

City of Kelowna Regular Council Meeting AGENDA



Monday, January 16, 2023
9:00 am
Council Chamber
City Hall, 1435 Water Street

Pages

1. **Call to Order**
2. **Confirmation of Minutes** 2 - 3
Regular AM Meeting - January 9, 2023
3. **Reports**
 - 3.1 **Public In Attendance, Tracy Gray, MP** 4 - 4
 - 3.2 **Background and Update - Climate and Environment Framework** 90 m 5 - 34

To provide Council with background on the Climate & Environment Framework and to update Council on recent progress and planned climate and environment related initiatives in 2023.
4. **Resolution Closing the Meeting to the Public**

THAT this meeting be closed to the public pursuant to Section 90(2) (b) of the Community Charter for Council to deal with matters relating to the following:

 - Confidential Information from the Province
5. **Adjourn to Closed Session**
6. **Reconvene to Open Session**
7. **Issues Arising from Correspondence & Community Concerns**
8. **Termination**



**City of Kelowna
Regular Council Meeting
Minutes**

Date: Monday, January 9, 2023
 Location: Council Chamber
 City Hall, 1435 Water Street

Members Present Mayor Tom Dyas, Councillors Ron Cannan, Maxine DeHart, Charlie Hodge, Gord Lovegrove, Mohini Singh, Luke Stack, Rick Webber and Loyal Wooldridge

Staff Present City Manager, Doug Gilchrist; Deputy City Clerk, Laura Bentley

Staff participating Remotely Legislative Coordinator (Confidential), Arlene McClelland*

(* Denotes partial attendance)

1. Call to Order

Mayor Dyas called the meeting to order at 10:00 a.m.

2. Confirmation of Minutes

Moved By Councillor Wooldridge/Seconded By Councillor Hodge

R0001/23/01/09 THAT the Minutes of the Regular AM Meeting of December 5, 2022 be confirmed as circulated.

Carried

3. Reports

3.1 Deputy City Clerk, Verbal Report, re: SILGA Nominations and Resolutions

Staff:

- Provided information on the SILGA call for nominations and resolutions ahead of the April 2023 Convention.

4. Resolution Closing the Meeting to the Public

Moved By Councillor Lovegrove/Seconded By Councillor Wooldridge

R0002/23/01/09 THAT this meeting be closed to the public pursuant to Section 90(1) (a) (i) and (l) and Section 90(2) (b) of the Community Charter for Council to deal with matters relating to the following:

- Personal Information regarding Officer Appointment
- Advice subject to Solicitor-Client Privilege
- Municipal Objectives, Measures and Progress Reports
- Confidential Information from the Province

Carried

5. Adjourn to Closed Session

The meeting adjourned to a closed session at 10:03 a.m.

6. Reconvene to Open Session

The meeting reconvened to an open session at 12:18 p.m.

7. Issues Arising from Correspondence & Community Concerns

7.1 Councillor Wooldridge, re: LGLA Conference

Councillor Wooldridge:

- Spoke to the attendance of the LGLA Conference.

City Manager:

- Recommended a blanket resolution for any member of Council who wants to attend the LGLA Conference.

8. Termination

The meeting was declared terminated at 12:18 p.m.

Mayor Dyas

lb/acm



Deputy City Clerk



A 2015 study by Correctional Service Canada showed, at admission to federal custody, 70% of men and 77% of women offenders suffered from a substance use issue.

SUPPORT BILL C-283

THE "END THE REVOLVING DOOR" ACT

WHY THIS IS NECESSARY

- Failing to treat mental health and addiction issues of individuals in our federal penitentiaries leaves open the revolving door of re-offenders affecting Canadians and their communities.
- We'll be better served in reducing recidivism, improving public safety, and bringing more confidence in our justice system by getting people help through curative treatment while they are serving time.

WHAT BILL C-283 CHANGES

- It creates a framework for the Commissioner of the Correctional Service of Canada to be able to designate all or a part of a federal correctional facility as an 'addiction treatment facility'.
- It amends the Criminal Code to support a two-stream sentencing process in federal penitentiaries. If convicted individuals meet certain parameters, at the time of sentencing, a judge could offer the choice to be sentenced to participate in a mental health assessment and in addictions treatment inside a federal penitentiary while they serve their sentence.

WHY PARLIAMENT SHOULD SUPPORT BILL C-283

- Current systems within justice dealing with individuals with mental health and addiction clearly need changes to help people, their families, and our communities.
- Bill C-283 is in line with the House of Common's support for Bill C-228 in the previous Parliament to establish a federal framework to reduce recidivism, where healing is the best path towards reducing recidivism in Canada

BILL C-283 HAS BEEN REVIEWED BY IMPORTANT STAKEHOLDERS

- 7TH STEP SOCIETY OF CANADA
- AMBULANCE PARAMEDICS AND EMERGENCY DISPATCHERS OF BC
- BUSINESS IMPROVEMENT AREAS OF BC
- CANADIAN FAMILIES AND CORRECTIONS NETWORK
- CHURCH COUNCIL ON JUSTICE AND CORRECTIONS
- CENTRE FOR JUSTICE EXCHANGE
- DRUG PREVENTION NETWORK OF CANADA
- MENNONITE CENTRAL COMMITTEE CANADA
- NATIVE COUNSELLING SERVICES OF ALBERTA
- QUAKERS FOSTERING JUSTICE
- ST. LEONARD'S SOCIETY OF CANADA
- SALVATION ARMY

"The introduction of Bill C -283 is important, as it is a firm step towards addressing the issue of addictions and its relationship to crime and recidivism. Equipping Correctional Service Canada with the legislative authority to address the drug crisis in an institutional setting provides the service with meaningful tools to help all Canadians address addictions and its relationship to crime."

- Marlene Orr, Chief Executive Officer, Native Counselling Services of Alberta

"By providing an intervention to those that suffer from addictions and mental health issues while incarcerated, it creates a safer, productive citizen post release into the community."

- Tina Naidoo, Chief Executive Officer Texas Offenders Reentry Initiative

"The relationship between substance misuse/dependence and criminal justice are quite inextricably linked, and Canada is in serious need of more tools in the toolbox! I believe Bill C-283 has the potential to create some of those tools."

-Anita Desai, President, National Associations Active in Criminal Justice

"Families are eager to help their loved ones inside and we commend you on taking this bill forward!"

-Louise Leonardi, Executive Director, Canadian Families and Corrections Network

Report to Council



Date: January 16, 2023
To: Council
From: City Manager
Subject: Background and Update – Climate & Environment Framework
Department: Planning & Development Services

Recommendation:

THAT Council receive, for information, the staff update on the Climate & Environment Framework, dated January 16, 2023.

Purpose:

To provide Council with background on the Climate & Environment Framework and to update Council on recent progress and planned climate and environment related initiatives in 2023.

Note: *Council feedback is intended to inform the set of actions to be taken to achieve Council's priority on Environmental Protection and Climate Change.*

Background:

Through [Imagine Kelowna](#), it is clear that climate action and stewardship of the natural environment are core community values, as exemplified through several of the established *Imagine Kelowna* goals:

- Take action in the face of climate change
- Protect land, water & air
- Protect agricultural land
- Preserve Okanagan Lake as a shared resource

To deliver on these goals, we focused on these four desired results:

1. Community and corporate greenhouse gas (GHG) emissions are decreasing.
2. Neighbourhoods and city infrastructure are resilient and adaptable to climate change.
3. Predictive modelling and forecasting are improving.
4. The City's response to extreme weather events minimizes disruption to delivering regular operations.

With Climate and Environment top of mind for the community, these priorities became pillars of the [2040 Official Community Plan](#) (2040 OCP) and were key considerations in other City plans (e.g., [2040 Transportation Master Plan](#)). Although completed prior to the *2019-2022 Council Priorities*, the [2018 Community Climate Action Plan](#) (CCAP) and [2018 Corporate Energy and GHG Emissions Plan](#) supported the GHG emissions reduction priority.

Through regular Reporting, between 2019 and 2022, staff indicated that three of the four Environmental Protection results (numbers 2-4 above) were generally trending in the right direction; however, progress on Result #1: community and corporate GHG emissions are decreasing, was trending in the wrong direction, particularly on the community-side.

While lack of progress on emissions reduction was the most notable gap on the Environmental Protection focus area, it was also recognized that the environmental focus was exclusively on climate change (e.g., reducing GHG emissions and preparing for the impacts of climate change). To have a complete understanding of the state of the natural environment in Kelowna, issues beyond GHG emissions and climate adaptation must be considered (e.g., biodiversity, habitat loss, water resources, and air quality).

Recognizing some of these gaps, a two-year term Champion of the Environment position was hired in 2021 to lead a comprehensive review of the City's climate action and environmental stewardship related work. The key objectives of the review were to:

1. Establish a Climate & Environment Framework (the Framework) for the City that will define and guide climate and environment focal points over the coming years, including priorities/themes and goals.
2. Identify gaps and future opportunities to advance corporate climate and environment performance.
3. Develop a series of practical recommendations/solutions that, if implemented, will result in tangible progress related to the City's climate and environment objectives.

In relation to Objective 1 of the review, the Framework is intended to be the City's roadmap to advancing the climate and environment elements of *Imagine Kelowna*. Informed by key City plans (e.g., *2040 OCP*, *2040 TMP*, *2018 CCAP*), it identifies five pathways forward to ensure City staff, Council, partners, stakeholders, and residents all have a common starting place for collaboration. The five pathways are shown below in Figure 1.



Figure 1: Climate Resilient Framework Five Pathways.

Each pathway has five desired results (i.e., the 'end-states' that must be met to advance each priority), that collectively help mobilize the *Imagine Kelowna* vision. The full Framework is presented in Part 2 of

the [Climate Resilience & Environmental Stewardship Review: Framework and Recommendations Report](#) (the Report), which was presented to and endorsed by Council on August 8, 2022.

Beyond the scope of the Report, the Framework will be used to track progress and guide environmental action in a more systematic and strategic manner at the City.

In relation to Objectives 2 and 3, the Framework was used to structure the recommendations for the Report. Quick Starts to mobilize the recommendations in the short-term were presented to Council at the Budget Program Overview & Deliberations on December 8, 2022.

Status Update:

The Framework was only recently endorsed through the Report, but it can still be used to frame progress on climate and environment related initiatives over the past few years using existing indicators and targets. Other metrics related to climate action and environmental stewardship are tracked through the 2040 OCP as key indicators and will be reported to Council this year. Progress is summarized in Attachment 1, but here are a few key takeaways:

- **Corporate Climate Leadership:** The 2018 [Corporate Energy and GHG Emissions Plan](#) targeted a 12 per cent reduction in GHG emissions relative to 2007 levels by 2022. Preliminary data suggests emissions decreased slightly in recent years, but final analysis will be completed through the *Strategic Energy Management Plan (SEMP)*, which will be finalized in 2023. A 2030 GHG emissions reduction target and a metric related to energy use intensity are also being established through the SEMP. Other KPIs related to this pathway will be explored in 2023.

- **Community GHG Emissions:** The most recent data shows that the community reduced absolute GHG emissions nearly four per between 2007 and 2016; however, emissions rose 3.7 per cent above 2007 levels in 2018 (Table 1). While variations in GHG emissions are noted from year-to-year due to various factors (e.g., weather – cold years will use more natural gas or electricity for heating; pandemic restrictions will reduce vehicle travel and fuel use), it is concerning that absolute emissions are increasing instead of decreasing. While an absolute reduction in GHG emissions is critical to reduce the impacts of climate change, progress is being made on a per capita basis. By 2018, the community achieved nearly 17 per cent reduction in per capita GHG emissions compared to 2007, providing a basis for future GHG reduction success.

Table 1: Kelowna community GHG Emissions for 2007, 2016, and 2018.

	Absolute GHG emissions (tonnes CO2e)	
	Total Emissions	% absolute change since 2007
2007	841,789	-
2016	808,874	↓ 3.9%
2018	874,156	↑ 3.7%

2019 and 2020 community GHG emissions inventories will be completed in 2023. Preliminary 2020 data indicates a decrease in absolute community emissions relative to 2007 levels is expected largely due to less travel during COVID-19 restrictions; however, it is unlikely those reductions will persist as pandemic restrictions ease.

Council endorsed more aggressive community targets (40 per cent GHG emissions reduction by 2030 relative to 2007 levels and net-zero by 2050) at the [June 20, 2022 Council meeting](#) (Item 3.7) and further community engagement is needed before the targets are updated in the 2040 OCP. Initiatives to help meet more aggressive emissions reduction targets will be outlined in the new *Climate Resilient Kelowna Strategy* being completed in 2023.

- **Climate Adaptation:** Adapting to climate hazards (e.g., wildfires, floods, extreme heat) is growing in importance, but to this point, clear indicators/targets have not been established for this pathway. This will be completed in 2023 through the completion of the *Climate Resilient Kelowna Strategy*. Nonetheless, progress has still been made on planning for major climate hazards such as wildfires and flooding. For example, the new [Community Wildfire Resilience Plan](#) was completed in Summer 2022, the FireSmart Community Chipping Pilot Program proved to be a success, and the Mill Creek Flood Protection – Diversion Upgrading Project continued.
- **Protect and Restore Natural Areas:** As Kelowna continues to grow and urbanize, the relationship between development and natural areas is increasingly under the microscope. Tree Canopy Coverage is one key indicator, and through the OCP, the City has tree canopy targets for urban centres (12 per cent), core areas (20 per cent), and the remainder of the city (25 per cent). As part of the *Sustainable Urban Forest Strategy* update, these targets are being reviewed to see if further refinements are needed (e.g., should targets be adopted for each growth strategy district) and how they align to the natural carrying capacity of the region. Current canopy coverage is being calculated through the *Sustainable Urban Forestry Strategy* using data sets that are currently available. Indicators will be reported on approximately every five years as data is available (e.g., as new LiDAR is flown).

Other updated datasets (e.g., Sensitive Ecosystem Inventory, Foreshore Inventory Mapping) are needed to provide a better picture of the state of the natural environment in Kelowna. The City is currently working with the RDCO to update the Sensitive Ecosystem Inventory.

- **Shift to a Circular Economy:** Solid waste management is largely facilitated by the RDCO, so it is important to clarify that the City does not have direct control or accountability over performance in this area. However, as the largest municipality in the RDCO and the operator of the Glenmore Landfill, the RDCO metric on disposal rates provide some insight into Kelowna's performance.

Through the regional [Solid Waste Management Plan](#), the target is to achieve an average municipal solid waste disposal rate of 600 kilograms per capita by 2022. Data from the RDCO indicates the rate was 639 kilograms per capita in the region in 2020 (2021 and 2022 numbers will be calculated later in 2023). The RDCO also has a waste diversion target that aims for a 50 per cent diversion rate by 2022; however, because of difficulty in measurement, the metric not calculated/tracked by the RDCO. The Glenmore Landfill achieved approximately 29.5 per cent recovery in 2022, but this does not include the regional Blue Box Program so is not comparable to the RDCO's waste diversion target.

Other indicators/targets for this pathway will be explored in 2023.

Next Steps:

Going forward, indicators/targets need to be updated or established for each pathway and the intent is to provide regular progress reports to Council.

To make short-term progress on the Framework, staff will begin implementing the Quick Starts that were endorsed through the [Climate Resilience & Environmental Stewardship Review: Framework and Recommendations Report](#) and the 2023 Budget Process, along with other initiatives proposed by various City departments and Council. Some of the key initiatives for 2023 related to each pathway are outlined in Attachment 1.

The recently endorsed Climate Action & Environmental Stewardship Manager position will work with the Senior Leadership Team and other staff to define and develop the governance systems to support these efforts.

Existing Policy:

- Imagine Kelowna goals:
 - Protect land, water & air
 - Protect agricultural land
 - Preserve Okanagan Lake as a shared resource
 - Take action in the face of climate change

- 2040 OCP (Draft) – Pillars:
 - Take action on climate
 - Protect and restore our environment

Future Policy:

- Council Priorities 2022-2026

Submitted by:

C. Ray, Champion of the Environment



Approved for inclusion:






Ryan Smith, Director of Planning & Development Services

Attachments: (1) Progress on Climate Resilience Framework Pathways

Attachment 1: Progress on Climate Resilience Framework Pathways.

Pathway	Key Indicators / Targets	Progress	Example 2022 Initiatives	Major 2023 Initiatives
 <p>Corporate Climate Leadership</p>	<p>Corporate GHG Emissions: 12 per cent reduction in GHG emissions relative to 2007 levels by 2022.</p> <p>(Note: A 2030 GHG emissions reduction target and a metric related to energy use intensity are also being established through the Strategic Energy Management Plan - SEMP)</p>	<p>Values to be determined through the SEMP in 2023.</p> <p>Preliminary data suggests emissions decreased slightly in recent years.</p>	<ul style="list-style-type: none"> • Implementing the <i>Green Fleet Strategy</i> that was completed in 2021. • Successful Zero-Emission Vehicle Infrastructure Program (ZEVIP) grant application. Funds will be used for 24 new City fleet electric vehicle chargers. • Began development of new <i>Strategic Energy Management Plan (SEMP)</i> to guide corporate energy and GHG emissions initiatives. 	<ul style="list-style-type: none"> • Finalize the SEMP • Develop a Corporate Green Building Policy • Begin the development of a Climate Lens Decision Making Tool • Continued electrification of the City's light duty fleet and installation of supportive EV charging infrastructure
 <p>Reduce GHG Emissions</p>	<p>Community GHG Emissions: 4 per cent reduction in GHG emissions by 2023 relative to 2007 levels (25 per cent by 2033)</p> <p>(Note: Council endorsed new targets in June/22: 40 per cent GHG emissions reduction by 2030 relative to 2007 levels, and net-zero by 2050)</p>	<p>2018: 3.7 per cent increase</p> <p>(Note: 2019 and 2020 community GHG emissions inventories being complete in 2023)</p>	<ul style="list-style-type: none"> • Began development of new <i>Climate Resilient Kelowna Strategy</i> to guide community GHG emissions reduction initiatives • Adopted Anti-Idling Bylaw • Addition of five Level 2 and eight Level 1 public electric vehicle charging stations • 25 municipal top-ups distributed in 2022 for fuel switching to air source heat pumps. 	<ul style="list-style-type: none"> • Complete <i>Climate Resilient Kelowna Strategy</i> • Develop and implement a pilot Home Energy Concierge Program for existing homes • Continue to offer heat pump municipal top-ups • Continue the installation of public EV charging stations based on the <i>Public Electric Vehicle Infrastructure Gap Analysis</i> completed in 2022 • Continue policy and program development to promote EV

Pathway	Key Indicators / Targets	Progress	Example 2022 Initiatives	Major 2023 Initiatives
				charging in multi-unit residential (e.g., EV-Readiness Policy)
 <p>Adapt to a Changing Climate</p>	<p>Key performance indicators being developed through <i>Climate Resilient Kelowna Strategy</i> in 2023.</p>	NA	<ul style="list-style-type: none"> • Began development of new <i>Climate Resilient Kelowna Strategy</i> to guide community climate adaptation initiatives • Completed new <i>Community Wildfire Resilience Plan</i> • Launched FireSmart Community Chipping Pilot Program • Continued Mill Creek Flood Protection Project 	<ul style="list-style-type: none"> • Complete <i>Climate Resilient Kelowna Strategy</i> • Continue FireSmart Community Chipping Program • Continue Mill Creek Flood Protection Project • Explore resilient roof space policy options
 <p>Protect & Restore Natural Areas</p>	<p>Urban Forestry Canopy: canopy targets of:</p> <ul style="list-style-type: none"> • 12 per cent within the Urban Centres; • 20 per cent within the Core Area; and • 25 per cent for the rest of the City (Gateway, Suburban Neighbourhoods and Rural Lands combined). <p>(Note: As part of the <i>Sustainable Urban Forest Strategy</i> update, these targets are being reviewed to see if further refinements are needed</p>	<p>Current canopy coverage is being calculated through the <i>Sustainable Urban Forestry Strategy</i> using data sets that are currently available.</p> <p>Indicators will be reported on approximately every five years as data is available (e.g., as new LiDAR is flown).</p>	<ul style="list-style-type: none"> • Began development of new <i>Sustainable Urban Forestry Strategy</i> • Collaborating with RDCO to complete an updated Sensitive Ecosystem Inventory (SEI) • Continued implementation of NeighbourWoods Program 	<ul style="list-style-type: none"> • Complete <i>Sustainable Urban Forestry Strategy</i> • Continue NeighbourWoods Program • LiDAR assessment and analysis for key environmental indicators

Pathway	Key Indicators / Targets	Progress	Example 2022 Initiatives	Major 2023 Initiatives
	(e.g., should targets be adopted for each growth strategy district) and how they align to the natural carrying capacity of the region.)			
 <p data-bbox="216 654 342 760">Shift to a Circular Economy</p>	<p data-bbox="373 459 711 703">Waste Disposal: average municipal solid waste disposal rate of 600 kilograms per capita by 2022 (regional target through RDCO <i>Solid Waste Management Plan</i>).</p> <p data-bbox="373 743 711 922">Waste Diversion: waste diversion rate of 50 per cent by 2022 (regional target through RDCO <i>Solid Waste Management Plan</i>).</p>	<p data-bbox="732 459 982 719">Waste Disposal: 2020 – 639 kilograms per capita for the RDCO (2021 and 2022 numbers will be calculated later in 2023)</p> <p data-bbox="732 768 982 1141">Waste Diversion: the metric is not calculated/tracked by the RDCO (approximately 29.5 per cent recovery at the landfill in 2022, but this does not include the regional Blue Box Program)</p>	<ul data-bbox="1014 459 1402 914" style="list-style-type: none"> • Hired a two-year term Agricultural Planner in Development Planning • Joined the Canadian Circular Cities and Regions Initiative (CCRI) Peer-to-Peer Network to understand circular opportunities • Initiated a Construction & Demolition Debris Study in partnership with the RDCO 	<ul data-bbox="1434 459 1871 678" style="list-style-type: none"> • Determine 'circular' opportunities through the CCRI Program • Complete CDD Study • Complete deconstruction of City-owned homes

Climate & Environment Framework: Overview, Update, and Next Steps

January 16, 2023

Agenda

- ▶ Background
- ▶ Climate & Environment Framework
- ▶ Status Update
- ▶ Next Steps

Why do we care?



Greenhouse Gas Emissions



A Changing Climate

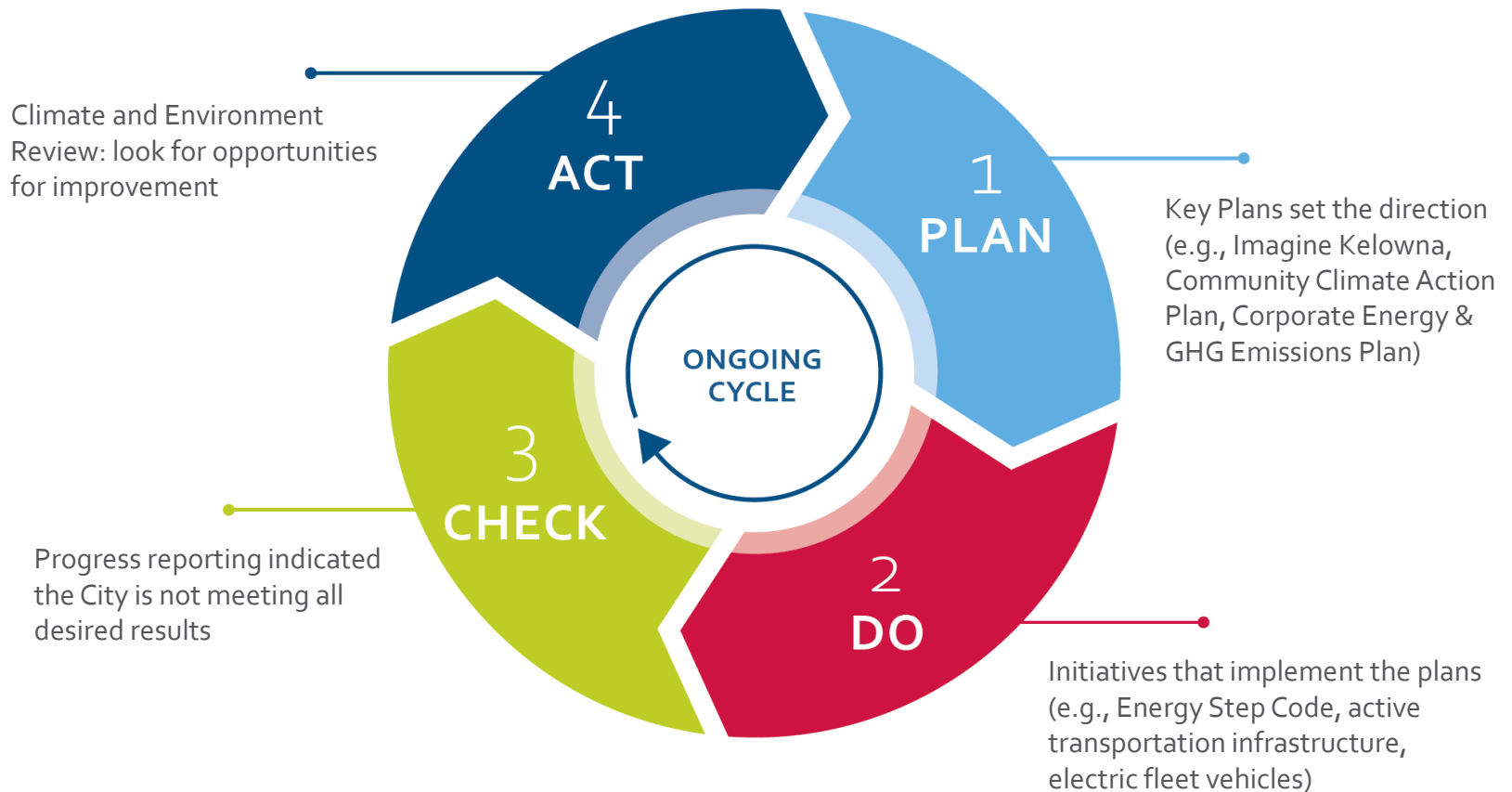


Impacts on Natural Areas



Waste

The City's Recent Approach



Climate and Environment Review: Process

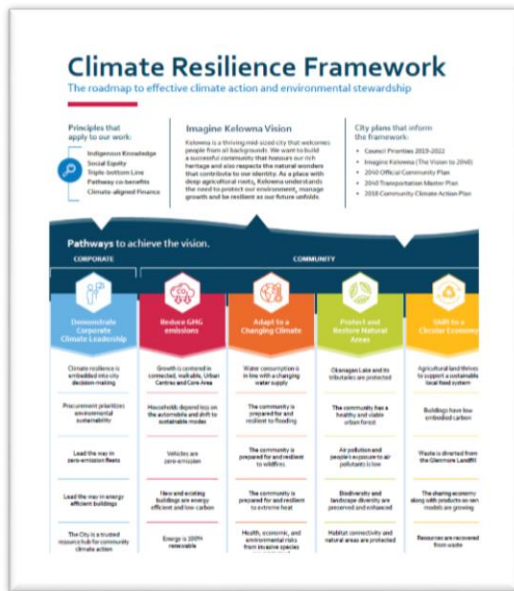




Framework

The roadmap to effective climate action and environmental stewardship

Framework



Demonstrate Corporate Climate Leadership



Reduce community GHG emissions



Adapt to a Changing Climate



Protect Natural Areas



Shift to a Circular Economy

“Kelowna is a thriving mid-sized city that welcomes people from all backgrounds. We want to build a successful community that honours our rich heritage and also respects the natural wonders that contribute to our identity. As a place with deep agricultural roots, Kelowna understands the need to protect our environment, manage growth and be resilient as our future unfolds.”

Pathways



Demonstrate Corporate Climate Leadership

- ▶ Climate Lens
- ▶ Sustainable Procurement
- ▶ Zero-emission Fleet
- ▶ Low-Emission Buildings
- ▶ Community Climate Resources



Reduce community GHG emissions

- ▶ Walkable, Connected City
- ▶ Alternative Transportation
- ▶ Zero-Emission Vehicles
- ▶ Low-Emission Buildings
- ▶ Renewable Energy



Adapt to a Changing Climate

- ▶ Water Conservation
- ▶ Flooding
- ▶ Wildfires
- ▶ Extreme Heat
- ▶ Invasive Species



Protect Natural Areas

- ▶ Okanagan Lake
- ▶ Urban Forest
- ▶ Air Quality
- ▶ Biodiversity
- ▶ Healthy Ecosystems



Shift to a Circular Economy

- ▶ Local Agriculture
- ▶ Embodied Carbon
- ▶ Waste Reduction and Diversion
- ▶ Resource Recovery from Waste
- ▶ Sharing Economy

Principles

- Recognize the value of local **syilx Indigenous Knowledge**
- Consider **Social Equity** in decision-making and implementation
- Prioritize initiatives with **“multiple-bottom-line”** benefits
- Prioritize initiatives with **co-benefits between Pathways**
- Balance **short-term savings with costs of inaction**



Source: Shaw et al. (2021). A Low Carbon Resilience Decision Tool for Local Government



Status Update



Corporate Climate Leadership

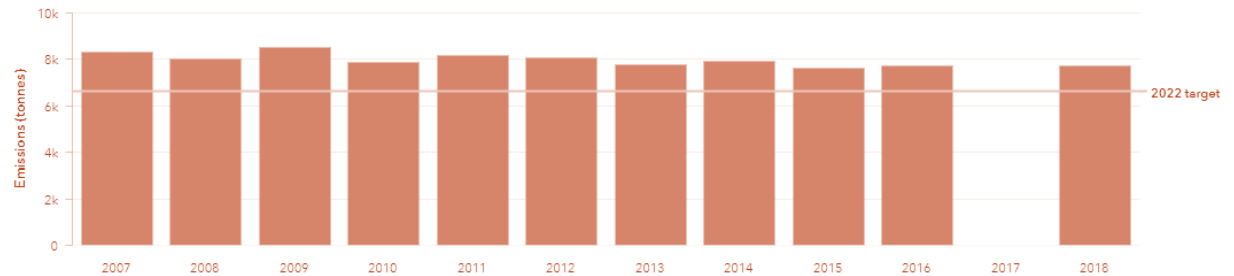
Target:

12% decrease in corporate GHG emissions relative to 2007 levels by 2022.

Progress:

Data to be finalized through the *Strategic Energy Management Plan (SEMP)*

Corporate GHG Emissions



Data: City of Kelowna, reliable data not available for 2017



Corporate Climate Leadership

2022 - Progress

- Began development of new SEMP
- Implementing the *Green Fleet Strategy*.
- Successful Zero-Emission Vehicle Infrastructure Program (ZEVIP) grant application for corporate EV chargers.

2023 - Planned

- Finalize the SEMP
- Develop a Corporate Green Building Policy
- Begin the development of a Climate Lens Decision Making Tool
- Continued decarbonization of the City's fleet and installation of EV charging

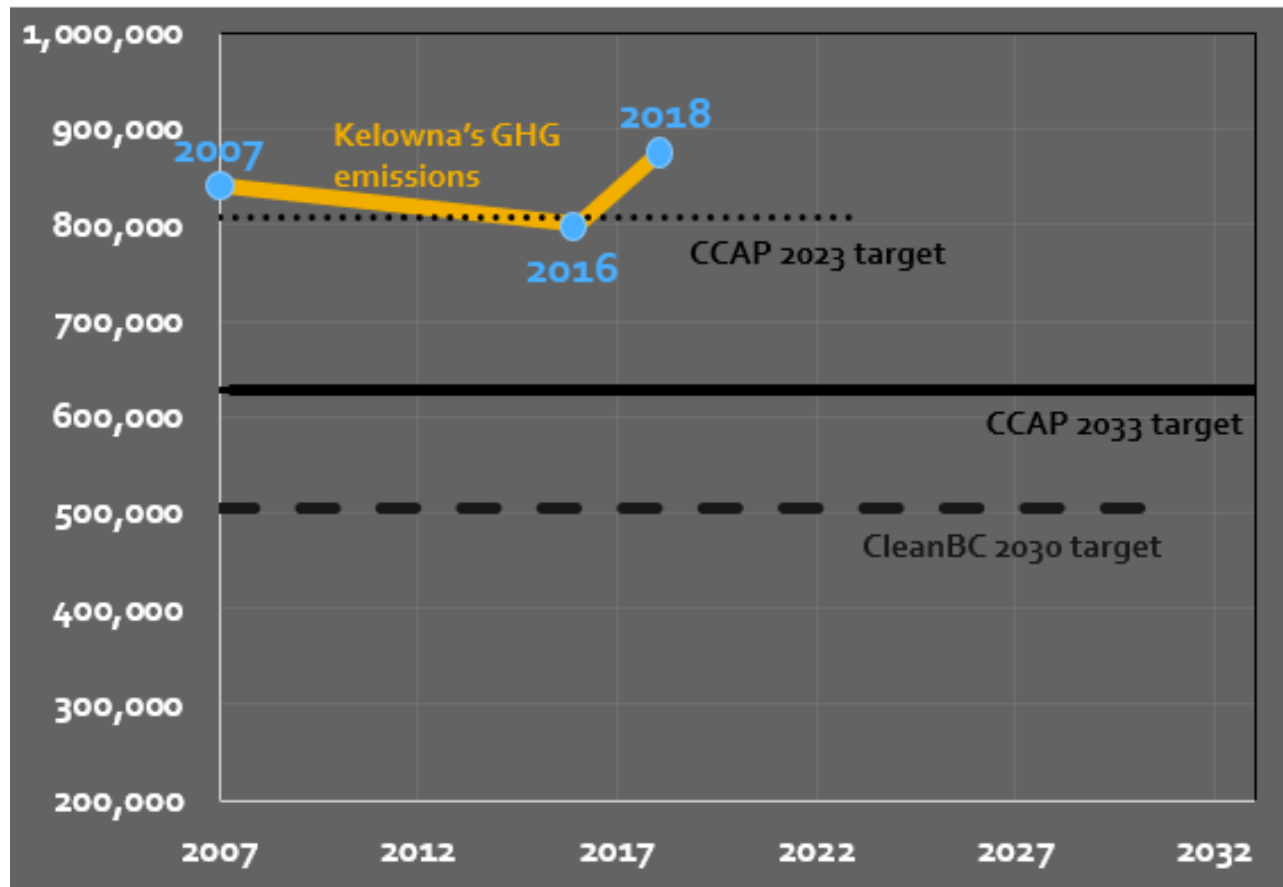


Community GHG Emissions

Target:
4% decrease by
2023 relative to
2007 levels

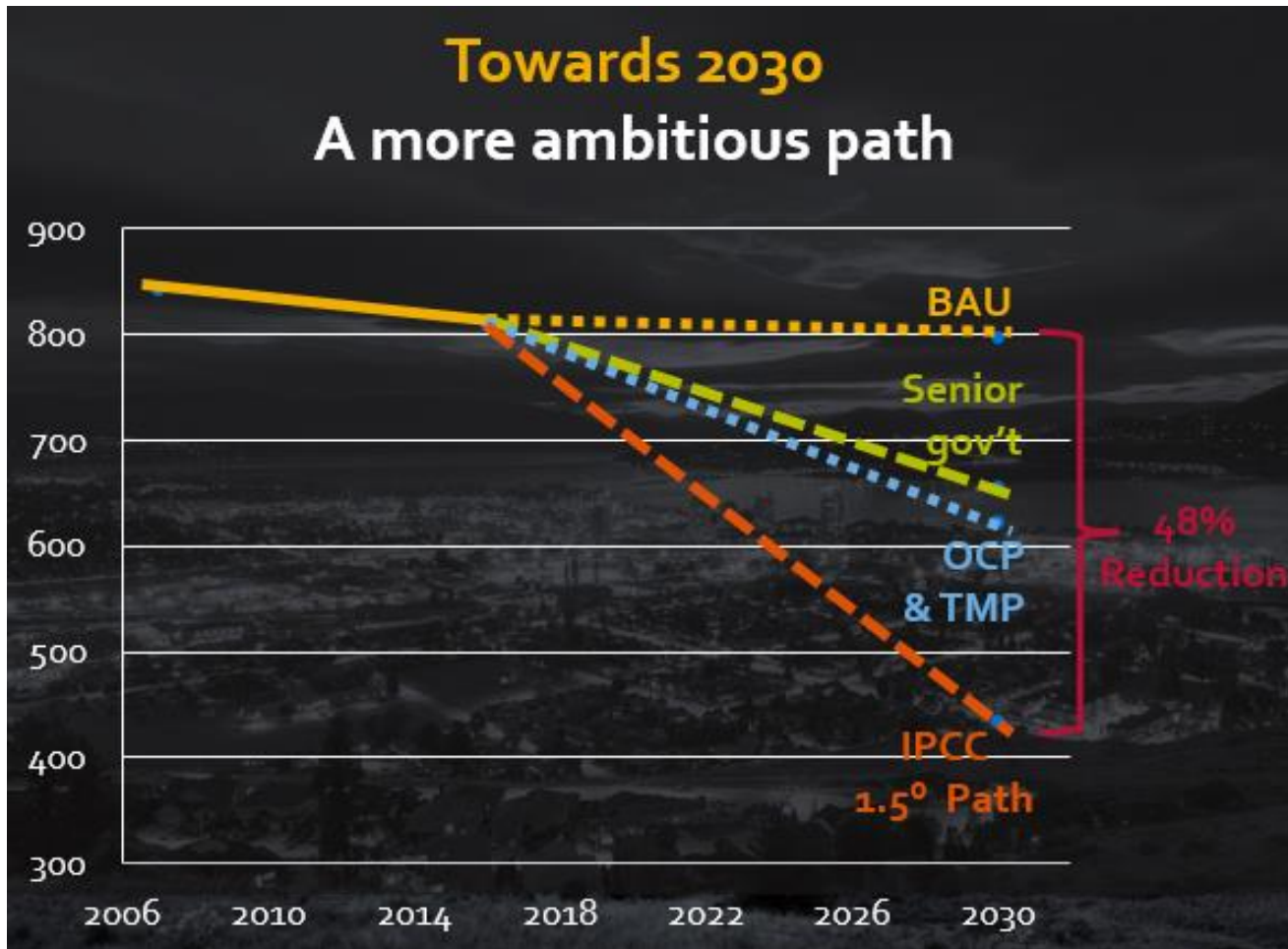
Progress:
2018 - 3.7%
increase

*17% decrease
per capita





Community GHG Emissions





Community GHG Emissions

2022 - Progress

- Began development of new *Climate Resilient Kelowna Strategy*
- Addition of five Level 2 and eight Level 1 public EV charging stations
- 25 municipal top-ups distributed in 2022 for fuel switching to air source heat pumps
- Implementation of the 2040 TMP
- Adopted Anti-Idling Bylaw

2023 – Key Initiatives

- Complete *Climate Resilient Kelowna Strategy*
- Develop and implement a pilot Home Energy Concierge Program for existing homes
- Enhance programs to incentive heat pump adoption
- Continue the installation of public EV charging stations
- Continue initiatives to increase EV charging in multi-unit residential



Adapt to a Changing Climate

No established KPIs yet

2022 - Progress

- Continued development of new *Climate Resilient Kelowna Strategy*
- Completed new *Community Wildfire Resilience Plan*
- Launched FireSmart Community Chipping Pilot Program
- Mill Creek Flood Protection Project

2023 – Key Initiatives

- Complete *Climate Resilient Kelowna Strategy*
- Continue FireSmart Community Chipping Program
- Implement the *Community Wildfire Resilience Plan*
- Continue Mill Creek Flood Protection Project
- Explore resilient roof space policy options



Protect and Restore Natural Areas

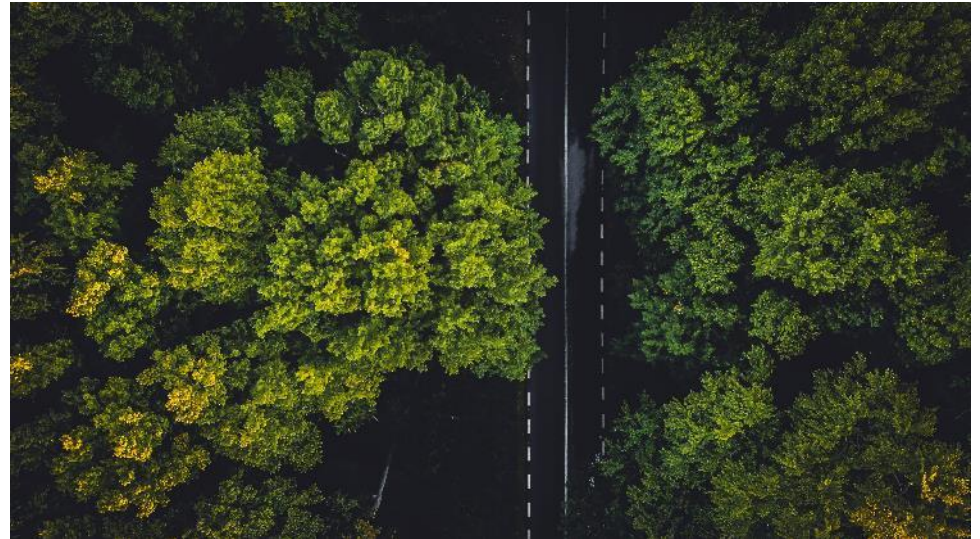
OCP Tree Canopy Targets:

- 12% - Urban Centres
- 20% - Core Areas
- 25% - Remainder of City

These targets are being reviewed through the *Sustainable Urban Forestry Strategy*

Progress:

Current canopy coverage is being calculated through the *Sustainable Urban Forestry Strategy*





Protect and Restore Natural Areas

2022 - Progress

- Began development of new Sustainable *Urban Forestry Strategy*
- Collaborating with RDCO to complete an updated Sensitive Ecosystem Inventory (SEI)
- Continued implementation of NeighbourWoods Program

2023 – Key Initiatives

- Complete *Sustainable Urban Forestry Strategy*
- Continue NeighbourWoods Program
- LiDAR assessment and analysis for key environmental indicators
- Initiate development of the Landscape Standards Bylaw



Shift to a Circular Economy

RDCO Waste Diversion

Target:

Average municipal solid waste disposal rate of 600 kilograms per capita by 2022

Progress:

639 kilograms per capita in 2020 (2021 and 2022 data expected in 2023)

Note: RDCO has a waste diversion target of 50 per cent by 2022. Metric is not calculated/tracked.





Shift to a Circular Economy

2022 - Progress

- Joined the Canadian Circular Cities and Regions Initiative (CCRI) Peer-to-Peer Network
- Initiated a Construction & Demolition Debris Study in partnership with the RDCO
- Hired a two-year term Agricultural Planner in Development Planning

2023 – Key Initiatives

- Determine 'circular' opportunities through the CCRI Program
- Complete Construction & Demolition Debris Study
- Complete deconstruction of City-owned homes

Next Steps

- ▶ Develop or update KPIs for each pathway
- ▶ Implement Quick Starts from Climate and Environment Review (and other project planned for 2023)
- ▶ Finalize key plans:
 - ▶ *Climate Resilient Kelowna Strategy*
 - ▶ *Sustainable Urban Forestry Strategy*
 - ▶ *Strategic Energy Management Plan*
- ▶ Set governance structure related to new Climate Action & Environmental Stewardship Manager position



Questions?