

## Appendix A: Draft Recommended Actions

The recommended actions below have been developed through:

- Best practices review
- Staff consultation including the following departments: Integrated Transportation, Building Services, Community Planning, Infrastructure Engineering, Building and Parks Planning, Utility Services, Fleet Services, Building and Entrepreneurial Development, Parks Services, Strategic Initiatives, and Purchasing.
- FortisBC consultation on those actions in their service area (i.e. actions related to building energy use, electric vehicles and renewable natural gas).

The actions presented are under seven categories:

1. ***The Way We Get Around*** – providing options to reduce reliance on single occupant vehicles and accelerate transition to low carbon transportation options.
2. ***The Energy We Use in Our Buildings*** – improving energy performance and reducing GHG emissions in new and existing buildings.
3. ***The Waste We Create*** – increasing the diversion of waste from the landfill.
4. ***Encouraging Renewable Energy*** – encouraging the use of renewable energy alternatives.
5. ***Planning Our Community*** – managing energy and emissions by focusing growth in urban areas so residents and workers are located closer to transit and services.
6. ***Other*** – actions that support Kelowna moving towards a low carbon future.
7. ***Ambitious Actions*** - These actions are ambitious in nature and their impacts have not been incorporated into the model. While immediate results may not be noticed, adopting these actions early provide long term benefits.

Actions in each category are classed as:

1. ***Actions in progress*** – these actions have already been initiated and will continue to be implemented over the span of the Community Climate Action Plan Update.
2. ***Actions to implement*** – these actions are recommended to be executed as part of Community Climate Action Plan implementation and staff and/or resources are available to support the implementation.
3. ***Actions to investigate*** – these actions require further investigation to fully assess the staff and financial resource implications before implementation.
4. ***Actions to support*** – these are led by external organizations and the City would support.

## The Way We Get Around

Action #	Action
<b><i>Actions in progress</i></b>	
T1	Implement policy actions from the Pedestrian and Bicycle Master Plan.
T2	Implement capital projects from the Pedestrian and Bicycle Master Plan.
T3	Continue improving public transit service delivery.
<b><i>Actions to implement</i></b>	
T4	Develop a community wide electric vehicle strategy including standards for City capital (i.e. parkades, parks, facilities) and development projects to include EV technology and infrastructure.
T5	Update the Zoning Bylaw to restrict drive through uses in all applicable zones (include food, financial institutions, pharmacy, liquor).
T6	Enhance Travel Demand Management Programs.
T7	Implement an anti-idling bylaw as outlined in the Clean Air Strategy.
T8	Implement OCP Policy 7.11.1 to "work towards a pricing structure where the cost of parking for an hour at a municipality facility exceeds the price of a single transit trip."
<b><i>Actions to investigate</i></b>	
T9	Investigate options to integrate alternative fuels into fleets such as: <ul style="list-style-type: none"> <li>• City fleet</li> <li>• City contracted services and/or</li> <li>• BC Transit</li> </ul>
T10	Investigate options for a regional fuel tax to support the expansion and improvement of the regional transit system and/or alternative forms of transportation as part of the Sustainable Transportation Partnership of the Central Okanagan (STPCO) and/or the Regional Strategic Transportation Plan.
T11	Investigate the potential for a community bike share system.
<b><i>Actions to Support</i></b>	
T12	Support car sharing.
T13	Support ride sharing.

## The Energy We Use in Our Buildings

Action #	Action
<b>Actions to Implement</b>	
B1	Partner with FortisBC on delivery of programs.
B2	Develop a community energy retrofit strategy including regulation and incentives to encourage existing building stock to become more energy efficient.
B3	In 2018, develop a strategy for implementing the new Step Code using a combination of education, incentives and regulations to ensure the City is a leader. Investigate options to encourage building to Energy Step Code 5 such as relaxing side yard setbacks in the Zoning Bylaw and building permit fee rebates
<b>Actions to Investigate</b>	
B4	Investigate updating the OCP Development Permit Guidelines to be more inclusive building energy efficiencies.

## The Waste We Create

Action #	Action
<b>Actions to Implement</b>	
W1	Implement the 2017 Solid Waste Management Plan (upon Ministry approval) to achieve its targets of 50 per cent waste diversion rate by 2022 and the RDCO to achieve an average municipal solid waste disposal rate of 600 kilograms per capita by 2022 (down from 680kg in 2014).

## Planning Our Community

Action #	Action
<b>Actions to Implement</b>	
LU1	Amend the Zoning Bylaw to establish updated parking minimums and maximums to discourage more parking than is required.
LU2	Apply an infrastructure cost analysis (such as the Community Lifecycle Infrastructure Costing (CLIC) tool) to major OCP amendments and ASP applications, providing both upfront capital costs and ongoing operational costs.
LU3	As part of the OCP Update, reinforce the Permanent Growth Boundary.
LU4	Coordinate land use and transportation planning through the OCP, Transportation Master Plan and the Regional Strategic Transportation Plan updates to ensure policy and actions make it easier for people to choose sustainable travel modes.
<b>Actions to investigate</b>	

LU5	Investigate options to amend OCP policy and Zoning regulations for shared parking facilities in new and existing developments to maximize development potential and land use optimization in urban areas.
LU6	Investigate options to uncouple parking tenure from unit tenure in developments.
LU7	Investigate amendments to Bylaw 7900 Subdivision, Development and Servicing Bylaw to include pedestrian circulation and connectivity requirements to implement OCP Policy 7.8.4 "Promote mid-block pedestrian linkages between buildings in Urban Centres."

## Encouraging Renewable Energy

Action #	Action
<b>Actions to investigate</b>	
RE1	Investigate opportunities to increase both supply and demand of Renewable Natural Gas.

## Other Actions

Action #	Action
<b>Actions in progress</b>	
O1	Implement the Urban Forestry Strategy to achieve the target of 20% tree canopy cover.
O2	Implement the actions of the 2017 Agriculture Plan to increase and encourage local food production.
O3	Continue to implement the actions of the Clean Air Strategy.
<b>Actions to implement</b>	
O4	Amend the landscape regulations in both Zoning and Subdivision Bylaws to include tree replacement requirements.
<b>Actions to investigate</b>	
O5	Investigate options to fund climate action initiatives.
O6	Investigate developing a Climate Adaptation Plan to proactively prepare for anticipated changes in local climate.
O7	Investigate options to imbed energy and greenhouse gas emissions objectives into the City's systems, programs, business services and delivery of infrastructure.
O8	Investigate doing a Green Economy Study on how Kelowna could attract and develop more clean tech jobs and businesses.
O9	Investigate adopting a private tree protection bylaw.
O10	Investigate the opportunity to use treated effluent from the WWTF for irrigation.
O11	Investigate implementing or expanding education and engagement campaigns on: <ul style="list-style-type: none"> <li>Eco-Driving</li> <li>Promoting the City's corporate energy reduction initiatives to inspire other organizations.</li> <li>Residential solar system building options.</li> </ul>

Action #	Action
	<ul style="list-style-type: none"> <li>Water conservation for the City's water utility.</li> </ul>

## Ambitious Actions

Action #	Action
AA1	Endorse steps of the Energy Step Code early so that the thousands of buildings constructed between now and 2032 (when the Province fully implements the Energy Step Code) incorporate efficiency measures which will have lasting impacts to building performance.
AA2	For the 2040 Official Community Plan update, re-evaluate a more compact growth strategy that prioritizes development in the urban core and disincentives development in the fringe.
AA3	Invest more into alternative transportation, prioritizing alternative modes of transportation through proximity, concentration and urban design.
AA4	Conduct a study to determine local feasibility, effectiveness and legislative authority for transportation pricing strategies for vehicle kilometers traveled and/or fuel consumption.