





# CLIMATE LEADERSHIP PLAN: Vision and Targets

Vision: "Low Carbon Prosperity"

2050 Victoria is "a vibrant, healthy, and prosperous community, fueled by renewable low-carbon energy systems, designed and integrated in such a way to promote the highest quality of life for all Victorians.

# **Mission:**

To **lead our transition** to a low-carbon, prosperous future ....inspire our community's shift to sustainable, renewable transportation, waste and building systems.

## **City of Victoria Climate Action targets:**

- 80% GHG reduction from a fixed baseline 2007 by 2050
- 100% renewable energy by 2050

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# **KEY PRINCIPLES**

- 1. Lead and inspire
- 2. Harmonize climate and other co-benefits
- 3. Energy is visible
- 4. All Victorians are accountable
- 5. Renewable energy for all
- 6. Smarter energy choices are easier
- 7. Climate resilience is developed early
- 8. Think globally, change locally, partner regionally





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Sector	City Climate Goals
Low Carbon, High Performance Buildings	<ul> <li>Buildings are highly energy efficient, using only a small fraction of their 2017 operational energy needs</li> <li>Buildings are powered by renewable energy</li> </ul>
Low Carbon Mobility	<ul> <li>Vehicles are powered by renewable energy.</li> <li>Victorians enjoy a high-performing, affordable, sustainable, and fully integrated multi-modal transportation system.</li> <li>Transportation emissions are minimized through smart land-use planning that optimises urban mobility and quality of life.</li> </ul>
Low Carbon Waste Systems	<ul> <li>All residual organic materials are reduced, recovered, and reused.</li> <li>Systems are in place to optimise the continual use and reuse of materials, to eliminate landfill waste and related greenhouse gases.</li> </ul>
Adaptation	<ul> <li>All climate-related risks are minimized through early and wise planning and action.</li> <li>Local, natural habitats flourish in a changing climate.</li> <li>Victorians are prepared for all climate related events and emergencies.</li> </ul>
Low Carbon Municipal (City) Operations Leadership	<ul> <li>The City is a recognized leader in climate mitigation and adaptation action.</li> <li>City climate action is informed by a full understanding of through-life social, environmental, and economic costs, risks and benefits.</li> <li>Victorians have access to timely and accurate data to support strong climate mitigation and adaptation actions.</li> <li>Climate action is integrated across City programs.</li> </ul>



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# **TARGETS – Adaptation**

- The City's assets and services are ready to protect and respond to the risks associated with a changing climate.
- Risks, vulnerabilities, and resiliency are measured, monitored, and reported.
- Natural habitats support healthy fish, wildlife, and plant populations and healthy ecosystem function, in a changing climate.
- The community is knowledgeable and prepared to address the impacts from a changing climate.
- Adaptation efforts are shared across the economy and support overall sustainability.

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VICTORIA





# **KEY STRATEGIES AND ACTIONS**

- Climate and Sustainability Change Agent: change specialist to engagement across community (\$111,000, 1 year).
- Embedded ICLEI Climate Expert: Partner with ICLEI to support City and provincial climate action. (\$60,000 per annum, for 2 years).
- BC Hydro Corporate Energy Project Manager: Co-funded position to accelerate facilities energy improvements. (\$50,000/yr, 2 years)
- Continue to Support ongoing Fortis Energy Specialist Position: 1 year extension (\$50,000 extension after July 2018).
- Continue the Home Retrofit Strategy and Economic Study: (\$50,000).
- Develop the City's Corporate Energy Management Plan: (\$30,000).

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# **Action Types**

## REDUCE:

Reduce fossil fuel energy use and through demand-side management, deep energy retrofits, radical efficiency improvements (with a primary focus on 'enduse' efficiency), new energy standards, and improvements in energy operations.

## REPLACE:

Replace systems that rely on fossil fuel energy sources or replace the fuel with a lower carbon alternative.

## **REDESIGN**:

Redesign, re-create, and reconsider GHG emissions production by 'designingout' the energy burden using designs, plans and tools to achieve low carbon systems, and communities.























# PARTNERSHIPS AND COLLABORATION

## **BUILDINGS:**

Construction / Building associations, Federal Government, Provincial Government, CRD, other Local Governments, BC Hydro, Fortis, NGOs, Developers, Building Owners, Managers, and Tenants, UVic, HVAC professionals.

## TRANSPORTATION:

Global cities exemplifying best practice, Province, CRD, Neighbouring Municipalities, BC Transit, Mobility Businesses, Digital service providers, BC Hydro, Users, and Developers.

# WASTE MANAGEMENT:

CRD, Commercial Haulers, Waste Mangers, Residents, Food Service Providers, Suppliers, Hoteliers, Restaurants.

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Sector	CLP Actions Page Reference
Low Carbon, High Performance Buildings	• 16 - 17
Low Carbon Mobility	• 20 - 21
Low Carbon Waste Systems	• 24 - 25
Adaptation	• 28 - 29
Low Carbon Municipal (City) Operations Leadership	• 32 - 33