



City of Port Moody

Minutes

Climate Action Committee

Minutes of the meeting of the Climate Action Committee held on Monday, November 22, 2021 via Zoom.

Present

Councillor Amy Lubik, Vice-Chair
Helen Howes
Mike Kasuya
Poopeh Morakkabati
Aidan Trerise
Derek Wilson

Absent

Councillor Meghan Lahti, Chair (Regrets)
Elaine Golds
Adam Janis
Shelley Moore (Regrets)

In Attendance

Jennifer Mills – Committee Coordinator
Laura Sampliner – Senior Sustainability and Energy Coordinator

Also in Attendance

Lucas Pitts, Acting Director of Policy, Planning, and Analysis in Water Services, Metro Vancouver (re item 4.1)

1. Call to Order

Call to Order

1.1 The Vice-Chair called the meeting to order at 7:04pm.

2. Adoption of Minutes

Minutes

2.1 CAC21/019

Moved, seconded, and CARRIED

THAT the minutes of the Climate Action Committee meeting held Monday, October 25, 2021 be adopted.

3. Unfinished Business

**Metro Vancouver
Residential Water
Metering Best
Practices**

4. New Business

- 4.1 Lucas Pitts, Acting Director of Policy, Planning, and Analysis in Water Services, Metro Vancouver
Attachment: Metro Vancouver, Residential Water Metering in Metro Vancouver, Best Practices Guide for Local Governments, dated August 2019

Lucas Pitts, Acting Director of Policy, Planning, and Analysis in Water Services at Metro Vancouver, gave a presentation on Regional Assessment of Residential Water Metering, and the following was noted:

- the installation of residential water meters is considered as a best management practice and is in place in most major cities outside the Lower Mainland;
- there has been little progression in the installation of water meters in single-family homes in Metro Vancouver in the last five years and that may be due to the need for funding, operational requirements, and maintenance plans;
- the Residential Water Metering in Metro Vancouver Best Practices Guide for Local Governments provides information about cost estimates, best practices, and a regional assessment of water consumption;
- the ability to track water usage through the installation of water meters can lead to a 5-10% drop in water consumption;
- the conditions experienced in the summer of 2021 are expected to occur more frequently and may include longer and drier summers, larger storms, bigger landslides, colder and wetter winters, and worsening water quality;
- the block inclining rate structure is a tiered rate structure in which the unit rate increases depending on the level of consumption and charges users a higher rates for usage over an established limit;
- the flat rate system is not billed by the household's water consumption and is typically influenced by a few high volume water users and results in all users paying the same rate;
- the use of water meters for billing ensures a fair and equitable way of charging by only charging users for the amount of water consumed by their individual household;
- the Drinking Water Conservation Plan has been updated and a ban on lawn watering now occurs at Stage 2 of the Plan; and
- the implementation of water metering in a municipality can be tailored to the community's needs and there are many strategies in place that could be referenced.

The Committee noted that Port Moody could create a voluntary water metering program with incentives for homeowners to participate.

Mr. Pitts left the meeting at this point and did not return.

2021 Climate Action Committee Annual Report

4.2 Attachment: 2021 Annual Report – Climate Action Committee

The Vice-Chair provided an overview of the 2021 Climate Action Committee Annual Report, and the following was noted:

- “residential water meters – pros and cons” to be moved and updated from Suggested Focus Areas for Next Year to Key Activities and Work Plan; and
- “passive house building” in Suggested Focus Areas for Next Year could be revised to “high performance residential building” to broaden the scope.

CAC21/020

Moved, seconded, and CARRIED

THAT the 2021 Climate Action Committee Annual Report be approved as amended.

Climate Action Plan Implementation – Quarterly Update

4.3 Presentation: Laura Sampliner, Senior Sustainability and Energy Coordinator

The Senior Sustainability and Energy Coordinator gave a presentation on Climate Action Plan (CAP) Implementation Update, noting the following:

- the CAP was initiated in 2018, adopted in 2020, and work commenced on Phase 1 of implementation in February 2021;
- the implementation phases run for one to two years each and may change during the implementation process due to new and updated information, policies, and science;
- the City is currently undertaking Phase 1 which includes the completion of 23 actions before the end of 2022;
- the focus of Phase 2 will be implementing the CAP and Phase 3 will include a review and update of the Plan to incorporate the changing dynamics of climate action and to ensure resources are being invested and allocated appropriately in order to reach the CAP goals and targets;
- the final steps of the CAP are scheduled for 2030 and will include a review of the completed and in-progress targets, and an assessment of the Plan to ensure best practices and climate science are incorporated;
- the key performance indicators (KPIs) have been summarized to help understand the current successes

- and failures and to provide baseline information;
- the City's Annual Report is scheduled to be released in February 2022 and will include highlights of the CAP's Implementation Plan's progress, updates undertaken to improve its performance, and a summary of KPIs;
- the CAP and the Council Strategic Plan both utilize Envisio software and there may be opportunities to connect climate action goals and Council strategic goals;
- the community and corporate inventories are being updated and compared against the KPIs for each action to track the progress of emissions reductions;
- there has not been a full community inventory release since 2016;
- the following updates were provided for each focus area:
 - Focus Area 1 – Buildings:
 - the Sustainability Report Card Update is in progress and the update will be presented to Council shortly;
 - the Facility Climate Audits are under way and Prism Engineering has been contracted to perform the energy audits on civic facilities to find opportunities to reduce emissions and greenhouse gases and implement adaptations;
 - the Climate Ready Homes and Building Plan survey has been launched and results from the survey will provide input to help create an equitable resilient zero emission Climate Ready Homes and Buildings Plan; and
 - the Federal and Provincial Building Advocacy work is ongoing with work being undertaken through the Help Cities Lead initiative;
 - Focus Area 2 – Transportation and Mobility:
 - the City's Operations Division is undertaking a fleet assessment to find opportunities to reduce greenhouse gas emissions through strategies such as right sizing of the fleet and switching to electric or hydrogen fuel cell vehicles;
 - a consultant has been contracted to help with the review and acceleration of the Master Transportation Plan (MTP) and to help put a climate lens on the MTP with the goal of encouraging active and low carbon emission transportation methods; and
 - the Zero Emissions Mobility Strategy will help find opportunities to transition to zero emissions vehicles, inform decisions about investment in zero emissions fuel structures, and provide information about ownership, management, and usability of zero emissions vehicle infrastructure;
 - Focus Area 3 – Waste Management and Reduction:

- the City is participating in the Metro Vancouver Solid Waste Subcommittee which helps inform improvements related to waste management in the region;
- Focus Area 4 – Land Use and Growth Management:
 - the development of Transportation Demand Management Strategy requirements for new developments will help ensure the creation of complete communities and inform the requirements for large neighbourhood scale developments;
 - the City has contracted Urban Systems to help develop the Strategy;
 - the Lower Mainland Flood Management Strategy is strategizing to ensure the Strategy consults the appropriate groups, and work is scheduled to commence again in early 2022; and
 - the Coastal Flood Management Strategy work is scheduled to commence in 2022 and will include consultation and exploring partnerships with the Port of Vancouver, local First Nations groups, neighbouring municipalities and villages, TransLink and others;
- Focus Area 5 – Emergency Response and Human Health:
 - the Committee could help inform the information and education outreach opportunities for the community;
 - the information could be delivered through the existing Port Moody Fire Rescue education and outreach channels;
 - the Extreme Weather Response Plan project scope is complete and scheduled to be presented to Council this week to seek a funding source; and
 - the Plan's scope has been expanded to ensure the impacts from extreme cold and heat, flooding, compounded events, and the effects on the vulnerable population are addressed;
- Focus Area 6 – Organization Wide:
 - the work on integrating climate budgets is being undertaken using Provero and is nearing completion;
 - the Finance Department has created a system that identifies budget items related to the CAP which can be extracted for reporting purposes; and
 - the Low Carbon Resilience Policy work is commencing and staff is working on developing an internal map that looks at tree canopy cover, the Vancouver Coastal Health climate change

- vulnerability assessment data, and greenhouse gas emissions for all buildings in Port Moody that will provide guidance to staff when considering new projects in the city;
- Focus Area 7 – Infrastructure:
 - the Operations and Engineering Division is creating new Stormwater Management Plans for different neighbourhoods in the city that consider climate projections;
- Focus Area 8 – Natural Environment:
 - the Environmentally Sensitive Areas (ESA) Management Strategy Update has been paused;
 - there are other existing ESA management strategies and considerations to support work related to the natural environment such as existing government tools, the original ESA Strategy, ecosystems services, restoration opportunities, and options for prohibiting rodenticide use;
 - the Climate Resilient Landscaping, Environmental Public Awareness, Erosions and Sediment Control Improvements work is ongoing; and
 - the Urban Forest Management Strategy and the Natural Asset Management Plan work is under way and will be a cross department collaboration between Finance, Policy Planning, and Environment and Parks, with consultant assistance.

The Senior Sustainability and Energy Coordinator advised that general climate action questions and requests for information can be emailed directly to climateaction@portmoody.ca.

Energy Step Code Update

4.4 Laura Sampliner, Senior Sustainability and Energy Coordinator

The Senior Sustainability and Energy Coordinator provided an update on the Energy Step Code, and the following was noted:

- the Energy Step Code was adopted by the City in 2019 and provides the framework to increase energy efficiency in new construction;
- the British Columbia Building Code (BCBC) is scheduled to be updated in 2022 and it is expected that the update will include an increase to Energy Step Code requirements to make Step 3 mandatory across the province;
- there is work under way and courses available through BCIT and other education institutions to ensure builders and local governments are supported and prepared for the updated requirements;

- the proposed timeline for adoption of Energy Step Code requirements in Port Moody was identified as the most favourable during consultation with the building community in 2019;
- the CleanBC 2030 Road Map references the inclusion of carbon pollution standards for new construction and could be a future regulation in the BCBC;
- the Energy Step Code focuses on an envelope first approach to energy efficiency by ensuring buildings have good insulation, are air tight, and have high performance windows and doors;
- there may be an opportunity in a future Energy Step Code update to address opportunities to choose non-fossil fuel sources for mechanical building systems through a greenhouse gas intensity metric;
- the Province is developing a greenhouse gas intensity metric for Part 3 and 9 of the BCBC that local governments can voluntarily incorporate into their Building Bylaw; and
- the development of the metric will include consultation with the local building industry and considerations for renewable natural gas and district energy systems.

5. Information

Staff Updates

- 5.1 The Senior Sustainability and Energy Coordinator advised that the *Considering a Heat Pump* Webinar is scheduled for November 24, 2021 and that the Climate Ready Homes and Buildings survey is available on Engage Port Moody, and encouraged Committee members to attend the webinar and complete the survey.

Considering a Heat Pump Webinar

- 5.2 Reminder to register for *Considering a Heat Pump* webinar on November 24, 2021 at 7pm.

Register here: <https://us02web.zoom.us/meeting/register/tZAtd-2qqiktGd3oOpVNWqPaEZNAV2N6HScT>

This item was provided for information only.

Climate Ready Homes and Buildings Survey

- 5.3 Reminder to complete Climate Ready Homes and Buildings survey.

Survey can be found here: <https://engage.portmoody.ca/climate-ready>

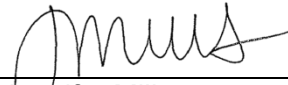
This item was provided for information only.

6. Adjournment

The Vice-Chair adjourned the meeting at 8:27pm.



Councillor Amy Lubik,
Vice-Chair



Jennifer Mills,
Committee Coordinator