

# Advocating for Complete Communities

A Preliminary Research Project



# Approach

## Background

- Literature Review

## Jurisdictional Scan

- 5 Canadian Communities

## Interviews

- Local Perspectives/Expert Insight

# The Issue: Sprawl

- Land-use segregation
- Car-dependency
- Negative externalities



# The Solution: Complete Communities



- Equitable and accessible
- Mixed-use
- Housing options
- Transit-oriented



**Housing**  
(i.e., low, medium and high rise)



**Retail, Commercial and Health Services**  
(e.g., grocery stores, pharmacies, doctor's offices)



**Public Service Facilities**  
(e.g., recreation facilities, libraries, indoor community centres)



**Education**  
(e.g., schools, licensed child care)



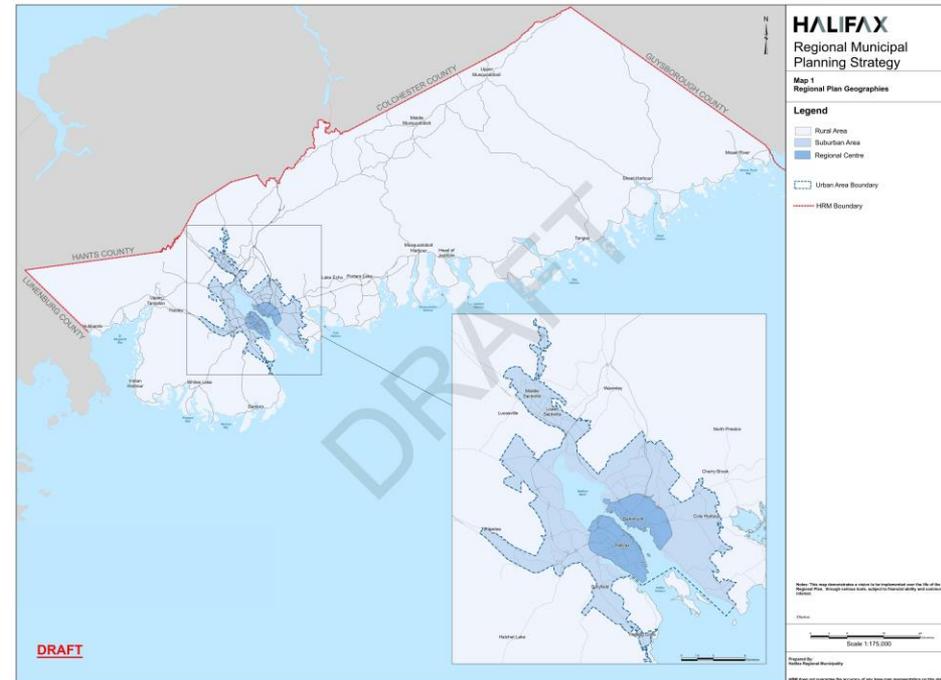
**Parks and Greenspaces**  
(e.g., playgrounds, pathways)



**Sustainable Mobility**  
(e.g. cycling facilities, sidewalks, transit)

# HRM Context

- Rapidly growing
- 90% of new growth in urban and suburban communities

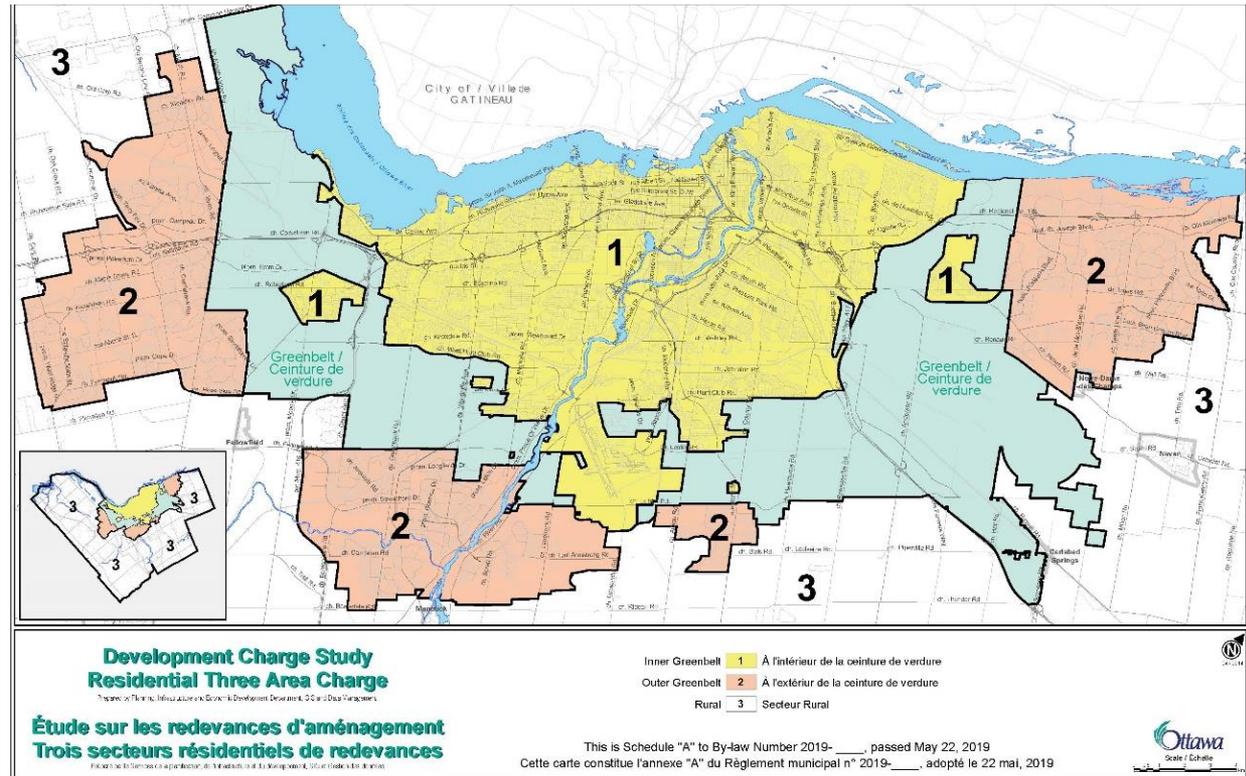


# Models From Other Jurisdictions

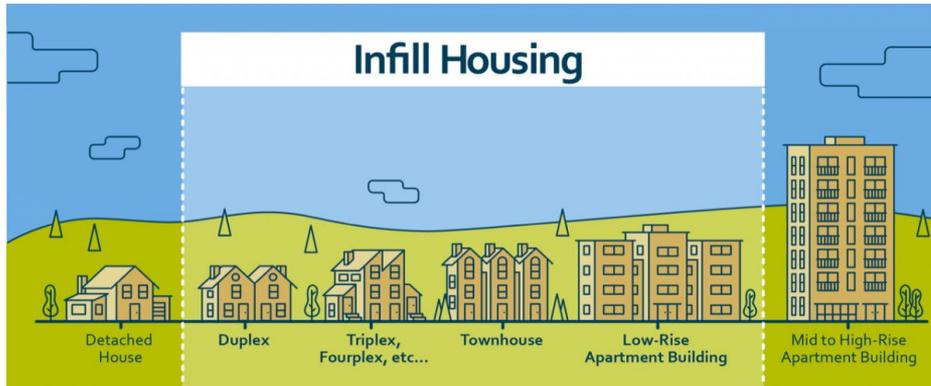


# Ottawa, ON: Putting a Cost on Sprawl

- Area-based development charges



# Kelowna, BC: Infill Design Competition



- Created standardized infill housing
- Fast-tracked infill development
- Educational materials



# Brampton, ON: Sustainability Metrics

- Consolidated priority plans
- Onus on developers to meet priority plan goals

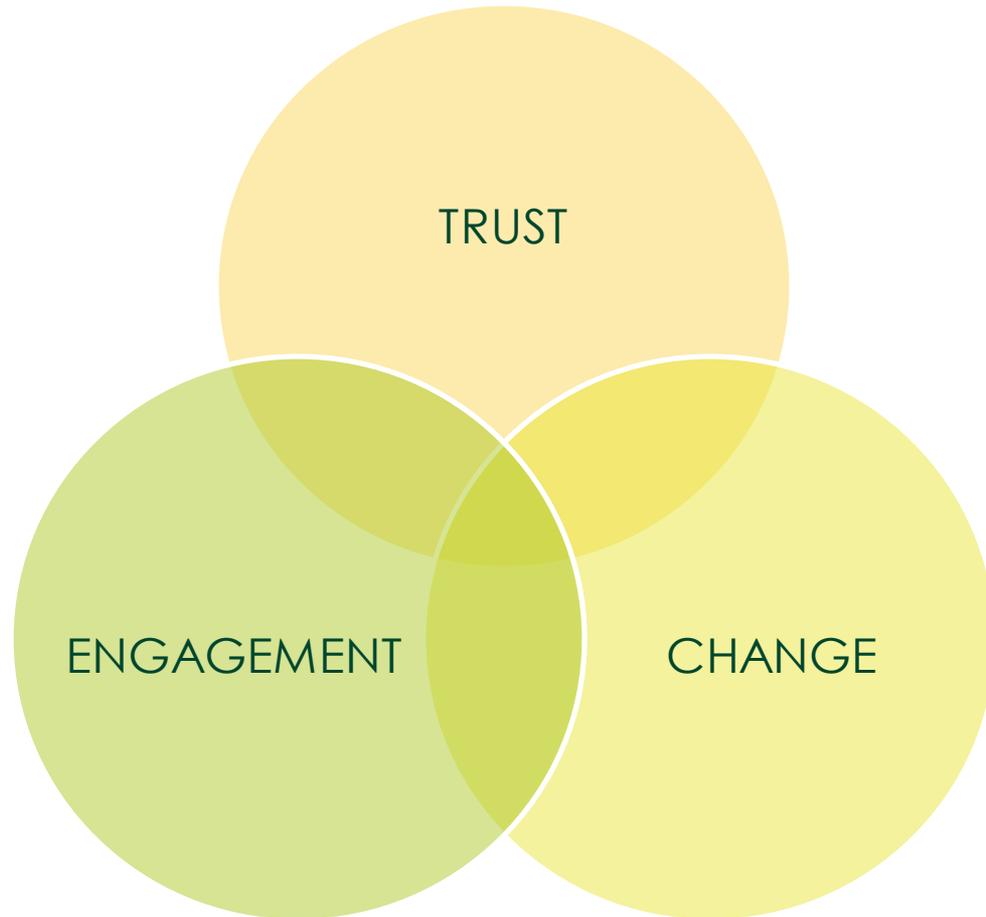
## Indicators

The following are the performance indicators organized by category. Each performance indicator has associated metrics that are allocated a point score. The metrics reflect characteristics of a sustainable community and are designed to outline the required measures or standards for each category to ensure that the overall objectives of the Sustainability Metrics are achieved.

BUILT ENVIRONMENT	MOBILITY	NATURAL ENVIRONMENT AND PARKS
<ul style="list-style-type: none"> <li><input type="checkbox"/> BE-1: Proximity to Amenities</li> <li><input type="checkbox"/> BE-2: Mixed-Use Development</li> <li><input type="checkbox"/> BE-3: Housing Diversity</li> <li><input type="checkbox"/> BE-4: Community and Neighbourhood Scale</li> <li><input type="checkbox"/> BE-5: Cultural Heritage Conservation</li> <li><input type="checkbox"/> BE-6: Urban Tree Canopy and Shaded Walkways/Sidewalks</li> <li><input type="checkbox"/> BE-7: Salt Management (<i>design and practices to reduce salt dependency</i>)</li> <li><input type="checkbox"/> BE-8: Carshare and Carpool Parking</li> <li><input type="checkbox"/> BE-9: Surface Parking Footprint</li> <li><input type="checkbox"/> BE-10: Electric Vehicle Charging Stations</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> M-1: Block Length</li> <li><input type="checkbox"/> M-2: School Proximity to Transit and Cycling Network</li> <li><input type="checkbox"/> M-3: Intersection Density</li> <li><input type="checkbox"/> M-4: Walkable Streets</li> <li><input type="checkbox"/> M-5: Pedestrian Amenities</li> <li><input type="checkbox"/> M-6: Bicycle Parking</li> <li><input type="checkbox"/> M-7: Trails and Cycling Infrastructure</li> <li><input type="checkbox"/> M-8: Active Transportation Network</li> <li><input type="checkbox"/> M-9: Distance to Public Transit</li> <li><input type="checkbox"/> M-10: Traffic Calming</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> NE-1: Tree Conservation</li> <li><input type="checkbox"/> NE-2: Soil Quantity and Quality for New Trees</li> <li><input type="checkbox"/> NE-3: Healthy Soils</li> <li><input type="checkbox"/> NE-4: Natural Heritage Connections</li> <li><input type="checkbox"/> NE-5: Natural Heritage System Enhancements</li> <li><input type="checkbox"/> NE-6: Supporting Pollinators</li> <li><input type="checkbox"/> NE-7: Dedicated Fruit/Vegetable Garden Space</li> <li><input type="checkbox"/> NE-8: Park Access</li> <li><input type="checkbox"/> NE-9: Stormwater Quantity</li> <li><input type="checkbox"/> NE-10: Stormwater Quality</li> <li><input type="checkbox"/> NE-11: Potable Water Use</li> <li><input type="checkbox"/> NE-12: Multi-purpose Stormwater Management</li> </ul>
INFRASTRUCTURE AND BUILDINGS	INNOVATION	
<ul style="list-style-type: none"> <li><input type="checkbox"/> IB-1: Buildings Designed/Certified Under Accredited "Green" Rating System</li> <li><input type="checkbox"/> IB-2: Accessibility for Multi-Unit Dwellings</li> <li><input type="checkbox"/> IB-3: Building Accessibility (Barrier Free Entry/Egress)</li> <li><input type="checkbox"/> IB-4: Embodied Carbon of Building Materials: Supplementary Cementitious Materials</li> <li><input type="checkbox"/> IB-5: Embodied Carbon of Building Materials: Life Cycle Assessment</li> <li><input type="checkbox"/> IB-6: Embodied Carbon of Building Materials: Material Efficient Framing</li> <li><input type="checkbox"/> IB-7: Heat Island Reduction: Non-Roof</li> <li><input type="checkbox"/> IB-8: Heat Island Reduction: Roof</li> <li><input type="checkbox"/> IB-9: Solar Gain Control</li> <li><input type="checkbox"/> IB-10: Solar Readiness</li> <li><input type="checkbox"/> IB-11: Energy Strategy</li> <li><input type="checkbox"/> IB-12: Building Energy Efficiency, GHG Reduction, and Resilience</li> <li><input type="checkbox"/> IB-13: Rainwater and Greywater Use</li> <li><input type="checkbox"/> IB-14: Back-Up Power</li> <li><input type="checkbox"/> IB-15: Extreme Wind Protection for Ground-Oriented Development</li> <li><input type="checkbox"/> IB-16: Sub-Metering of Thermal Energy and Water</li> <li><input type="checkbox"/> IB-17: Light Pollution Reduction</li> <li><input type="checkbox"/> IB-18: Bird-Friendly Design</li> <li><input type="checkbox"/> IB-19: Solid Waste</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I-1: Innovation</li> </ul>	



# What We Heard



# Key Takeaways

- Need to engage the "silent majority"
- Important to visualize complete communities in HRM
- Support progressive and proactive plans



# Thank you

