

## Special Community Sustainability Advisory Committee Meeting to be held via Zoom

*\* If you'd like to watch or listen to the live Committee meeting, please email [Committees@Penticton.ca](mailto:Committees@Penticton.ca) 24-hours prior to the commencement of the meeting for the Zoom meeting participation details. You will have an opportunity to ask questions related to the agenda at the end of the meeting.*

Friday, August 20, 2021  
at 9:00 a.m.

1. Call Regular Committee Meeting to Order
2. Adoption of Agenda
3. Adoption of Minutes
  - 3.1 Minutes of April 21, 2021 Community Sustainability Advisory Committee 1-3  
**Staff Recommendation:**  
*THAT the Community Sustainability Advisory Committee adopt the minutes of the April 21, 2021 meeting as presented.*
  - 3.2 Minutes of June 2, 2021 Special Community Sustainability Advisory Committee 4-5  
**Staff Recommendation:**  
*THAT the Community Sustainability Advisory Committee adopt the minutes of the June 2, 2021 special meeting as presented.*
4. New Business
  - 4.1 Blue Communities Project – David Kassian, Community Sustainability Coordinator 6-16  
**Staff Recommendation:**  
*THAT the Community Sustainability Advisory Committee recommend that Council does not join the Blue Communities Project, but continues to support sustainable practices in our community through strategic initiatives related to the design and operation of our public infrastructure including water and wastewater systems and continues to increase the number of publicly available water bottle fill stations at City owned facilities and parks.*
  - 4.2 Climate Action Planning Update – David Kassian, Community Sustainability Coordinator 17-24  
**Staff Recommendation:**  
*THAT the Community Sustainability Advisory Committee receive into the record the report dated August 20, 2021 titled 'Climate Action Planning – Update'.*

5. **Next Meeting**

6. **Public Question Period**

7. **Adjournment**

## Community Sustainability Advisory Committee Meeting

to be held via Zoom  
Wednesday, April 21, 2021  
at 9:00 a.m.

**Present:** Chris Allen, Chair  
Randy Boras, Vice Chair  
Anne Hargrave  
Lyndie Hill  
Margaret Holm  
Nicolas Stulberg  
Philip Hawkes  
Tracy Van Raes

**Staff:** Kristen Dixon, General Manager of Infrastructure  
David Kassian, Community Sustainability Coordinator  
Ian Chapman, City Engineer  
Marc Vere, Lead Building Official  
Shawn Filice, Electric Utility Manager  
John Schappert, Legislative Assistant

**Regrets:** Julius Bloomfield, Councillor  
Amelia Boulton

1. **Call to Order**

The Community Sustainability Advisory Committee was called to order by the Chair at 9:02 a.m.

2. **Adoption of Agenda**

**It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee adopt the agenda for the meeting held on April 21, 2021 as amended to add item 5.3 – Volunteer Week.

**CARRIED UNANIMOUSLY**

3. **Adoption of Minutes**

3.1 Minutes of March 17, 2021 Community Sustainability Advisory Committee

**It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee adopt the minutes of the March 17, 2021 meeting as presented.

**CARRIED UNANIMOUSLY**

Tracy Van Raes arrived at 9:10 a.m.

Lyndie Hill arrived at 9:11 a.m.

#### 4. **Delegations**

##### 4.1 Nicolas Stulberg Re: Climate Emergency Actions

Mr. Stulberg presented the Committee with information on Climate Emergency declaration statistics and highlighted declarations that have been passed by similarly sized municipalities.

The floor was opened for Committee members to ask questions and provide feedback. Comments from Members at Large revolved around how the Committee should move forward with this.

#### **It was MOVED and SECONDED**

THAT Committee members and City staff examine the details provided on the declaration of a climate emergency, and supporting documents; and

THAT staff report back to Committee on the actions that the City is currently taking, and provide a draft climate emergency declaration for consideration by Committee.

**CARRIED UNANIMOUSLY**

#### 5. **New Business**

The Committee agreed by consensus to amend the order of the agenda to deal with item 5.2 – Solar Panel and Net Metering before item 5.1 – Community Climate Action: Engagement Strategy, due to technical issues.

##### 5.2 Solar Panel and Net Metering – Kristen Dixon, General Manager of Infrastructure

The General Manager of Infrastructure provided details on the Solar Panel and Net Metering program, including proposed changes and staff commentary.

The floor was opened for questions from Committee members. Members at large asked about the billing process (for credits remaining at the end of the year) of the net metering program and staff indicated they would look into what the current process is. A member at large asked about the requirement for a building permit to install a solar panel system and staff gave comment on the current requirements and other possibilities. There was discussion regarding steps that could be taken to further efforts in this area.

#### **It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee receive into the record the report dated April 21, 2021 titled “Review of Solar Panel Permitting and Net Metering Processes”; and

THAT the Community Sustainability Advisory Committee recommend that City of Penticton staff examine the fee structure of similar utility service entities with the intention of recommending a reduced or subsidized fee structure for Penticton.

**CARRIED UNANIMOUSLY**

5.1 Community Climate Action: Engagement Strategy – David Kassian, Community Sustainability Coordinator

The Community Sustainability Coordinator presented details regarding the Climate Action Engagement Campaign, highlighting upcoming workshops, the overall process and the goals of the campaign. It was noted the draft engagement plan will be sent out to the Committee for feedback.

The floor was opened for questions from Committee members and member at large asked about the Committee's involvement throughout the campaign.

Lyndie Hill left the meeting at 10:30 a.m.

5.3 Volunteer Week – Kristen Dixon, General Manager of Infrastructure

Ms. Dixon highlighted that Council declared April 18-24 as Volunteer Week in Penticton and thanked the Committee and volunteers for their contributions.

6. **Next Meeting**

The next Community Sustainability Advisory Committee meeting is tentatively scheduled to be held on May 19, 2021 at 9:00 a.m. via Zoom.

7. **Public Question Period**

8. **Adjournment**

**It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee meeting held on Wednesday, April 21, 2021 adjourn at 10:45 a.m.

**CARRIED UNANIMOUSLY**

Certified Correct:

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John Schappert  
Legislative Assistant

## Community Sustainability Advisory Committee Meeting

to be held via Zoom  
Wednesday, June 2, 2021  
at 9:00 a.m.

**Present:** Chris Allen, Chair  
Amelia Boulton  
Anne Hargrave  
Margaret Holm  
Nicolas Stulberg  
Philip Hawkes  
Tracy Van Raes

**Council Liaison:** Julius Bloomfield, Councillor

**Staff:** David Kassian, Community Sustainability Coordinator  
Ian Chapman, Acting General Manager of Infrastructure/City Engineer  
Shawn Filice, Electric Utility Manager  
John Schappert, Legislative Assistant

**Regrets:** Randy Boras, Vice Chair  
Lyndie Hill

1. **Call to Order**

The Community Sustainability Advisory Committee was called to order by the Chair at 9:02 a.m.

2. **Adoption of Agenda**

**It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee adopt the agenda for the special meeting held on June 2, 2021 as presented.

**CARRIED UNANIMOUSLY**

Margaret Holm joined the meeting at 9:14 a.m.

3. **Adoption of Minutes**

4. **New Business**

4.1 Cancellation of Climate Action Revenue Incentive Program – David Kassian, Community Sustainability Coordinator

The Community Sustainability Coordinator presented an update of the Climate Action Revenue Incentive Program (CARIP), noting that the program was cancelled by the Province on May 11, 2021. As a result, 2021 will be the last year of the program.

The floor was opened for questions and comments from Committee members. Committee Members asked if the Province would still be providing the SOFI tool that they had in the past now that CARIP was being cancelled. Staff indicated that they had reached out to the Province to find out, but mentioned that there are alternative tools available if the SOFI tool is no longer provided. The Committee asked about the spending that had been done under this program and whether the City will have to take on a greater portion of funding in this area. Staff responded that the Province is still supporting the Climate Action Charter. Committee Members mentioned it may be worthwhile to bring an update regarding this program and its reserve funding to a future meeting.

5. **Next Meeting**

The next Community Sustainability Advisory Committee meeting is tentatively scheduled to be held on June 16, 2021 at 9:00 a.m. via Zoom.

6. **Public Question Period**

7. **Adjournment**

**It was MOVED and SECONDED**

*THAT the Community Sustainability Advisory Committee adjourn to a closed meeting pursuant to the provisions of the Community Charter as follows:*

*Section 90 (1)*

*(e) the acquisition, disposition or expropriation of land or improvements, if the council considers that disclosure could reasonably be expected to harm the interests of the municipality;*

*(j) information that is prohibited, or information that if it were presented in a document would be prohibited, from disclosure under section 21 of the Freedom of Information and Protection of Privacy Act;*

*(k) negotiations and related discussions respecting the proposed provision of a municipal service that are at their preliminary stages and that, in the view of the council, could reasonably be expected to harm the interests of the municipality if they were held in public.*

**CARRIED UNANIMOUSLY**

Certified Correct:

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John Schappert  
Legislative Assistant

# Memo to Committee

**Date:** August 20, 2021 **File No:** CSAC Agenda Folder  
**To:** Community Sustainability Advisory Committee  
**From:** David Kassian, Community Sustainability Coordinator  
**Subject:** Blue Communities Project Delegation

## Staff Recommendation

THAT the Community Sustainability Advisory Committee recommend that Council does not join the Blue Communities Project, but continues to support sustainable practices in our community through strategic initiatives related to the design and operation of our public infrastructure including water and wastewater systems and continues to increase the number of publicly available water bottle fill stations at City owned facilities and parks.

## Background

At the March 17, 2021 meeting of the Community Sustainability Advisory Committee (CSAC) the Blue Communities Project (BCP) appeared as a delegation. During the presentation, BCP presented sample resolutions based on recognizing water as a shared resource. The three main principles are:

1. Recognize water and sanitation as human rights
2. Ban or phase out the sale of bottled water at municipal facilities and events
3. Promote publicly financed, owned and operated water and wastewater services

The BCP delegation also provided a list of sample resolutions that support the three principles defined above. The full list of the BCP sample resolutions can be found in Attachment A of this document.

The Community Sustainability Advisory Committee discussed the matter with the following outcome:

**It was MOVED and SECONDED**

THAT the Community Sustainability Advisory Committee will refer the project and presentation to Staff for further consideration and additional investigation; and that Staff will report back to the Committee.

**CARRIED UNANIMOUSLY**

## Financial implication

Of the three BCP principles, only the one dealing with the banning of bottled water presents a financial implication. This is assuming the need for additional water bottle fill stations to compensate:

The cost of installing an outdoor water bottle fill station is approximately \$8,000 to \$10,000. The cost of installing an indoor water bottle fill station is approximately \$4,000 to \$6,000. Both costs can be higher or lower depending on the services required for the fill stations.

The financial cost associated with banning bottled water at City facilities and events is not fully known at this time, however if water bottle fill stations are required to compensate for the lack of bottled water then the costs could be as high as \$10,000 per outdoor station or \$6,000 per indoor station. The City will be applying to the federal Enabling Accessibility Fund in 2022, and a component of the application will be for increased water bottle fill stations that will be accessible to all.

## **Analysis**

The City of Penticton has met many of the objectives of the Blue Communities Project including operating a publicly owned water and wastewater system and providing potable tap water at public facilities and events. The objectives that the City have not met are banning bottled water at municipal facilities and events, and lobbying to various levels of government:

### **1. *Recognize the rights to water and sanitation:***

The BCP resolutions are based on providing access to potable water and campaigning to the Provincial and Federal governments to ensure all Canadians have safe and equitable access to potable water:

The City provides world class sanitary sewer and drinking water services to residents, and although Section 184 of the *Irrigation, Sewer and Water Bylaw (No. 2005-02)* allows for the disconnection of a water service to meet prudent fiscal management objectives this does not occur in practice for non-payment.

Lobbying campaigns to the Federal and Provincial governments are outside of the usual sphere of influence applied by the City and are not recommended by staff.

### **2. *Phasing out the sale of bottled water in municipal facilities and at municipal events:***

Bottled water is currently available in vending machines at the Community Centre, McLaren Arena, and the Museum and Library, and there is also access to tap water at these facilities. Staff can examine the existing contract with the vending machine company to determine if removing bottled water is in the scope of the contract. However bottled water does present an important, useful, convenient and safe alternative to make water available in many situations.

There are a total of 7 publicly available outdoor water bottle fill stations in the community (plus two Dog Park Water Taps), located at various City parks and trailheads, as well as a station located on Main Street between Wade Avenue and Nanaimo Avenue (locations available in Attachment B – Water Bottle Fill Stations). Also the preference of meeting organizers is to avoid the use of bottled water at meetings by a combination of water jugs, water coolers and access to tap water depending on the location. The City will continue to install water bottle fill stations in buildings and public spaces in the community.

There is currently no staff capacity to implement recommendations for additional lobbying on water bottle use and related reporting.

**3 – Promote publicly financed, owned and operated water and wastewater services:**

The City of Penticton operates a publicly owned water and wastewater system with no plans for privatization.

Lobbying campaigns to the Federal and Provincial governments are outside of the usual sphere of influence applied by the City and are not recommended by staff.

If the Committee feels strongly about incorporating additional programs that provide access to potable water into City operations, this work can be included in the upcoming Community Energy and Emissions Plan (CEEP). The CEEP will be submitted for endorsement by Council in 2021, and any water (sanitary or sewer) objectives will be recognized and affirmed by Council as part of this process.

In summary the City is already committed to many of the philosophies promoted in the BCP and does not need to become a Blue Communities Project affiliate to continue and expand upon the many sustainable initiatives already underway and planned for our community.

**Alternate recommendations**

The CSAC can choose to develop a different resolution for incorporation in the record.

**Attachments**

Attachment A – Blue Communities Project Supporting Documents

Attachment B – City of Penticton Water Bottle Fill Station Locations

Respectfully submitted,

David Kassian  
Community Sustainability Coordinator

Concurrence

Acting General Manager Infrastructure  IQC
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## Attachment A – Blue Communities Project Supporting Documents

### Blue Communities Project Supporting Documents March 17, 2021 Sample Resolutions

#### 1. Recognize the Rights to Water and Sanitation

WHEREAS almost 2 billion people around the world do not have access to clean drinking water, 4 billion people face severe water scarcity and 2.5 billion people do not have adequate sanitation; and

WHEREAS Indigenous communities in Canada have been disproportionately affected by lack of access to safe drinking water and sanitation; and

WHEREAS on July 28, 2010, the United Nations General Assembly passed a resolution recognizing the human rights to water and sanitation; and

WHEREAS on September 23, 2011, the United Nations Human Rights Council passed a resolution on the human right to safe drinking water and sanitation and called on governments to take concrete action by developing plans of action, establishing monitoring and accountability mechanisms, and ensuring affordable services for everyone; and

WHEREAS the Canadian Union of Public Employees, Eau Secours and the Council of Canadians have asked Canadian municipalities to assist in their effort to have the federal government protect water and sanitation as human rights;

WHEREAS recognizing the rights to water and sanitation is one of three steps needed to declare Penticton a Blue Community;

THEREFORE BE IT RESOLVED that Penticton recognizes and affirms that water and sanitation services are fundamental human rights.

BE IT FURTHER RESOLVED that Penticton would refrain from shutting off water and wastewater services in any residence where residents have an inability to pay their bills, and furthermore that Penticton make every effort to work with the resident to remediate the debt.

BE IT FURTHER RESOLVED that Penticton would call on the federal and provincial governments to enshrine the human rights to water and sanitation in federal and provincial law.

BE IT FURTHER RESOLVED that Penticton would call on the Government of Canada to develop a national plan of action to implement the human rights to water and sanitation.

Continued...

## Sample letter to the Federal Government

Dear Environment Minister Jonathan Wilkinson, and Minister of Infrastructure and Communities Catherine McKenna:

The municipality of Penticton recently became a Blue Community. A Blue Community is one that adopts a water commons framework by taking three actions:

1. Recognizing water and sanitation as human rights
2. Phasing out the sale of bottled water in public facilities and at municipal events
3. Promoting publicly financed, owned, and operated water and wastewater services

A water commons framework treats water as being shared by everyone, and the responsibility of all. Water is central to our lives and so it must be governed by principles and policies that allow for reasonable use, equal distribution and responsible treatment in order to preserve it for nature and future generations.

On July 28, 2010, 122 countries overwhelmingly voted to pass a resolution recognizing the human rights to water and sanitation. Since then, the UN Human Rights Council has passed two resolutions calling on governments to develop comprehensive plans and strategies to implement these rights, assess the implementation of the plans of action, ensure affordable water and sanitation services for everyone, and create accountability mechanisms and legal remedies.

We applaud the government of Canada for endorsing the human rights to water and sanitation at the Rio+20 United Nations Conference on Sustainable Development in June 2012. However, to give the resolutions life, we urge the federal government to enshrine water and sanitation as human rights in federal law and develop a plan of action that will implement these rights.

At any given time there are over 100 drinking water advisories in First Nations. Some of the long-standing water advisories include Shoal Lake No. 40, which has been under a water advisory for more than 17 years, as well as Kitigan Zibi and Nazko First Nations, both under do not consume advisories for more than 15 years.

As part of being a Blue Community, our municipality is opposed to the privatization of water and wastewater services, including through public-private partnerships. We urge you to support municipal infrastructure by investing in a national water and wastewater fund that addresses the growing needs of communities to maintain and strengthen water and wastewater systems. We call on the Government of Canada to respect the autonomy of municipalities and First Nations by providing needed infrastructure funding without attaching conditions. The most transparent and cost-effective way to fund infrastructure is to keep it publicly financed, owned, and operated. We urge the government to support communities' and municipalities' efforts to keep water and wastewater services public and community-run.

In order to protect our water sources and ensure clean, safe drinking water, we urge the federal government to develop legislation that recognizes the human rights to water and sanitation, establishes national enforceable drinking water standards and invests in public water and wastewater infrastructure in municipalities and community-run infrastructure in First Nations.

Sincerely,

## 2. Phasing out the sale of bottled water in municipal facilities and at municipal events

WHEREAS Penticton operates and maintains a regulated and sophisticated water treatment and distribution system that meets some of the most stringent water quality requirements in the world; and

WHEREAS the regulatory requirements for monitoring water quality contained in single-use bottled water are not as stringent as those that must be met by Penticton, and

WHEREAS single-use bottled water is up to 3,000 times more expensive than water from the tap in Penticton, even though bottled water can originate from municipal water systems;

WHEREAS resource extraction, packaging and distribution of single-use bottled water creates unnecessary air quality and climate change impacts, consumes unnecessary resources such as oil in the manufacturing of plastic bottles and fuel used in the transportation of bottled water to the consumer, and creates unnecessary recycling and waste disposal costs; and

WHEREAS Penticton's tap water is safe, healthy and accessible to residents and visitors, is readily available at most indoor public facilities, and is substantially more sustainable than bottled water; and

WHEREAS Penticton is investing in water bottle filling stations; and

WHEREAS when access to municipal tap water does not exist, bottled water can be an appropriate alternative; and

WHEREAS phasing out the sale and provision of bottled water in municipal facilities and at municipal events is one of three steps needed to declare Penticton a Blue Community;

THEREFORE BE IT RESOLVED THAT, where access to municipal tap water exists, single-use bottled water will no longer be sold in municipal facilities, from municipally owned or municipally administered concessions, or from vending machines in public facilities; and

BE IT FURTHER RESOLVED THAT single-use bottled water will no longer be purchased and provided at municipal meetings, events or work performed outdoors where access to municipal water exists; and

BE IT FURTHER RESOLVED THAT the availability of water jugs with municipal water will be increased at municipally-organized meetings and events; and

BE IT FURTHER RESOLVED THAT a staff and public awareness campaign will be developed to support the rationale for these changes; and

BE IT FURTHER RESOLVED THAT staff develop an implementation schedule with timelines that includes an assessment of access to tap water at municipal facilities; and

BE IT FURTHER RESOLVED THAT staff provide a progress report at regular intervals.

Continued...

### 3. Promoting publicly financed, owned and operated water and wastewater services

WHEREAS public health depends on equitable access to drinking water and sanitation systems; and

WHEREAS public ownership and operation of drinking water and wastewater treatment systems have been fundamental to access and quality over the past century; and

WHEREAS Penticton is committed to protecting water and wastewater systems from the consequences of privatization through “public-private partnerships,” or P3s, including:

- lack of transparency and public accountability;
- increased costs;
- higher user fees;
- multi-decade contracts that limit the policy options of future local governments;
- international trade deals providing private water companies with rights to sue municipalities that bring water services into public hands; and

WHEREAS the privatization of municipal water and wastewater treatment systems and services through P3s or contracting out turns water into a commodity to be sold for profit; and

WHEREAS the federal government is requiring much-needed improvements to wastewater standards – a situation that could open the door to privatization unless dedicated public infrastructure funding is provided to upgrade treatment facilities; and

WHEREAS keeping water and wastewater infrastructure public is one of three steps needed to declare Penticton a Blue Community; and

THEREFORE BE IT RESOLVED that Penticton oppose privatization in any form of water and wastewater treatment infrastructure and services, including through P3s or short-term service contracts, and resolve to keep these services publicly financed, owned, operated and managed; and

BE IT FURTHER RESOLVED that Penticton lobby the federal government to fulfill its responsibility to support municipal infrastructure by investing in the National Water and Wastewater Infrastructure Fund that would address the growing need to renew existing water and wastewater infrastructure and build new systems, and that would only fund public projects; and

BE IT FURTHER RESOLVED that Penticton forward this resolution to the Federation of Canadian Municipalities for circulation to its members.

**Further information:**

Council of Canadians <https://canadians.org/>

Blue Communities Project <https://canadians.org/bluecommunities>

(CUPE) <https://cupe.ca/water>

Blue Planet Project <https://canadians.org/blueplanetproject>

World Water Day <https://www.worldwaterday.org/>

Change.org Petition: <https://www.change.org/Blue-Communities-Project>

Barlow, Maude. "Whose Water is It Anyway? Taking Water Protection into Public Hands", 2019, ECW Press, Toronto

Campbell, Bruce and Barlow, Maude. "Take Back the Nation". 2002

<https://www.watercache.com/blog/2011/10/must-see-water-documentaries-provide-insight-into-future-water-crisis>

Continued...

**List of Blue Communities:**

Otterburn Park, Quebec	2020-10
Cégep de Saint-Jérôme, Quebec	2020-03
Vancouver, British Columbia	2020-03
Oka, Quebec	2020-03
Prévost, Quebec	2020-03
Lavaltrie, Quebec	2020-03
Union of British Columbia Indian Chiefs endorsement	2020-02
Mandeville, Quebec	2020-02
Saint-Alexis-des-Monts, Quebec	2020-01
Cornwall, Prince Edward Island	2020-01
Saint-Félix-de-Kingsey, Quebec	2019-12
Brussels-Capital Region, Belgium	2019-11
Saint-Félix-de-Valois, Quebec	2019-11
Los Angeles, California, U.S.A	2019-11
Roberval, Quebec	2019-11
Plessisville, Quebec	2019-10
Longueuil, Quebec	2019-10
Kempton, Germany	2019-10
Stratford, Prince Edward Island	2019-10
Gossau St. Gallen, Switzerland	2019-09
Victoriaville, Quebec	2019-09
Saint-Fulgence, Quebec	2019-06
Saint-François-de-Sales	2019-06

La Commission scolaire de Montréal (CSDM), Quebec	2019-05
Richmond, Quebec	2019-05
Jericho House, Youth Leadership, Justice & Spirituality Centre, Niagara Region, Ontario	2019-05
Monseigneur-A.-M.-Parent High School, Saint-Hubert, Quebec	2019-04
Trois-Rivières, Quebec	2019-03
Augsburg, Germany	2019-03
Medina Sidonia, Spain	2019-03
Thermaikos, Greece	2019-03
McGill University, Quebec	2019-03
Mòstoles, Spain	2019-03
Javea, Spain	2019-03
City of Montreal, Quebec	2019-03
Nicolet, Quebec	2019-02
Town of Danville, Quebec	2019-01
Cádiz, Spain	2018-11
Sisters of Mercy of Newfoundland	2018-10
Marburg, Germany	2018-07
Thessaloniki, Greece	2018-06
Reformed Church of Nydegkirche, Bern	2018-04
AEOPAS (a national Spanish network), Blue Communities Ambassador	2018-04
Berlin, Germany	2018-03
Neuchâtel, Switzerland	2018-03
Federation of the Sisters of St. Joseph of Canada	2017-12
EYATH in Thessaloniki, Blue Community Ambassador	2017-11
Munich, Germany	2017-10
Northampton, Massachusetts	2017-06
World Council of Churches	2016-10
University of St.Gallen, Switzerland	2016-09
City of St.Gallen, Switzerland	2016-09
Evangelisch-Reformierte Kirchgemeinde Spiez	2016-09
Federal University of Lavras, Brazil	2016-05
Paris, France	2016-03
District of Lunenburg, NS	2015-12
Thunder Bay, ON	2015-03
Tsal'alh, St'át'imc Territory	2015-01
Bayfield, ON	2014-10
Tay Township, ON	2014-04
Cambuquira, Brazil	2014-03
The City of Bern, Switzerland	2013-09
Evangelisch-reformierte Kirchgemeinde Bern-Johannes Church, Switzerland	2013-09
Thorold, ON	2013-07
Welland, ON	2012-11
Comox, B.C.	2012-10
Cumberland, B.C.	2012-07
Nanaimo, B.C.	2012-06
St. Catharines, ON	2012-05
Niagara Falls, ON	2012-04

North Vancouver, B.C.	2012-02
Ajax, ON	2011-12
Kingston, ON	2011-09
Tiny Township, ON	2011-09
Victoria, B.C.	2011-06
Burnaby, B.C.	2011-03

## Attachment B – City of Penticton Water Bottle Fill Station Locations

There are 7 Water Refill Stations and 2 Dog Park Water Taps in Penticton parks and in the downtown core:

- Skaha Lake Park
- Munson Mountain BMX Park
- Robinson Property
- Poplar Grove Trailhead
- Dunant Park
- Rotary Park
- Main Street (Wade Ave and Nanaimo Ave)
- Ellis Creek Dog Park (Dog Park Water Tap)
- Dartmouth Off-Leash Dog Park (Dog Park Water Tap)



# Memo to Committee

**Date:** August 20, 2021  
**To:** Community Sustainability Advisory Committee  
**From:** David Kassian, Community Sustainability Coordinator

File No: CSAC Agenda – 2021.08.20

**Subject:** Climate Action Planning - Update

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## Staff Recommendation

THAT the Community Sustainability Advisory Committee receive into the record the report dated August 20, 2021 titled 'Climate Action Planning – Update'.

## Project Update

The City is currently updating both the Community Climate Action Plan (will be renamed to Community Energy and Emissions Plan, or CEEP), and the Corporate Climate Action Plan. Milestones for both plans have already been achieved, most notably dedicated stakeholder workshops and energy and emissions modelling. Additional funding of \$20,000 was also leveraged through Emotive to provide additional resources to the transportation section of the CEEP.

## Staff and Stakeholder Engagement

### *Community Engagement*

Stakeholder workshops for the Community Climate Action Plan took place on June 10<sup>th</sup> and June 14<sup>th</sup> and were attended CSAC members, City Staff, and invited members of the community. CEA and the City staff hosted an online event designed to increase staff and key stakeholders' awareness of the City's approach to addressing climate action through bold actions and gathers input on their vision for Penticton's future using a scenario development exercise to create a 20-year vision for the City as a zero emissions community based on the desired *end-state* rather than forecasting.

The workshops were focused on how we can reduce community emissions emanating from transportation, buildings and solid waste. Miro boards were used during the workshop which allowed participants to share their ideas on moving climate action forward in Penticton as well as to define the current state. Examples of the Miro Boards can be found in Attachment A of this memo.

### *Corporate Engagement*

City staff attended two workshops dedicated to the Corporate Climate Action Plan in April and May. The focus of these workshops was to determine funding sources and actionable strategies to lower emissions from corporate owned buildings and the fleet. It was identified that conducting and implementing building

energy audits is a priority, and there are free audits and subsidized audits available from FortisBC for buildings with high natural gas and electricity consumption.

There will also be several draft policies that will be included for consideration in the revised Corporate Climate Action Plan:

- Green Fleet
- Green Purchasing/Climate Revolving Fund
- Urban Forest
- Solar Ready Corporate Buildings
- Climate Ready Infrastructure

*Next Steps – Community Engagement*

There will be an engagement period commencing in September that will target the broader public so that they may weigh in on the proposed actions in the CEEP and to also help set the new community emissions reduction target. The project will be featured on [www.shapeyourcitypenticton.ca/](http://www.shapeyourcitypenticton.ca/) and will provide residents with background documents, outcomes from engagement, proposed actions based on modeling results, and a survey to formally submit a response.

Committee members are encouraged to participate in the community engagement campaign and to use their channels to spread the message and increase participation in the survey.

**Energy and Emissions Modelling**

The last comprehensive community emissions inventory for Penticton was completed by the Province in 2010. As part of the climate planning update the CEA conducted a new emissions inventory for the community by utilizing local fuel sales and vehicle data, solid waste data, as well as natural gas and electric data for heating and cooling residential and commercial properties. Community emissions have increased since the 2010 inventory, from approximately 210,179 tCO<sub>2</sub>e (tonnes of carbon dioxide emitted) to 238,988 tCO<sub>2</sub>e.

Source	GJ	tCO <sub>2</sub> e	Est. Cost (\$)
Gasoline Vehicles	1,619,860	109,986	\$ 57,573,081
Diesel Vehicles	189,177	13,299	\$6,723,715
Residential Buildings	1,445,299	41,403	\$37,608,090
CMSI Buildings	1,458,580	41,146	\$39,093,616
Waste	-	33,154	
	<b>4,712,916</b>	<b>238,988</b>	<b>\$140,998,502</b>

*Table 1: Community GHG emissions – 2020*

Based on the emissions trends and current data, a Wedge Analysis chart was created to show the Business as Usual Forecast (BAU) and the impact that different emissions reductions activities can have on the BAU forecast. The Wedge Analysis can be found in Attachment B of this document and displays the impact of different activities in comparison to the current reduction target in the Official Community Plan and in comparison to the 1.5°C target set by the Intergovernmental Panel on Climate Change (IPCC). Some of the

future actions that will reduce local GHG emissions are outside of the scope of the City but are included in the Wedge Analysis, such as the Government of Canada's mandatory target for all new light-duty cars and passenger trucks sales to be zero-emission by 2035.

### **Emotive Clean Transportation Targets and Planning Pilot Funding Program**

The City successfully applied to the Emotive Clean Transportation Targets and Planning Pilot Funding Program to receive of \$20,000 for the purpose of developing clean transportation targets, plans, and policies for incorporation into the new CEEP.

Transportation accounts for 60% of Penticton's community greenhouse gas emissions and it is important to identify and engage in actions that will reduce these emissions. As we are currently drafting a new CEEP, this program will support and bolster the transportation section of the action plan. The funds will be used to support baseline setting and approach, public outreach and stakeholder engagement, target setting and the final report:

- **Baseline Setting and Approach**
  - Researching existing transportation plans and policies and other relevant plans, any community surveys, and best practices from similar-sized communities to develop key performance indicators for each mode of transportation (e.g. # of bike trips, vehicle kilometers travelled, emissions), and determine the current transportation mode split within Penticton.
- **Public Outreach and Stakeholder Engagement**
  - Community surveys to identify current modes of transportation taken, plus interest level and financial capability to switch modes (e.g. e-bikes, transit, EVs, and other e-mobility).
  - Business surveys to take stock of fleet, company plans regarding fleet fuel switching.
  - Attendance at community event(s) to gather information.
- **Target Development**
  - Summarize findings from outreach and focus groups.
  - Integrate CEEP actions on transportation.
  - Set new targets for transportation mode split using key performance indicators.
- **Final Report**
  - Inclusion as an appendix (Q2 – 2022) to the final CEEP

The timing of this funding program and our Community Energy and Emissions Plan update means that we can provide additional resources at no cost that support lowering transportation based emissions in the community.

**Attachments**

Attachment A – Community Engagement Miro Boards

Attachment B – Wedge Analysis Chart: Emissions Reductions by Action from BAU

Respectfully submitted,

David Kassian  
Community Sustainability Coordinator

Concurrence

Acting GM Infrastructure  IQC
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Buildings Category Miro Boards:

### Breakout 2 - Buildings

#### The Vision

**EXERCISE**  
Identify & Refine the 2040 Vision

Write the elements that make up your vision for this sector (A1).  
Afterward we will arrange them in common themes or patterns and refine the elements into a single vision statement (A2).

**Describe your vision for this sector in the year 2040**  
Write your answer on a sticky and place it below. Imagine a scenario that is unimpeded by limitations or constraints from past experience. You are not limited by current trends.

At least 50% of existing building stock will still be in service by 2040 so the need retrofit part 9 and part 3 buildings to be more energy efficient is key, help owners retrofit either through HELP program, or PACE program.

Setting a max ghg threshold (ghg intensity target) for all new buildings, including both operational and embodied emissions.

Heat pump technologies with low or zero GWP refrigerants (e.g. CO2)

Age in place, walkable, highly efficient homes, significant retrofits - including rental homes/appts.

Having % requirements in new builds for recycled material in new home construction

Climate resilience measures as a requirement for new build. E.g. Shading, back up power

Reto new builds for local materials in new homes

City block style shared spaces for work, daycare, offices and homes where resources are shared between multiple families

Building design with greywater use for landscapes

benchmarking - new

Capture rogue refrigerants, set up disposal programs

Focus on Brownfield development whenever possible

Focus on hydro electric infrastructure through renewable on-site generation

Reduce demand on hydro electric infrastructure through renewable on-site generation

Focus on Brownfield development whenever possible

to be

Identify someone to report back

Reduce 'x' % of building level scope 1 & 2 energy emissions from the baseline year

Focus on low water use landscaping and pollinator/bird/ butterfly habitat.

Educate people on behaviour change in terms of energy conservation and efficiency through programs, training, etc. Provide incentives to encourage them make energy efficient choices.

Reduce 'x' % of building level scope 1 & 2 energy emissions from the baseline year

More salvage materials out of tear downs and renovations

Healthy buildings, good IEQ.

Ability to age in place, built into the new developments (co-op housing)

Infill development, shrink footprint

Building design with greywater use for landscapes

benchmarking - new

City block style shared spaces for work, daycare, offices and homes where resources are shared between multiple families

Building design with greywater use for landscapes

benchmarking - new

Capture rogue refrigerants, set up disposal programs

Focus on Brownfield development whenever possible

to be

Identify someone to report back

#### Consolidate themes and refine the vision

**A2**

- Assign a scribe, gather themes and work to create a single vision from your groups ideas.

- deep energy use reductions in all new and existing buildings (toward net zero)

- focus on existing buildings (retrofit, PEER, etc.) - financing tools important

- fuel shifting toward low carbon energy sources (possibly ghg intensity targets)

- making better use of existing land

- onsite renewable energy generation (to avoid more site-C dams)

- water efficiencies within homes and in the landscape (e.g. xeriscaping/pollinator/fauna friendly)

- healthy (IAQ/IEQ), resilient buildings

### Breakout 2 - Buildings

#### The Baseline Current State

**EXERCISE**  
Identify & Refine the Current State

Write the elements that make up the current state for this sector (B1).  
Afterward we will arrange them in common themes or patterns and refine the elements into a single vision statement (B2).

**Describe the current state in the Municipality**  
Write your answer on a sticky and place it below.

lots of <10 yr old apartments and condos at 11 or below.

42% drop in emissions by 2030 (vs. 2018 numbers)

MURB's still being designed with heated/tempered parkades

City has planned and supported large new suburban neighbourhoods

many DIY solutions in place with little focus on energy

High rises don't support EV charging

no ICES incentives yet for city

Many homes in floodplain.

most downtowns vacant, or single storey

most houses use both electricity and gas

net metering is far slower and more expensive to set up than in Fortis Area

houses treated as lifesavings - not homes

Real estate association is not involved enough in the education to home buyers on energy efficiency (home energy labelling)

no mandatory Energuide labeling before a house is listed for sale. People are going in blind.

lots of older residential buildings which most that are poorly constructed re efficiency

poorly trained trades re: efficiency

Loss of affordable housing has electric baseboard heating contributing to energy poverty.

Diversity of archetypes/styles makes industrialized retrofits challenging (seen as the most cost effective).

rental homes and summer houses - mostly treated the same as single family

Realtors and appraisers not well versed in energy efficiency. Appraisers don't properly value energy conservation measures.

Holiday home owners have no incentive to retrofit

no generators that do deep energy audits - building codes - particularly ge-retrofits

Osyoos Indian Band - 160 homes retrofitted, FortisBC provided \$600,000 to budget. Shows how a focused and robust retrofit program is viable.

#### Consolidate themes and refine

**B2**

- Assign a scribe, gather themes and work to create a single representation of the current state from your groups ideas.

regulatory disincentives

most existing homes connected to gas

lack of policies on EV charging for buildings

trades + realtors not educated/supportive

no mandatory energuide labelling

Remember to be specific and identify someone to report back

# Solid Waste Category Miro Boards:

## Breakout 2 - Waste & Other

### The Vision

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### A1 Describe your vision for this scenario that is unimpeded by past experience. You are not making projections.

- RD has converted Ok Falls landfill, to a construction & demolition sorting facility. This resource is ready to go. An education piece. Could be helpful.
- Minimize renovation and construction waste
- Circular economy
- Repair cafe
- encourage refrigerant capture and disposal programs
- How do we recover food, and divert food waste for a circular economy (compost)
- Zero waste events & festivals, conventions, & wine festivals
- Creation of biogas through anaerobic digestion
- Zero waste
- Urban forest - canopy cover. Pentiction will have found a better way to support this, through new developments, and where can we increase urban forest canopy cover? Lots of work to be done there. They have started with early strokes. They have developed some mapping on this already, using Canada census data and overlaying with individual plots in the city. In the discovery place. Looking forward to... Forest fire risk is likely mostly low. Majority of trees are broadleaf, & can coordinate with fire department.
- not all waste is equal - finding those materials that have more impact, and reducing those.
- we'll find ways to go back to using less plastic again - pre-COVID
- we find ways to go back to using less plastic again - pre-COVID
- Expansion of great work done with farmers' market, waste reduction
- Zero emission HDVs collecting waste
- There have been shifts from styrofoam already to moulded cardboard.
- Helping the recycle sorting facilities by eliminating contamination - e.g. plastic bags
- Ideally we will have a zero waste future. And any waste that is created is reused or recycled.
- Parks - Pack in and pack out waste so current resources can be diverted to support parks in a different capacity
- Tourism businesses on board with waste reduction (inc. food - linkages with agri-tourism businesses, food producers, etc.)
- reduce the amount of materials that we need to recycle, and find ways to recycle more locally
- more flexible for urban design - taking inspiration from Europe - don't necessarily need such a large truck to move things

### A2 Consolidate themes and refine the vision

- Assign a scribe, gather themes and work to create a single vision from your groups ideas.

Circular economy - whatever waste is generated, is re-used beneficially. Food waste & yard waste converted to compost. Metal is disposed of / smelted locally. And we'll get to as zero waste as we can get. Any waste that can't be circular, some kind of power generation from the waste. & we start mining old landfills!

Matching the urban forest cover to the region. Achieving this through tree planting, and keeping existing mature trees. So we can ensure a healthy good canopy cover.

Tourism with a +ve net impact on the environment. Shift to a circular economy, and renewable energy. EVs, human-powered transportation. Helping businesses improve their energy efficiency in their buildings. Trying to support businesses, events, and festivals to reduce waste and carbon footprint.

### EXERCISE

#### Identify & Refine the 2040 Vision

Write the elements that make up your vision for this scenario (A1).

Afterwards we will arrange them in common themes or patterns and refine the elements into a single vision statement (A2).

## Breakout 3 - Waste & Other

### The BaseLine Current State

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### B1 Describe the current state in the Municipality

- Write your answer on a sticky and place it below.
- Waste is about 13% of our GHG emissions
- Landfill managed by RDOS, on City land. Private contractor (Waste Connections of Canada) collects residential waste, and MURB recycling. Commercial is a mix of Waste Connections, Waste Management, and Super Save Disposal.
- City has a biosolids project. Woodchips and sewage sludge mixed to create a compost. RD has applied for funding for pop up food waste composting sites. Oliver and Summerland are getting these, hopefully early next year. Grant was received back in 2019 through organics infrastructure grant.
- RDOS has made it a priority to divert commercial food waste. Commercial food waste is typically much cleaner than residential. RDOS wish to ban food from entering the landfill. So residential and commercial food waste will go to be composted. Anaerobic digestion could also be possible, to make biogas. RDOS is looking at this as well. Looking at digesters with Fortis.
- Limited food waste composting in the Okanagan. Some private businesses. LC Compost (Kelowna/Lake Country) and Spa Hills Compost (working with City of Vernon).
- Province has organics infrastructure program (OIP).
- First Things First Okanagan have been advertising shared peer to peer compost bins - ShareWaste platform (sharewaste.com)
- RD has purchased land, removing from ALR (application in process). Looking at food waste & biosolids composting, similar to the spot at Predator Ridge. They are looking at how this will affect rates, property tax, etc. Existing biosolids site is aging, and not compliant. Looking at a commonage style site. Can't currently compost food at their current site.
- Maybe 30% of organics from curbside (plus 11% of recyclables in residential). It may be higher than that for commercial (41% compostable organics, and then another 35% is recyclable material like plastic and paper) / MURB (37%).
- City currently only collects from residential. Recycling only from MURB. Barrier and opportunity that the City doesn't work with commercial sector.
- Corporate operations, waste generated - from staff, and also at parks & rec. Corporate waste is small footprint. Community waste is much larger. Constantly picking up abandoned materials. Recycling facilities are being provided for parks.
- TOTA works with GreenStep. Energy, water, and solid waste audit for tourism businesses. Receive a report on solid waste % that is compostable and recyclable. They go on site to get a sample of what can be diverted. They have worked with 36 businesses to date since program launched, and want to aggregate the data. TOTA is very interested in finding more ways to do this. Program is still in early stages but businesses are seeing opportunity. Particularly on food waste diversion. Opportunities to do this in a cost effective way are sometimes a barrier. More conversation to be had on how to make this concept easier.
- Single largest barrier for commercial recycling, is ability of someone to recycle that. There's no commercial framework for something like RecycleBC. On commercial side you are at the whim of changing commercial markets. Residential sector is

### B2 Consolidate themes and refine

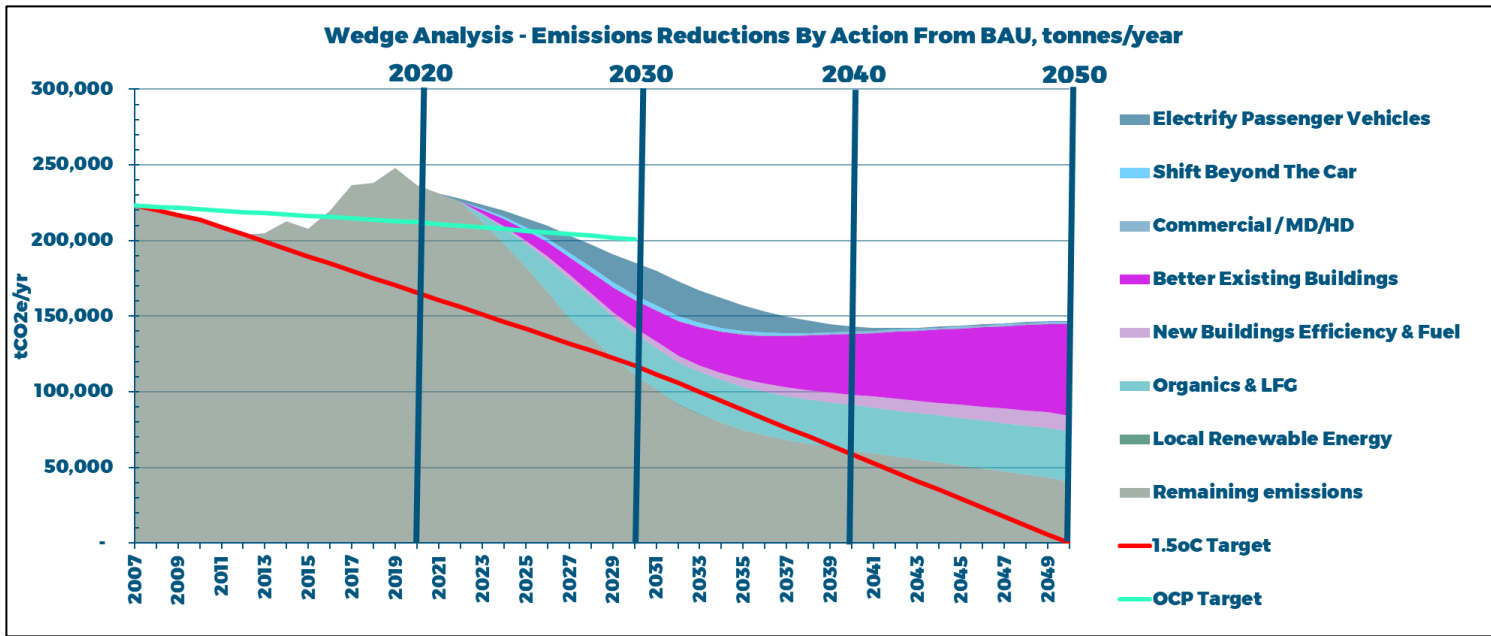
- Assign a scribe, gather themes and work to create a single representation of the current state from your groups ideas.

Two main things: food waste diversion (e.g. composting) in the works / projected, and standard recycling collection program. As region looking at composting and anaerobic digestion. A large portion of waste stream is food. And recycling, excellent program for residential right now, but commercial, no hand in that.

Great opportunity to work with commercial sector.

### Remember to

### Attachment B – Wedge Analysis Chart: Emissions Reductions by Action from BAU





## 2021 Community Sustainability Advisory Committee Meeting Dates

Meeting commences at 9:00 a.m.

Council Chamber, City Hall, 171 Main Street (Second Level) or via Zoom

Month	Date
January	20
February	17
March	17
April	21
May	19
June	16
July	21
August	18
<b>September</b>	<b>22</b>
October	20
November	17
December	8