes that, given the environmental implications of activities on or near the water, it considers that any bylaws or amendments thereto that have the potential to affect water quality or environmental conditions on the shore should be reviewed from an environmental perspective. The Committee stands ready to review and provide advice on any such questions Council may wish to refer to it.</i></p>	EAC	Provided for discussion on the October 24 agenda. Motion on Council agenda for February 10 th meeting. Received for information.
2019-10-03	Action item	Item 8 – Climate Emergency	Climate Emergency to be provided on the next Committee agenda for further discussion.	Committee Clerk	Added to October 24 meeting agenda

2019-11-14	Action item	Item 4 – Kaitlyn Blair, Earl Marriot Secondary School: White Rock Climate Protest	Committee Clerk to include Ms. Blair's letter in the agenda package as Part of the official record for the meeting.	Committee Clerk	Done
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2019-11-14	Action item	Item 4 – Kaitlyn Blair, Earl Marriot Secondary School: White Rock Climate Protest	The Committee to discuss the goals noted in Ms. Blair's letter with staff at the next scheduled meeting in preparation of staff's corporate report to Council in the new year.	Committee Clerk	Added to December 5 agenda
2019-11-14	Action Item	Item 6 – Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to provide the Committee with suggested changes for Tree Management on City Lands Policy 611 at the next scheduled meeting.	Staff	Provided in December 5 agenda package
2019-11-14	2019-EAC-028	Item 7 – 2019/20 Operational Plan for the Parks Department	<p>2019-EAC-028 <u>It was MOVED and SECONDED</u></p> <p>WHEREAS Parks Maintenance is currently based primarily on aesthetics, as outlined in the Canadian Landscape Standards, and available budget; and,</p> <p>WHEREAS White Rock's Parks Management Plan should specifically address the range of important environmental factors, such as use of pesticides, invasive species, native plants, water usage, climate change etc.; and,</p> <p>WHEREAS there is a growing field of sustainable landscape architecture with guidelines that include consideration of environmental factors, along with ecological design, use of low impact materials, and green infrastructure; and</p> <p>WHEREAS implementation of these guidelines is compatible with the City's requirements for budgetary discipline and acceptable aesthetic outcomes;</p>	Council @ their December 2 meeting	Endorsed. Working through actions in motion with staff

			<p>THEREFORE BE IT RESOLVED THAT the Environmental Advisory Committee recommends that the City adopt sustainable design principles and guidelines for the management of City parks. Further, it is recommended that the City develop, in consultation with the Environmental Advisory Committee, a multi-year plan to phase in implementation of sustainable design principles and guidelines into its annual Parks operational plans.</p> <p><u>CARRIED</u></p>		
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2019-11-14	Action Item	Item 8 – Semiahmoo Bay Water Quality	The Committee to work with the Director of Engineering and Municipal Operations to determine the appropriate person to invite from the Province. It was noted that this would occur in 2020.	D. Riley and J. Gordon	In progress.
2019-11-14	Action Item	Item 10 – Action Tracking	Committee Clerk to provide members with the Environmental Advisory Committee annual report	Committee Clerk	Emailed to all members
2019-11-14	Action Item	Item 12 – Environmental Advisory Committee meetings	Committee Clerk to provide additional 2020 dates to the Committee for consideration at their next meeting	Committee Clerk	Included in December 5 agenda package
2019-11-18	Council Referral	Kevin Thompson, Resident: Pollinator Friendly City	THAT Council directs staff to invite Kevin Thompson to the next Environmental Advisory Committee.	Committee Clerk to organize	Attending Feb 6 meeting

Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2019-12-05	2019-EAC-032/033	Item 4 –Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee rescinds motion 2019-EAC-010</p> <p>THAT the Environmental Advisory Committee creates a working group to do further research and organize information relating to Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611.</p>		<p>Working group established. (Note: SubCommittee motion 2019-EAC-010 rescinded).</p> <p>Item being discussed by the Committee as a whole.</p>
2019-12-05	2019-EAC-035	Item 5 – Climate Emergency	<p>THAT the Environmental Advisory Committee requests that Council:</p> <p>Joins other jurisdictions of Metro Vancouver in recognizing the “climate emergency” arising from critical threats that climate change poses on multiple fronts to regional ecosystems, city infrastructure and the well-being of White Rock’s citizens,</p> <p><u>Declares</u> its determination to ensure that the critical interests of White Rock and its citizens are protected and advanced in the fullest possible measure through the City’s climate change mitigation and adaptation strategies,</p> <p><u>Requests the Environmental Advisory Committee, working with staff:</u></p> <p>(a) In the context of its mandated review of the Environmental Strategic Plan, to give priority consideration to that Plan’s climate change-related</p>	Council	<p>January 13 Council meeting. Endorsed by Council. Working through actions in motion with staff</p>

			<p>elements, and in so doing to consider also the 2010 Community Climate Action Plan and climate change-related elements of the 2017 OCP.</p> <p>(b) To recommend updated emission reduction targets, aligned with targets established by Metro Vancouver in July 2019, and consistent with current provincial and federal goals and the latest IPCC work.</p> <p>(c) To recommend steps, including appropriate public consultation measures, to ensure that the City's climate change goals, policies and actions are updated and consolidated into the Official Community Plan as part of the ongoing OCP review exercise.</p> <p><u>Directs staff to:</u></p> <p>(a) Ensure that climate change mitigation and adaptation considerations are mainstreamed into decision-making and operations across all City departments and that climate change impact assessments expressly figure in all reports and recommendations to Council,</p> <p>(b) Keep Council apprised of work by Metro officials and committees to develop regional Climate 2050 Roadmaps, and of opportunities and requirements to ensure the City's interests and perspectives are taken into account in the Roadmaps process,</p> <p>(c) Advise Council of any organizational, human resource or financial requirements deemed necessary to ensure the effective implementation of this resolution, as well as opportunities to take advantage of regional, provincial</p>		
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			<p>and extra-governmental resources available to inform and support our climate change efforts,</p> <p>(d) Keep Council regularly informed of progress in the implementation of this resolution, including through briefings on the City's annual reports to the Province's Climate Action Revenue Incentive Program (CARIP).</p>		
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2019-12-05	Action Item	Item 5 - Climate Emergency	Staff to provide the Committee with information on where the funds from the Climate Action Revenue Incentive Program (CARIP) are allocated in the City and how these fund can be utilized in the future.	Director of Engineering and Municipal Operations	
2020-01-23	Action Item	Item 5 – Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to add the remainder of items (Increase Canopy coverage from current 17 to over 25% in 2 years; significant increase of replanting (replacement trees requirement), and the Greening of the City) to the next scheduled meeting for further discussion.	Committee Clerk	Added to Feb 6 agenda
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	Staff to invite Director of Planning and Development Services to the February 6, and February 20 th meeting to discuss timing, further targets etc. for the OCP review process as well as the Zoning Bylaw and Bylaw 1831	Committee Clerk	Invited to both meetings
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	Staff to invite Metro Vancouver to the February 20 th Committee meeting to provide presentation.	Committee Clerk	Confirmed for Feb 20 th
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	Councillor Johanson to provide additional information to the Committee on the timeline for the insurance claim surrounding the White Rock Pier/ West Wharf replacement.	Councillor Johanson	Info to be provided @ Feb 6 meeting
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date

					(Red indicates Completed Items)
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	Staff to provide an update on Council’s request that they start developing a concept for the White Rock Pier/ West Wharf replacement.	Director of Engineering and Municipal Operations	Added as a standing agenda item for updates as they arise.
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	D. Riley, Committee member, to provide information to staff following the February 18 th Shared Water Alliance meeting on which representative to invite from the Province to discuss water quality. Update to be provided to the Committee at the February 20 th meeting.	D. Riley	Information to be provided for Feb 20 th meeting. Committee to determine date for invitation –
2020-01-23	Action Item	Item 6 – Organization of Upcoming Agenda Items	Staff to invite Mr. Thompson to present at either the February 6 th or March 5 th Committee meeting.	Committee Clerk	Confirmed for Feb 6 meeting
2020-02-06	Action Item	Item 5 - Tree Management Bylaw 1831 and Tree Management on City Lands policy 611	S. Crozier and P. Byer to revise the proposed recommendations to incorporate Committee feedback and will provide another draft at the next meeting (February 20, 2020). Future revisions and adoption will be reviewed at the following meeting (March 5, 2020).	Members S. Crozier and P. Byer	In progress
2020-02-06	Action Item	Item 6 – Official Community Plan and Climate Change	R. Hynes, Chairperson, to review the relative sections in the Environmental Strategic Plan, the Climate Change Action Plan, and the OCP and propose an approach to the Committee’s mandate to review the City’s climate change strategies.	Member R. Hynes	Suggested approach (following CARIP review) discussed at the Feb, 20 th meeting. Review to take place in the same time period as staff would normally prepare the CARIP report.
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates

					Completed Items)
2020-02-06	Action Item	Item 7 – Information	White Rock Pier/ Wharf Replacement to be added to the next agenda for discussion	Committee Clerk	Added to Feb 20 Agenda
2020-02-20	Action Item	Item 7 – White Rock Pier/ West Wharf Replacement	White Rock Pier/ West Wharf Replacement to remain as a standing item.	Committee Clerk	Ongoing
2020-02-20	Action Item	Item 9.1 – Update from D. Riley re Provincial Representative Invitation	The Committee to determine a meeting date to invite the provincial representative to. Staff to extend an invitation to Council should they wish to attend the meeting.		postponed due to COVID-19. To be revisited when possible.
2020-09-24	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to send the Urban Forest Management to the Committee for information.	Manager of Planning	Information sent by email and provided in October 8 agenda
2020-09-24	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to provide the Committee with staff's suggestions for Policy 611 for information/ consideration.	Committee Clerk	Provided for information in October 8 agenda pkg
2020-09-24	Action Item	5.White Rock Pier/ West Wharf Replacement	Staff to provide the Committee with the updated consultant report, if possible.	Director of Engineering and Municipal Operations	Document provided on table at Sept. 28 Council meeting – link circulated to members by email
2020-09-24	Action Item	5.White Rock Pier/ West Wharf Replacement	P. Byer to submit an updated version of his previous summary regarding this matter to the Committee for information/discussion at a future meeting.	Committee Member P. Byer	
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)

2020-09-24	Action Item	6. Information	Staff to provide an update on Climate Action Revenue Incentive Program (CARIP) reporting.	Director of Engineering and Municipal Operations	Information sent by Email – reporting has been done
2020-09-24	Action Item	8. Environmental Advisory Committee Meetings	Staff to investigate the possibility of scheduling an alternate date for the October 8 th meeting.	Committee Clerk	Meeting to remain on October 8th
2020-10-08	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to provide an update/ explanation on the suggested changes for policy 611 (in relation to replacement tree cash in lieu amount) at the next meeting.	Planning Department	To be discussed at October 22 meeting
2020-10-08	Action Item	7. Other Business	Staff to provide the Committee with a brief report on the topic of Rodenticide in White Rock at a future meeting for discussion.	Director of Engineering and Municipal Operations	Estimated - 2021
2020-11-19	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	P. Byer, Committee member, to come back to the Committee with a potential recommendation on the subject of public notice.	P. Byer	Included in December 8 agenda package
2020-11-19	2020-EAC-022	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that, in the context of the ongoing Official Community Plan (OCP) and Zoning Bylaw review, staff be directed to develop proposals to:</p> <p>a) Give greater and more explicit priority to tree preservation in the requirements set by zoning and planning regulations across all Development Permit Areas;</p> <p>b) Give more explicit attention to tree preservation and canopy enhancement in the procedures governing the application of planning and zoning requirements. This could be achieved by amending the Planning Procedure Bylaw 2234 to require mandatory consideration – and written record- of implications for tree protection and canopy enhancements in all relevant Advisory Design Panel and Planning Department deliberations, decisions and recommendations to Council.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates

					Completed Items)
2020-11-19	2020-EAC-023	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that:</p> <p>(a) The process of developing an Urban Forest Management Plan be completed as soon as possible.</p> <p>(b) Key elements of the UFMP should include:</p> <p>(i) recognition that trees on both private and public lands are essential components of the urban forest and ecology of the city;</p> <p>(ii) setting an explicit canopy recovery target (eg, 27% canopy coverage by 2045);</p> <p>(iii) undertakings to increase the currently projected maximum number of trees (2500) that can be planted on City land and</p> <p>(iv) strategies for increasing lands on which the City can plant additional trees to help meet the target.</p> <p>(c) Progress in achieving any UFMP or canopy coverage goals should be monitored through the presentation of annual Tree Canopy Plan updates to Council (see Recommendation R20).</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-11-19	2020-EAC-024	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that Bylaw 1831, currently entitled "White Rock Tree Management Bylaw", be re-entitled as "White Rock Tree Protection Bylaw."	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)

2020-11-19	Action Item	5. Information	BNSF Lands to be added to tracking document for discussion at a later date.		Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-08	2020-EAC-029	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that Policy 611 "Tree Management on City Lands" be amended as follows:</p> <p>a) Change its title to "Tree Protection, Canopy Enhancement and Management on City Lands."</p> <p>b) Amend Section 1 as follows: "Policy: In managing trees on City land, it is the priority of the City of White Rock to protect existing trees and increase the number of healthy trees and amount of tree canopy and thus enhance and ensure the sustainability of the City's urban forest and realization of the environmental and esthetic benefits it provides. In this context, the interest of property owners in preserving or restoring private views obstructed by City trees will be addressed through a procedure described in annex 1 to this Policy. "</p> <p>c) In Section 3 "Management of City Trees" insert an additional clause (a.1) as follows: "</p> <p style="padding-left: 40px;">(a) The City manages trees on city lands: 1. For the overriding purposes of protecting existing trees and increasing the number of healthy trees and amount of tree canopy."</p> <p>d) Move Sections 5, 6, 7 and 8 to an annex to the Policy.</p> <p>e) Limit the criteria under which applications for approved pruning, crown thinning, or width reductions are accepted to those where the property owner has clearly demonstrated that the tree has increased in size to completely obscure a previously existing view from the application property, and to prohibit the topping or removal of city trees for the re-establishment of views. In addition, amend the policy to remove the definition of "narrow corridor" or "single object" views, and allow for the</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

			siting, species selection, and planting of new or replacement trees on City lands in all locations where future growth is not expected to completely obscure established views.		
2020-12-08	2020-EAC-030	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that the minimum size for the definition of a “protected tree” in Bylaw 1831 be reduced to a trunk diameter at breast height (DBH) 20 cm or less.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-08	2020-EAC-031	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee (EAC) recommends that Council direct staff to conduct a technical review and update the texts of Bylaws and Policies addressed in this report in order to identify any amendments, consistent with the EAC’s recommendations, that may be needed to ensure currency, clarity and consistency of these documents.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-08	2020-EAC-032	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that the regulations and policies concerning “significant trees” and “heritage trees” be reviewed and rationalized by establishing a consolidated definition of “significant Tree”, a “Significant Tree Policy” and a “Significant Tree Registry” applicable to trees on both public and private lands. These should draw on criteria and procedures derived from best practices in other municipalities and relevant provincial guidelines. Bylaw 1831 and Policy 611 should be amended to make clear that “significant” trees of any size will not be removed for other than safety reasons or as approved by Council.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2020-12-08	2020-EAC-033	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that Bylaw 1831 be revised by removing fruit trees, alders and cottonwoods from the definition of “lower value trees”.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
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Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2020-12-08	2020-EAC-034	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that Policy 611 be revised to:</p> <p>a) Rewrite that when the City is evaluating initiatives that might result in tree removal on City lands, all possible ways to protect the trees should be considered;</p> <p>b) If they must be removed, ambitious replacement requirements should be specified.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-08	2020-EAC-035	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that Council direct staff to review the current fees, securities, replacement values and fines related to tree removal and replacements to ensure they are commensurate with best practices conducive to achieving the goals of maintaining and increasing the number of healthy trees and the amount of tree canopy in the City.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-08	2020-EAC-036	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that Council direct staff to review the sufficiency of the methods and resources employed to ensure effective enforcement of Bylaw 1831 and Policy 611.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2020-12-08	2020-EAC-037	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Considering the central role played by private contractors in the management of trees on private property, the Environmental Advisory Committee recommends that staff maintain a record of contractors that contravene Bylaw 1831 or Policy 611 and take steps to ensure that such contractors are not hired by the City, that relevant fines are levied on them, and/or their business licenses are suspended or revoked.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
Meeting Date	Motion #/ Action Item	Agenda Item # & Title	Committee recommendation/ Action item	Staff/ Member Assigned	Status or Completion Date (Red indicates Completed Items)
2020-12-08	Action Items	5. Information	The use of plastics to be added to tracking document for discussion at a later date.		To discuss 2021
2020-12-17	2020-EAC-040	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that Bylaw 1831 be amended to permit the utilization of tree replacement security and deposit revenues for a range of activities to enhance and protect the City's tree canopy, including: the planting of trees on City lands, care and maintenance of trees on City lands, programs to encourage and support the planting of additional trees on private lands, and public education on the importance of enhancing and protecting trees and the tree canopy.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-17	2020-EAC-041	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that Council direct staff to review and improve the methods by which citizens and property owners are informed of the importance of tree preservation and the requirements of Policy 611 and Bylaw 1831, including the use of new tools for dissemination and for residents to notify the City when they believe that Bylaw 1831 or Policy 611 are being contravened.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2020-12-17	2020-EAC-042	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that:</p> <p>(a) The Policy 510 provisions regarding notice to adjacent property owners (para. 3) and applicant appeals (para. 6) be spelled out in Bylaw 1831 and extended to Type 3 (as well as Type 2) applications.</p> <p>(b) The annual Tree Canopy Report to Council (see R2c) include statistics regarding tree permit applications (of all types) received and approved or refused plus analysis of the consequent trends and implications for the effectiveness of the City's tree protection and canvas preservation and enhancement efforts.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-17	2020-EAC-043	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that:</p> <p>(a) City requirements for a business license as an arborist and the definition of arborist in Bylaw 1831 be amended to provide that International Society of Arboriculture (ISA) certification is the sole and exclusive credential required for receipt of a licence.</p> <p>(b) Procedures in Bylaw 1831 and Policy 611 be amended to require that City Arborists visit and inspect all sites under consideration before a tree permit is approved. The above narrative and R17 (a and b) have been fine-tuned to reflect EAC discussion and agreement at its October meeting.</p> <p>(c) Bylaw 1831 be revised to only allow City staff or agents to remove or plant trees on City lands.</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-17	2020-EAC-044	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that:</p> <p>(a) City requirements for a business license as an arborist and the definition of arborist in Bylaw 1831 be amended to provide that International Society of Arboriculture (ISA) certification is the sole and exclusive credential required for receipt of a licence.</p> <p>(b) Procedures in Bylaw 1831 and Policy 611 be amended to require that City Arborists visit and inspect all sites under consideration before a tree permit is</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and

			approved. The above narrative and R17(a and b) have been fine-tuned to reflect EAC discussion and agreement at its October meeting. (c) Bylaw 1831 be revised to only allow City staff or agents to remove or plant trees on City lands.		Legislation Committee.
2020-12-17	2020-EAC-045	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environmental Advisory Committee recommends that:</p> <p>(a) Bylaw 1831 be amended to establish:</p> <p style="padding-left: 40px;">(i) explicit criteria for approval of Type 2 and Type 3 tree management permits taking into account the provisions of Policy 510 and best practices in other jurisdictions including City of Vancouver.</p> <p style="padding-left: 40px;">(ii) appropriate criteria to govern decisions by City officials regarding the management of trees on City land.</p> <p>(b) Existing City policies, including 510 and 611, be revised to bring them into line with any bylaw amendments introduced pursuant to R18 (a).</p>	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2020-12-17	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	R13 to be discussed further at the next meeting to allow members to have extra time for consideration.		Added to agenda for discussion at January 7, 2021 meeting
2020-12-17	2020-EAC-022 to 2021-EAC-010	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Recommendations one through 20 to be provided to Council for discussion in early 2021.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2020-12-17	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	The Committee suggested that they need to re-work this proposal (R19) and to come back and discuss it further at the next scheduled meeting.		Added to agenda for discussion at January 7, 2021 meeting
2021-01-07	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Staff to provide a cover for the recommendations report, alerting Council the pros and cons on the recommendations so that Council can make a performed decision.	Staff	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2021-01-07	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	Chairperson to provide a finalized recommendation document for the next meeting, which they hope to adopt the final recommendations for then.	Chairperson	Added to the January 21 st , 2021 meeting
2021-01-21	2021-EAC-013	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee rescind the previously adopted R12.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
2021-01-21	2021-EAC-014	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee has no further recommendations in regards to R12.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2021-01-21	2021-EAC-015	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee rescinds the previously adopted R9.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.	2021-EAC-016	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Environmental Advisory Committee recommends that Council direct staff to review the current fees, securities, cash in lieu requirements, replacement values and quotas, and fines related to tree removal and replacements to ensure they are commensurate with best practices conducive to achieving the goals of maintaining and increasing the number of healthy trees and the amount of tree canopy in the City.	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.
Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.	2021-EAC-017	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	<p>THAT the Environment Advisory Committee adopts the entire Tree Management Recommendations report, including the executive summary and draft resolution report, with the following changes:</p> <ul style="list-style-type: none"> • Delete R12 and the narrative that proceeds it. • Make the following changes to 2. Tree Replacement Requirements, On Private Lands (text noted above): <ul style="list-style-type: none"> ○ On the second line, after "replacement trees", add "and/or to make cash in lieu payments for the City to plant trees elsewhere"; and ○ In the second sentence, remove "as well as the current replacement quotas based on size of the removed trees". • The newly amended R9, as voted in the above motion. 	To Council	Provided to Council at February 22, 2021 meeting. To be reviewed by Staff and the Governance and Legislation Committee.

2021-01-21	Action Item	4. Tree Management Bylaw 1831 and Tree Management on City Lands Policy 611	THAT the Chairperson rescinds the text of the report underneath the Works to Address Damage to Existing Buildings or Infrastructure section	Chairperson	To be reviewed at the February 4 th , 2021 meeting
2021-01-21	Action Item	7.1. Committee Action Tracking	The Chairperson proposed that the consideration of organization of work and remaining priorities be the first order of business at the February 4, 2021 meeting.	The Committee	Added to the February 4 th , 2021 meeting
2021-02-04	Action Item	4. Organization of Work and Priorities	P. Byer and J. Lawrence to review the relevant elements of the 2017 Official Community Plan and lead a discussion on their findings at the March 18th meeting. at the next meeting.	P. Byer & J. Lawrence	Added to the February 18 th , 2021 meeting
2021-02-04	Action Item	4. Organization of Work and Priorities	Committee Clerk to provide a link of the 2017 Official Community Plan as it has been completed so far to the Environmental Advisory Committee.	Committee Clerk	Sent on February 5 th , 2021
2021-02-18	Action Item	4. Discussion of Environmental Provisions Official Community Plan	Chairperson Hynes to present at the next meeting a draft report regarding an amendment to Policy 12.5.1 of the 2017 Official Community Plan's Green House Gas targets.	Chairperson Hynes	Added to the March 4 th , 2021 meeting.
2021-02-18	Action Item	4. Discussion of Environmental Provisions Official Community Plan	J. Lawrence to further review Policy 12.5.7, Electrical Vehicles, and provide a proposal regarding this policy for the following meeting.	Committee Member, J. Lawrence	Added to the March 4 th , 2021 meeting.
2021-02-18	Action Item	5.1. Electric Vehicle Parking Spaces	J. Lawrence to research other municipalities' plans regarding electric vehicles.	Committee Member, J. Lawrence	Added to the March 4 th , 2021 meeting.
2021-03-04	Action Item	5. Greenhouse Gas Reduction Target Proposal	The Committee to further review the draft resolution document to provide comments at the next meeting.	The Committee	Added to the March 18 th , 2021 meeting.
2021-03-04	Action Item	6. Electric Vehicle Charging in New Buildings - Possible Revision to OCP Policy 12.5.7	J. Lawrence to continue working on the draft document by condensing the content and including a possible recommendation to Council.	Committee Member, J. Lawrence	Added to the March 18 th , 2021 meeting.
2021-03-04	Action Item	6. Electric Vehicle Charging in New Buildings - Possible Revision to OCP Policy 12.5.7	The Committee to further review the draft document to provide comments at the next meeting.	The Committee	Added to the March 18 th , 2021 meeting.