

Attachment 1 - Corporate Climate Actions and Initiatives

Year	Operation	Corporate Action	Climate Benefit
2014	Broad Planning	Adopted Asset Management Plan	Increase operations and infrastructure efficiency.
2014	Broad Planning	Funding – CARIP Gas Tax Fund	Increase budget and allow for corporate and/or community investment.
2018	Broad Planning	Update City's Asset Management Plan.	By tracking current conditions and values of infrastructure, the city can plan for proper replacement.
2018	Broad Planning	City will begin creation of first Climate Action and Adaptation Plan.	Reduce energy and emissions.
2014	Building and Lighting	Installed new lighting at Fire Hall 34	Energy reduction.
2014	Building and Lighting	Began Facilities Master Plan.	Operations efficiency and potential energy reductions.
2015	Building and Lighting	Energy efficient lighting installed in all four fire halls (Glenrosa, Lakeview, Westbank and West Kelowna Estates).	Energy reduction.
2016	Building and Lighting	Conversion of LED lighting at Royal LePage Place Arena.	Energy reduction.
2016	Building and Lighting	Commence street lighting pilot project to retrofit existing lighting with LED lights.	Energy Reduction.
2017	Building and Lighting	Boiler replacement, Jim Lind Arena.	Energy and emissions reductions.
2017	Building and Lighting	Staff investigated options for Public Works Yard.	Energy and emissions reductions, by creating one central location will increase fleet efficiency.
2017	Building and Lighting	Staff investigated options for additional office space requirements for staff.	Increase compact and central services to reduce energy consumption.
2017	Building and Lighting	Council and staff consider options for West Kelowna Fire Rescue administration and Station 32 building.	Increase to operations efficiency.
2018	Building and Lighting	City office space will be leased and require LED lights in commercial and office buildings to accommodate staff.	Increase energy efficiency and reduce energy consumption, and provide space for staff.
2018	Building and Lighting	Installed new air handling unit with heat pump at City Hall.	Emissions reductions.
2018	Building and Lighting	Converted exterior lights to LEDs at Jim Lind/Royal LePage Place Arenas, Fire Halls 31	Emissions and energy reductions.

		& 33, and Seniors Centre	
2018	Building and Lighting	Replaced roof at Westbank Museum.	Emissions and energy reductions.
2019/2020	Building and Lighting	Undertake design and tender process for future construction of a Public Works Yard.	Reduce staff travel, lower GHG emissions, and decommissioned and/or inefficient buildings.
2020	Building and Lighting	City Hall land purchase.	Emissions and energy reductions with new building and centralized staff, less buildings to maintain and operate.
2020	Building and Lighting	Fire Hall #32 – Concept Plans.	Increase to operations efficiency and emissions and energy reductions with new facility – better location for community reduce chance of loss of buildings and infrastructure.
2020	Building and Lighting	Lakeview Hall roof replacement.	Emissions and energy reductions with upgrade.
2017/2018/2019	Energy Generation	Continue to operate and maintain solar hot water heating at West Kelowna RCMP detachment.	Emissions reductions, renewable energy sources greatly reduce emissions.
2017/2018/2019	Energy Generation	Energy offsets purchased from Bullfrog Power (carbon offsets) for heating and lighting at West Kelowna's RCMP detachment.	Emissions reductions.
2017- 2019	Energy Generation	Continued operation of geothermal heating system at Royal LePage Place Arena.	Emissions reductions.
2018/2019	Energy Generation	Continue operation of LEED certified building at the West Kelowna RCMP detachment from 2017.	Emissions reductions.
2016- 2019	Energy Generation	Power purchase for RCMP detachment from alternative power provider, to feed alternative energy back into the grid.	Energy and emissions reductions.
2016	Green Space	Programs to control invasive plants and animals that are non-indigenous to the area.	Mitigate ecosystem damage to area and reduce potential corporate spending to repair damages.
2018/2019	Green Space and Natural Resource Protection	Complete prescriptions and conduct wildfire fuel treatments around the community Eain Lamont (Mt. Boucherie), Davidson Creek (Carrot Mountain), Rock Ridge Parks, and on municipal lands surrounding the Powers Creek Water Treatment Plant.	Reduce emissions, and help regulate earth's global climate and carbon and oxygen cycles.
2014 - 2019	Solid Waste	City participated in Region's Commercial Waste Diversion Program.	Solid waste reduction: recycling reduces emissions and allows for reuse.

2015 - 2018	Solid Waste	City continued to promote online use of agendas, minutes, forms, and annual reports to reduce printed materials.	Waste reduction: recycling reduces emissions.
2016	Solid Waste	Paper production of high gloss annual reports reduced (250 to 50), public directed to use online source.	Energy and waste reductions.
2017	Solid Waste	Online auction of used phones, tablets, and computers on EBay.	Solid waste reduction: recycling reduces emissions and allows for reuse.
2018	Solid Waste	City will expand and update its SharePoint software to increase document access, and reduce printing and server requirements.	Solid waste and energy reductions.
2014	Transportation	Signed the Sustainable Transportation Partnership of Central Okanagan, Intermunicipal Agreement.	Reduce carbon emissions and support multi-modal sustainable transportation options.
2014 - 2018	Transportation	City will re-enter its corporate team in Bike to Work week.	Support multi-modal travel options.
2015	Transportation	A hybrid vehicle was purchased for building inspections and general staff use.	Emissions reductions.
2018	Transportation	City will purchase electric assist bicycles for bylaw officers to conduct park and waterfront patrols during peak tourism season.	Support multi-modal travel options.
2020	Transportation	Gellatly Road Bridge upgrade.	Flood mitigation.
2020	Transportation	Master Transportation Plan Update.	Emissions reductions and improved vehicular efficiency on roads.
2015	Water and Wastewater	Chlorine room efficiency and modernization upgrades completed at JBMAC.	Energy reductions and water management improvements.
2015	Water and Wastewater	Municipal hall washroom upgrades.	Water management and conservation.
2016 – 2019	Water and Wastewater	Installed motion activated faucets in washroom at City Hall to reduce water use.	Water management and conservation.
2017	Water and Wastewater	Install significant protection barriers to protect city infrastructure and prevent failure of operations and/or services due to lake flooding.	Improve operations efficiency and delivery of service.
2017	Water and Wastewater	Staff continued to monitor city irrigation systems for leaks and ensure all watering was between dusk and dawn.	Water management.

2018	Water and Wastewater	Irrigation system monitoring will continue at civic properties to prevent water waste.	Water management.
2018	Water and Wastewater	New automatic water shut off system installed in showers at Jim Lind Arena.	Water and sewer management.
2020	Water and Wastewater	Rose Valley Water Treatment Plant.	Water management, health and safety improvement to stop boil water advisories.
2015	Other Climate Actions	Lighting and faucets retrofitted at six civic facilities.	Reduce energy and emissions, improve conservation efforts.
2015	Other Climate Actions	ActiveNet software implemented to reduce paper use of printed materials.	Waste reduction and emissions reductions.
2019/2020	Other Climate Actions	Offer homeowners a free wildfire impact assessment by appointment and give small grants to those willing to conduct wildfire mitigation on their own properties.	Protect public and private infrastructure, and reduce fire and emergency response related emissions.
2020	Other Climate Actions	Re-Leaf Program, offers public subsidized trees for purchase to be planted in their yards or given to City.	To increase West Kelowna's urban forest canopy.