

Attachment A: Community Climate Action Plan Implementation Progress

Legend: Ongoing/ complete In progress Not started

Table 1: Progress of implementation actions to be undertaken with existing resources

| Action # | Description | Action Status | Action Implementation Notes |
|---------------------------------------|--|---------------|---|
| In progress or ongoing actions | | | |
| T1 | Implement policy actions from the Pedestrian and Bicycle Master Plan | In Progress | Several of the policy recommendations are in progress including policy updates for bicycle parking, end of trip facilities, and driveway locations adjacent to active transportation corridors. |
| T2 | Implement capital projects from the Pedestrian and Bicycle Master Plan | Ongoing | In 2018 expanded the active transportation network by 5.7 km of buffered bike lanes, 12.5 km of multi-use path, 0.8 km of sidewalk, 3.0 km of bike lanes. 2019 Plans include 11.6 km of buffered bike lanes, 2.6 km of cycle tracks, 6.0 km of new bike lanes and 1.6 km of sidewalk. |
| T3 | Continue improving public transit service delivery | Ongoing | In 2018 restructured transit service to add a new route linking downtown to UBCO via Glenmore, bus service to University Heights, added 5,000 service hours. |
| B1 | Partner with FortisBC on delivery of programs | Ongoing | Promotion of rebates and FortisBC programs such as the 2019 Small Business Program. In 2020 the City is offering the <i>See the Heat</i> program where residents and City staff can borrow a thermal imaging camera to see heat loss in their homes (the program is funded by FortisBC). The City is also running a workshop for rental building owners/managers to educate them on FortisBC's Rental Apartment Efficiency Program. |
| B2 | Engage building community on regional Energy Step Code implementation strategy | Ongoing | Lake Country and Penticton implemented Energy Step Code for Part 9 buildings earlier in 2019. Kelowna regulations come into effect December 1, 2019 (i.e., Step 1 required for Part 9 residential buildings). Okanagan communities meet quarterly to discuss challenges and opportunities for regional collaboration. |
| B3 | Develop educational offerings to support transition to Energy Step Code | Ongoing | Energy Step Code Industry Workshop in the Spring of 2018. Energy Step Code Airtightness and Assembly Details training in the Fall of 2019. Worked with CHBA-CO to offer builder breakfast series on Energy Step Code. Offering internal training for Building Officials (i.e., Building Inspectors, Plan Checkers, and One Window staff). |
| W1 | Implement the 2017 Solid Waste Management Plan | Ongoing | Ongoing waste reduction programs happen annually such as composter sale, repair cafes, and trunk sales. The addition of two summer recycling ambassadors have increased outreach and education. The new waste contract will see compressed natural gas vehicles instead of gasoline. |
| LU1 | Update the Zoning and Traffic Bylaws to incentivize car sharing | In Progress | Proposed amendments to Zoning Bylaw have received 3 rd reading to allow parking requirement reductions in multi-family residential development that include car share vehicles. Will be presented to Council for final reading November 25 th , 2019. |

| Action # | Description | Action Status | Action Implementation Notes |
|--|---|---------------|---|
| O1 | Implement the Urban Forestry Strategy | Ongoing | In 2019 the City sold 600 trees through NeighbourWoods for planting on private property. On public property, will plant 400 street trees, 100 trees along Mill Creek and 5,000 tree seedlings in various locations. |
| O2 | Implement the 2017 Agriculture Plan | Ongoing | As of fall 2019, 75% of the Plan's 52 actions are ongoing, in progress or complete. |
| O3 | Continue to implement the Clean Air Strategy | Ongoing | Ongoing programs include Safe Routes to School, Agricultural Chipping Program, Woodstove Exchange Program, and Mow/Chip It rebates. Initiated work on amendments to the Smoke Control Bylaw and initiated development of an Anti-idling Bylaw. |
| O5 | Investigate options to fund climate mitigation and adaptation initiatives | Ongoing | Recently received: <ul style="list-style-type: none"> Funding from Disaster Mitigation Adaptation Fund for the Mill Creek Off-Stream Storage Projects and Channel Conveyance Project. Grant from Pacific Institute for Climate Solutions to hire a student to develop climate adaptation policy for the OCP update. Grant from FortisBC to hire a Community Energy Specialist position for 2 years (to March 2021). Funding from FortisBC to support Energy Step Code training and <i>See the Heat</i> thermal imaging camera program. Federal grant and partnership with FortisBC to expand level 3 electric vehicle charging infrastructure. |
| O6a | Investigate developing a Climate Adaptation Plan | Ongoing | Okanagan Regional Districts are currently in process of modelling climate change impacts for the Okanagan area, with report expected early 2020. A water shortage modelling project is underway to compare water requirements versus supply. In 2020 staff will be investigating options for a Climate Adaptation Plan and potential funding sources. |
| Actions to be implemented Years 0 – 2 | | | |
| T4 | Develop a disruptive mobility strategy | In progress | A Disruptive Mobility Strategy has been drafted as part of the Regional Transportation Plan. |
| T5 | If successful, expand the pilot community bike share program. | Ongoing | In 2019 developed and implemented bike share permit program. Four bikeshare companies with permits to operate in Kelowna (most using e-scooters). |
| T7 | Update the Zoning Bylaw to restrict drive-through uses | Not started | |
| T9 | Implement an anti-idling bylaw | In progress | This is being developed as a regional initiative through the Regional Air Quality program. |
| T10 | Investigate regulations and incentives for City parking to prioritize the use of alternative transportation modes | Ongoing | Council endorsed an updated Downtown Area Parking Plan, July 2019. |
| T12 | Investigate options for a regional fuel tax | Not started | Funding sources will be explored as part of the implementation of the Regional Transportation Plan. |
| B5 | Update Building Bylaw for part 9 buildings requiring Step Code 1 (April 2019) and Step Code 3 (Oct 2020) | Complete | Step 1 for Part 9 residential buildings comes into effect in Kelowna on December 1, 2019. Step 3 comes into effect June 1, 2021. |
| B6 | Relax Zoning Bylaw setback requirements to allow thicker walls for Step 4 and 5 buildings | Complete | Final adoption of the zoning amendments completed June 17, 2018. |

| Action # | Description | Action Status | Action Implementation Notes |
|--|--|---------------|---|
| B7 | Create a building permit fee rebate program for part 9 buildings for those achieving Steps 4 or 5 | Complete | Endorsed as part of the Energy Step Code Implementation Strategy for Part 9 buildings on May 6, 2019. Also included a building permit fee rebate for modelling and blower door testing to encourage builders to use Step Code in advance of Step 1 coming into effect December 1, 2019. |
| B8 | Investigate updating the OCP Development Permit Guidelines to include building energy efficiencies | In progress | The Urban Design Development Permit Guidelines will incorporate this as part of the OCP 2040 update. |
| LU2 | Amend the Zoning Bylaw to establish updated parking minimums and maximums | In progress | Proposed amendments to Zoning Bylaw have received 3 rd reading to reduce parking minimums for several multi-family zones and urban centre commercial zones. Will be presented to Council for final reading November 25 th , 2019. |
| LU4 | Coordinate land use and transportation planning through OCP and transportation plans | In progress | Both the OCP update and Transportation Master Plan are coordinated and in progress. |
| LU5 | As part of the OCP update, reinforce the Permanent Growth Boundary (PGB) | In progress | Council endorsed the growth scenario on March 4 th that reinforces the PGB and focuses on infill and redevelopment in the Core Area and no new suburban areas are identified for new development. |
| LU6 | As part of the OCP update, evaluate a more compact growth strategy | In progress | Council endorsed the growth scenario on March 4 th that reinforces the PGB and focuses on infill and redevelopment in the Core Area and no new suburban areas identified for new development. Draft Future Land Use map presented to Council on August 12, 2019. |
| LU8 | Investigate amendments to Bylaw 7900 to include pedestrian connectivity | In progress | Bylaw 7900 updates separated into 2 components. The first is immediate actions which is currently in draft form. The second is structural change which will be drafted later in 2020. |
| LU9 | Incorporate a policy into the Official Community Plan to design neighbourhoods through a systems approach. | In progress | Being considered as part of the policy development for the OCP 2040 update. |
| O4 | Amend the landscape regulations in both Zoning and Subdivision Bylaws to include tree protection and replacement requirements. | Not started | |
| O10 | Investigate the opportunity to use treated effluent from the WWTF for irrigation | In progress | Pilot project in 2020 to water WWTF fields with treated effluent. |
| O12 | Investigate opportunities in the Cultural Plan update to incorporate climate change messaging through artistic work. | In progress | Culture Plan update is in progress. |
| Actions to be implemented Years 3 – 5 | | | |
| LU7 | Investigate options to amend OCP policy and Zoning regulations for shared parking facilities in new and existing developments | Not started | |
| O8 | Investigate adopting both a private and heritage tree protection bylaw | In progress | Development Planning is drafting a Private Tree Protection Bylaw. |

Table 2: Progress of implementation actions to be undertaken requiring additional resources

| Action # | Description | Action Status | Action Implementation Notes |
|--|--|---------------|--|
| In progress or ongoing actions | | | |
| T8 | Through the TDM review project, enhance Kelowna's TDM program | Not started | Options for TDM program offerings are being explored as part of the Transportation Master Plan project. |
| O11 | Investigate implementing or expanding education and engagement campaigns | Not started | Options to improve education and engagement are being explored as part of the Transportation Master Plan project. |
| Actions to be implemented Years 0-2 | | | |
| T6 | Develop an electric vehicle strategy | In progress | <ul style="list-style-type: none"> Preliminary work has been undertaken, and the community strategy is expected to be developed in 2020. Work continues with FortisBC to expand the EV charging network. Submitting a federal ZEVIP application with FortisBC to get funding for up to 17 Level 2/3 chargers for fleet and workplace. Will expand the public Level 2 charging network by up to eight with \$135,000 budget for Parking Services |
| B4 | Develop a community energy retrofit strategy | In progress | <ul style="list-style-type: none"> Preliminary work has been undertaken. Stakeholder engagement in Summer 2020. Expected by end of 2020. See the Heat Thermal Imaging Public Campaign to be launched Winter 2020. The City contributes to the Municipal Top Up Program for EnerGuide assessments through provincial Better Homes BC program. Partnering with Natural Resources Canada (NRCan) to develop a prototype of the Canadian Energy End Use Map which would give the City better insight into energy and emissions from buildings at the parcel level, and potential retrofit packages for different housing archetypes. |
| B9 | Investigate options to implement Energy Step Code for Part 3 buildings once available | In progress | <ul style="list-style-type: none"> Hosted an Energy Step Code Solutions Lab for Part 3 buildings for stakeholders in September 2019. Draft Implementation Strategy near completion. |
| B10 | Investigate adopting Steps 4 and 5 for part 9 buildings once Province makes it available | Not started | Province currently allows communities to adopt up to Step 3 (and incentivize beyond this). Action will be delayed until provincial regulations allow and success of Kelowna's Step 1 and 3 implementation is determined. |
| B11 | Investigate financing models to support city-wide deep energy retrofits | In progress | Working with NRCan to assess financing options as part of the Canadian Energy End Use mapping prototype project (e.g., Green Municipal Fund Community Efficiency Financing). |
| Actions to be implemented Years 3 – 5 | | | |
| T11 | Investigate options to integrate alternative fuels into fleets such as transit. | In progress | New waste hauling contract will utilize compressed natural gas vehicles to reduce emissions. The City is looking at a pilot project to add a Level 3 electric vehicle charger for the Yards facility for fleet vehicles. |
| LU3 | Apply an infrastructure cost analysis to major OCP amendments and ASP applications | In progress | Model City Infrastructure is in a pilot phase, ultimately it will be utilized as part of the review of major OCP amendments / ASP applications. |

| Action # | Description | Action Status | Action Implementation Notes |
|----------|---|---------------|--|
| RE1 | Investigate opportunities to increase both supply and demand of Renewable Natural Gas | In progress | Conducted a biogas feasibility study as part of the Wastewater Treatment Anaerobic Digestion Options Analysis. |
| O6b | Develop a Climate Adaptation Plan | Not started | |
| O7 | Investigate doing a Green Economy Study | Not started | |
| O9 | Investigate process improvements to ensure that tree planting requirements are executed through site construction | Not started | |

Table 3: Summary of CCAP Progress

| | Actions with existing resources | | | | Actions with additional resources | | | |
|------------------------------|---------------------------------|-------------|-------------|---------------|-----------------------------------|-------------|-------------|---------------|
| | Ongoing / Complete | In progress | Not started | Total actions | Ongoing / Complete | In progress | Not started | Total actions |
| Years 0 – 2 (2018 – 2020) | 11 | 2 | 0 | 13 | 0 | 0 | 2 | 2 |
| Years 0 – 2 (2018 – 2020) | 5 | 11 | 3 | 19 | 0 | 4 | 1 | 5 |
| Years 3 – 5 (2021 – 2023) | 0 | 1 | 1 | 2 | 0 | 3 | 3 | 6 |
| Total | 16 | 14 | 4 | 34 | 0 | 7 | 6 | 13 |

