

## Summary of Changes: Integrated Pest Management Plan (1998) vs. Pest Management Policy (2019)

Policy name	Integrated Pest Management Plan (1998)	Pest Management Policy (2019)
<b>Purpose</b>	With no formal pest guidelines in place, the Environmental Advisory Committee directed the Pesticide Advisory Task Force to work with Parks to develop an IPM Policy	Dandelion report (CPS2016-0825): Council recommendation to revise Calgary Parks' Integrated Pest Management Plan (1998)
<b>Content</b>	Plan included all elements to deliver an IPM program including issues, background, policies and implementation, pesticides, and IPM prescriptions, strategies and components. The entire plan was adopted as policy.	Policies are separate from the plan and implementation piece. Policy statements consist of a principle, result, and sub-result. Strategies (aka Procedures) are associated with each Sub-Result, including the status and a priority assessment.
<b>Principles/Policy statements</b>	<p>Differing principles are identified in the Executive Summary (p. 2) and the body of the plan (p. 28), the latter are presented.</p> <p>The City of Calgary will manage vegetation and pests in a manner that:</p> <ul style="list-style-type: none"> <li>• Promotes safe conditions for the public and city personnel.</li> <li>• Provides opportunities for education and information about integrated pest management methods.</li> <li>• Protects surface and ground water quality. The City of Calgary will continue to routinely monitor water quality for pesticide and fertilizer contamination.</li> <li>• Maintains and enhances the aesthetic beauty of the City's natural and developed park environments.</li> <li>• Facilitates and enhances opportunities to pursue and enjoy recreational activities in park environments.</li> <li>• Sustains, preserves and enhances heritage features to provide recreational opportunities to the citizens of Calgary.</li> <li>• Sustains and enhances natural environment parks to provide recreational opportunities to the citizens of Calgary.</li> </ul> <p>And The City of Calgary will:</p> <ul style="list-style-type: none"> <li>• Control restricted, noxious, and nuisance weeds and pests in accordance with federal, provincial, and municipal regulations using an integrated pest management approach.</li> <li>• Promote the use of IPM practices by the public in residential and commercial sectors.</li> <li>• Develop and incorporate IPM design and construction standards and practices in its landscape planning and implementation programs.</li> </ul>	<p>Four principles are identified in the plan. They are proposed to be adopted as policy statements within the Council Policy document.</p> <ol style="list-style-type: none"> <li>1. Make science-based decisions and actions Prediction, prevention, preparedness, and response are the foundational components of pest management decision making and action.</li> <li>2. Engage citizens and stakeholders Maintaining and building capacity through accessible public and staff education and collaboration to secure support for pest management.</li> <li>3. Prioritize human health and ecosystem health objectives Human health and safety is prioritized in all aspects of pest management. Conservation and resilience of biodiversity and healthy, functioning ecosystems are essential to human health, effective pest management, municipal service delivery, and risk reduction.</li> <li>4. Be adaptable and accountable The pest management program is implemented effectively and adaptable over time. It is accountable to the citizens of Calgary and considers economic, social, environmental, organizational and financial sustainability objectives. The program is aligned with best practices and research, and strives to meet or exceed all federal, provincial and municipal regulations.</li> </ol>

	<ul style="list-style-type: none"> <li>• Ensure that contractors for each department carry out activities in accordance with the requirements of Calgary’s IPM Policy and incorporate IPM design and construction principles and practices in all park and facility development projects.</li> <li>• Ensure developers adhere to IPM design and construction standards in new subdivision developments.</li> </ul>	
<b>Vision</b>	<p>A broad vision, generally aligned with parks management in general</p> <p>The City of Calgary will contribute to personal health and well-being by protecting and enhancing natural, recreational, and non-recreational environments.</p>	<p>A vision specific to pest management through a cross-corporate lens.</p> <p>The City of Calgary uses science-based decision making to effectively manage pests when thresholds are reached, and in response to pests that pose unacceptable risks to humans, ecosystems or public infrastructure</p>
<b>Policy statements</b>	<p>The City of Calgary will manage vegetation and pests using IPM principles that:</p> <ul style="list-style-type: none"> <li>• minimize the risk to human health and the environment</li> <li>• use an ecological approach</li> <li>• minimize the use of pesticides</li> <li>• determine cost-effectiveness inclusive of life cycle maintenance of various park features and amenities</li> <li>• consider community values in establishing standards of maintenance for public land</li> </ul> <p>The City of Calgary will maintain a pesticide-free buffer zone in and around playground, tot lot areas, and public outdoor pools.</p> <p>The City of Calgary will notify the public prior to herbicide applications in park areas.</p>	<p>An Implementation Plan Framework accompanies the Council Policy. This Framework clearly articulates the RBA approach to the policy – principles (policy statements) are supported by results and accompanying sub-results, along with headline measures.</p>
<b>Plan</b>	<p>A complete plan was adopted as policy, which includes, roles and responsibilities, pesticide use, IPM prescriptions, and common pest problems.</p>	<p>In order to allow for an efficient and effective implementation of the Pest Management Policy, the implementation plan is not attached to the Council policy. Strategy statements present a framework to meet the Results/Sub-results. This will inform the forthcoming Pest Management Policy implementation plan.</p>
<b>Engagement</b>	<p>Operational staff and external public groups were consulted on goals and objectives. The plan was reviewed and endorsed externally. The Pesticide Advisory Task Force facilitated plan development over two years, at meetings and open houses.</p>	<p>Internal City stakeholders were engaged in December 2017 and addressed lines of business, issues and concerns and service gaps. External stakeholder feedback was provided in early 2018 through The City’s Engage Portal. Participants were invited to share the online engagement with contacts, to engage a wider audience.</p>