

## Noise Strategy Development Scoping Report

Milestone or Deliverable	Scope	Expected Duration	Cost (class 3 estimate)	Benefit	Lead Business Unit
Calculate Calgary-wide Noise Exposure  (Noise Modeling)	Calculation of noise exposure based on data set including topography, road traffic noise, and buildings (Could include airplane and rail noise for additional cost).	6 months	\$150K (using external vendor)	<ul style="list-style-type: none"> <li>Allows City to understand whether Calgary's noise levels are problematic and require further action.</li> <li>City and residents can view differences in noise levels across Calgary.</li> <li>Allows comparisons to other cities' noise levels.</li> </ul>	Community Strategies (if only mapping) or City & Regional Planning (if strategy development is approved)
Targeted Measurement of Noise Exposure  (Noise Measurement)	Includes installing and maintaining a network of sound level monitor devices around Calgary. Locations influenced by weighted 311 complaint volume and known high-use areas.	6 months	Existing budget and staff time	<ul style="list-style-type: none"> <li>Opportunity to verify the calculated noise model.</li> <li>Informs which types of noise are problematic (e.g.: is it barking dog or road noise or both?)</li> <li>Provides objective source of noise issue data. (Likelihood to complain to 311 varies based on cultural and socioeconomic factors.)</li> </ul>	Information Technology + University of Calgary
Soundscape Assessment Pilot Project	Engagement activities including community walks and public feedback as participants experience neighbourhood and community sounds, both positive and negative.	3 months	\$50K (includes both communications and engagement)	<ul style="list-style-type: none"> <li>Raises public awareness of soundscapes and community noise.</li> <li>Gives a qualitative lens on how Calgarians feel about sound.</li> </ul>	Engage + same BU as Strategy development
Develop and Present for Approval a City of Calgary Noise Strategy	If above projects demonstrate a need, development of the strategy could include goals, actions, timelines, and evaluation methodology spanning the entire organization. Would include actions and plans from 12 months to 20+	18 months	\$450K (does not include implementation costs)	<ul style="list-style-type: none"> <li>Allows The City to reduce the public effects of excess noise through a comprehensive and coordinated plan.</li> <li>Makes recommendations about how to navigate the trade-offs between community vibrancy and sleep quality.</li> <li>Proposes an approach to long-term noise measurement; mitigation and prevention</li> </ul>	City & Regional Planning

	years. Also includes “quick wins” on simpler changes to bylaws, procedures, and practices in alignment with health benefits and based on lessons from noise mapping and soundscape project.			techniques impacting many areas of City service as well as businesses and residents’ conduct.	
Develop and Present for Approval a Noise Bylaw	A bylaw that establishes rules for noise generation, mitigation, and enforcement across Calgary. Requires significant public and industry engagement.	18 months	Existing staff time	<ul style="list-style-type: none"> <li>Provides The City with the legislative tools to implement the Noise Strategy.</li> </ul>	Community Strategies
Implementation of Strategy	Make process, rule, and built form changes to implement stated goals and actions of the Strategy. Would have both operational and capital cost implications.	20+ years	TBD – depends on the approved scope of the strategy and the desired pace of implementation.	<ul style="list-style-type: none"> <li>Improve the health of Calgarians.</li> <li>Become a municipal leader in noise management.</li> <li>Could include community and transport design changes which would take place as part of gradual and incremental redevelopment over decades.</li> </ul>	City & Regional Planning – City-wide impacts