



March 01, 2008

# Sustainable Halton Growth Management Strategy Evaluation Framework



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## Introduction

The following report details the development and refinement of the Sustainable Halton Growth Management Strategy Evaluation Framework. The principles are representative of healthy, complete, sustainable communities. The translation of these principles into measurable evaluation criteria will be used to develop and appraise various scenarios for future growth in Halton. Stakeholders from multiple levels of government, advisory committees and general public were continually engaged in the development and refinement of the principles and the Evaluation Framework.



The Sustainable Halton Plan has many initiatives, including the Growth Management Strategy now underway. The aim of the Sustainable Halton Plan is to put in place a long-term growth strategy based on healthy communities principles; and, it will serve as a blueprint for building sustainable, complete and healthy communities in Halton well into the future—providing some degree of certainty for the residents of Halton Region, the natural environment, the agricultural community, the aggregate industry, landowners and other stakeholder groups.

The Growth Management Strategy and the supporting resource management strategies that make up the Sustainable Halton Plan are scheduled for completion by June 2009, and they are organized into four phases: Building Blocks, Strategic Planning, Decision Making, and Official Plan Review.

### *Phase 1: Building Blocks*

The information drawn from the technical background studies in the first phase provide important baseline data for the Growth Management Strategy. These initiatives consisted of four major building blocks: Identifying the Natural Heritage System; developing an Agricultural Vision; establishing an Aggregate Resource Strategy; and, updating the Region's Watershed Plans. Developing a framework for planning for new growth consisted of three major building blocks: Developing an integrated Halton Intensification Strategy; completing the Halton Economic Development Strategy; and, updating the Best Planning Estimates.

The overall product of the first phase of the Sustainable Halton Plan resulted in 22 technical background papers, which are intended to



# Evaluation Framework

## Sustainable Halton Growth Management Strategy

assist in the formulation of alternative policy approaches. These background papers also provided key principles of a complete community, which were incorporated into the Phase Two work. The Phase One work began May 2006 and was completed in December of 2007.

### Phase 2: Strategic Planning

The building blocks developed in Phase One are brought together in Phase Two to create concepts, formulate strategies, and evaluate scenarios, with the overall intent of crafting a sound, environmentally sustainable, and health-promoting growth management plan for the Halton Region. In addition to the development of the Evaluation Framework, Phase Two also focuses on the development and testing of growth scenarios to arrive at a preferred growth scenario.

### Phase 3: Decision Making

The focus will be to develop the policy structure to implement the Sustainable Halton Plan—including a long-term growth strategy and the development of mature state infrastructure plans (Transportation Master Plan and Master Servicing Plan). Phase Three will begin with the release of a preferred growth scenario, to be selected at the end of Phase Two.

### Phase 4: Official Plan Review

The final stage of the Sustainable Halton Plan involves developing a draft Official Plan Amendment, including policies to implement the preferred growth option, and developing a financial and implementation plan for Regional Council’s consideration.

Image 1: Sustainable Halton Plan Phasing



This report is the culmination of the first part of the Phase Two work program, which is to establish the objectives and an Evaluation Framework for testing a range of growth scenarios. The Framework will be used to inform the creation of a series (“long-list”) of 8 to 10 growth scenarios; and it will form the basis for assessing the long-list in order to arrive at a short-list of 3 to 4 growth scenarios.

The Project Team and Regional staff will carry out internal due diligence to identify potential issues and prepare preliminary cost/value estimates with respect to each of the short-listed growth scenarios. The scenarios will then be refined to reflect the outcome of the internal audit, and to reflect stakeholder feedback. At the completion of the refinement stage, the Project Team will recommend a growth scenario that best achieves the Region’s Planning Vision and the goals and objectives set out in the Evaluation Framework.

## Background: Context for Growth

The Greater Golden Horseshoe is projected to receive 3.7 million more people and 1.8 million more jobs over the next 25 years. The Region of Halton, in conjunction with the Local Municipalities, is committed to planning for the anticipated increase of people and jobs. Ensuring Halton’s high quality of life, while addressing issues such as growth, affordable housing, environmental protection and transportation, is fundamental to Region’s Sustainable Halton Plan.

Guided by the Halton Region 2007-2010 Strategic Plan and the Regional Official Plan, the Sustainable Halton Growth Management Strategy responds to the population and employment projections included as Schedule 3 of the Provincial Growth Plan. According to *Places to Grow*, there will be 780,000 people and 390,000 jobs in Halton by the year 2031. Presently, Halton has allocated land and infrastructure to serve the anticipated population of 628,900 people and 340,000 jobs. Sustainable Halton is developing a strategy for projected growth between the years 2021 to 2031, which amounts to 151,100 people and 50,000 jobs.



### *Planning for the Future*

The growth management process is not a new practice. It occurs at least every 20 to 30 years, whereby regions and municipalities make use of growth forecasts to reassess land availability, to confirm hard and soft service capacity, and to implement a growth management strategy. The last Halton Region growth management exercise occurred in the early 1990s with the creation of the Halton Urban Structure Plan (HUSP). HUSP established North Oakville and lands around Milton as areas identified for new growth. The current Sustainable Halton process builds on the Region’s growth management legacy; and, rather than starting by asking, “Where do we grow?” the present growth management process begins with the Region’s planning vision and asks, “What steps are necessary to achieve our vision?”

Chart 1: Growth Plan, Schedule 3

Distribution of Population and Employment of the Greater Golden Horseshoe 2001-2031 (figures in 000s)								
	Population				Employment			
	2001	2011	2021	2031	2001	2011	2021	2031
Region of Durham	530	660	810	960	190	260	310	350
Region of York	760	1060	1300	1500	390	590	700	780
City of Toronto	2590	2760	2930	3080	1440	1540	1600	1640
Region of Peel	1030	1320	1490	1640	530	730	820	870
Region of Halton	390	520	650	780	190	280	340	390
City of Hamilton	510	540	590	660	210	230	270	300
<b>GTAH Total</b>	<b>5810</b>	<b>6860</b>	<b>7770</b>	<b>8620</b>	<b>2950</b>	<b>3630</b>	<b>4040</b>	<b>4330</b>

*Places to Grow* (2006)

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### Vision for a Sustainable Halton

Consistent with the Region's support of the concept of sustainable development, the Sustainable Halton Growth Management Strategy looks to meet "...the need of the present without compromising the ability of future generations to meet their own need" (Our Common Future, The World Commission on Environment and Development, 1987). The underlying concept of this approach is inter-generational equity, which is also the central aim of the Region's planning vision, as set out in the Official Plan:

*"...to preserve for this and future generations a landscape that is rich, diverse, balanced and sustainable, and a society that is economically strong, equitable and caring".*

Accordingly, the Growth Management Strategy foundation is based on a balance between protecting the natural environment, enhancing economic competitiveness, and fostering a healthy, equitable society. Essential to this foundation, is respecting the Region's approach to landform permanence, whereby urban development and changes to the landscape are accommodated in a fashion that is sensitive to its natural environment, heritage and culture.

The Region's approach to landform permanence ensures the preservation of landforms that make Halton a desirable and identifiable place for this and future generations. Landforms such as: The Greenlands System (Escarpment Natural Area, Environmentally Sensitive Areas, wetlands, streams and valley systems, and Lake Ontario and Burlington Bay shoreline) are to be retained in their current form and extent; and, farmlands and the rural landscape (including farms, countryside, and forested areas) are to be preserved in large measure, so that they will always form part of Halton's landscape.

The Sustainable Halton Growth Management Strategy will reflect the Region's approach to landform permanence through its principles, goals and objectives.

The "Made in Halton" Growth Management Strategy will comply with the Provincial Policy Statement (2005), the Greenbelt Act (Bill 135, 2005) and the Places to Grow Act (Bill 136, 2005), and it will be consistent with the Planning Act (including Bill 51, the Planning and Conservation Land Statute Law Amendment Act, 2006). The Growth Management Strategy will ensure that the baseline standard for all growth scenarios conform to provincial, regional and local policies that promote urbanization and intensification.

Consistent with Provincial greenspace initiatives, the Region is taking a comprehensive and proactive approach to the management of Halton's Natural Heritage System. Through the Growth Management Strategy, the Region will be expanding conservation lands and increasing connectivity within existing protective areas.





### Complete and Healthy Communities

The process of developing the Growth Management Strategy and Evaluation Framework has sparked spirited and insightful dialogue among various stakeholders and the general public. This ongoing dialogue has helped define how and where Halton should grow. The people of Halton have made it clear that they value elements of a complete and healthy community, as set out in the Regional planning policy, and welcome opportunities to be able to enjoy these places.

Many participants in the process emphasized the importance of integrating the Growth Management Strategy with principles of sustainability: Reducing consumption, reducing waste, not taking more than what we can give back, and sharing resources equally. By taking a proactive approach to sustainability, the Region can avoid potential problems and respond quickly with solutions that can be readily implemented. Stakeholders also stressed elements of quality of life, promoting human health and air quality by designing complete communities that lower automobile use, reduce material consumption, protect green spaces, and promote physical activity.

The concept of a complete community is emphasized in the Provincial Growth Plan, and is further expanded upon in the Sustainable Halton Phase One Reports. For Halton, a complete community is one that promotes and celebrates diversity, liveability, physical health and well-being, and accessibility. More specifically, a complete community is one that integrates:

1. Diversity: full range of housing (price, type, size) and community infrastructure;

Image 2: Complete Communities



# Evaluation Framework

## Sustainable Halton Growth Management Strategy

2. Liveability: walkable, live/work communities, with convenient access to transportation, employment, services, etc., and a sense of community, local character and community involvement;
3. Physical Health and Well-being: safe communities with good air quality and reduced congestion; and, opportunities to age in place; and,
4. Inclusive: accessible to all community members; housing & employment options to meet diverse needs, including special needs and assisted housing; and, a diverse economic and social fabric.

In the 21st century economy, the liveability of a place, including the natural environment, the built environment, the culture and recreational offerings, all contribute to attracting residents, visitors and investment. By balancing our need to protect the natural environment, promote economic competitiveness, and foster a healthy, equitable society, the Region creates the preconditions for its overall goal "...to enhance the quality of life for all people of Halton."

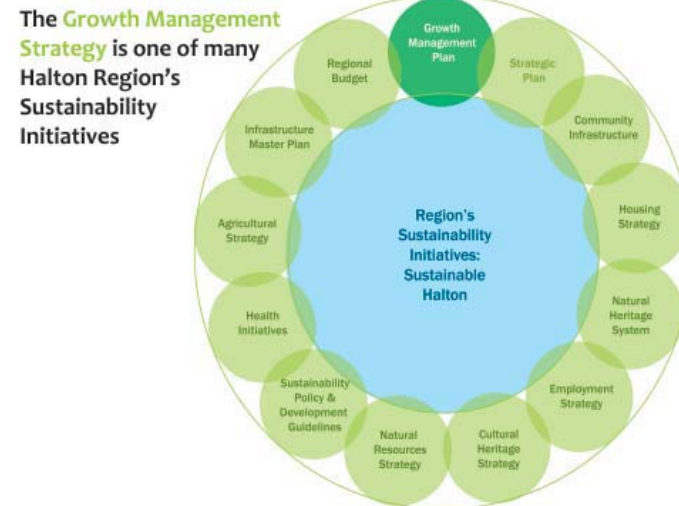


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## The Growth Management Strategy

The Growth Management Strategy forms just one of several initiatives that will lead to a Sustainable Halton. The Growth Management Strategy concentrates on high-level Regional growth-related issues, such as population and employment allocations, servicing systems, transportation corridors, etc., as directed by Provincial and Regional policy. The implementation of a growth management strategy requires a partnership between all levels of government (Federal, Provincial, Regional and Local), government agencies (School Boards, Conservation Authorities) and the community.

Image 3: Sustainable Halton Plan Initiatives



Accordingly, not all growth-related elements are addressed directly through the Regional growth management strategy. In order to meet future growth management objectives, a coordinated approach, involving a number of initiatives and different levels of government, will be critical to success.

As an example, the direction to plan for more complete and transit friendly communities originates with Regional and Provincial Policies; but it is the finer grain elements, such as schools, parks or creating a neighbourhood layout that is connected to the surrounding street network, which are determined at the secondary plan and development approvals stage, and they are the purview of the Local Municipalities (as illustrated below). The Region and the Local Municipalities are also dependent on provincial funding and infrastructure (Hospitals, GO Transit) to implement the Strategy.

The Evaluation Framework recognizes and fundamentally addresses those goals and objectives that can be dealt with at the Regional level, while at the same time recognizing important principles for inclusion in appropriate policy or design frameworks at the Municipal level.

Image 4: Halton Regional Planning Process



## From Principles to Growth Scenarios

The process of developing and refining the principles and the Evaluation Framework has provided meaningful opportunities for capturing local perspectives, ideas and insights. This feedback is essential in order to make certain—at each stage of development—that the principles, which inform the Evaluation Framework (themes, goals and objectives), resonate with the community.

As a starting point, Phase One of the Growth Management Strategy identified a series of principles, which form the basis of the Evaluation Framework. These principles were first derived from “the four key principles that emanate from the Sustainable Halton Plan (Phase One) process” (PPW76-07). These principles or themes were detailed by drawing from best practices in growth management, Provincial, Regional and Municipal Policy directions, and community consultation.

Image 5: Getting to the Growth Management Principles





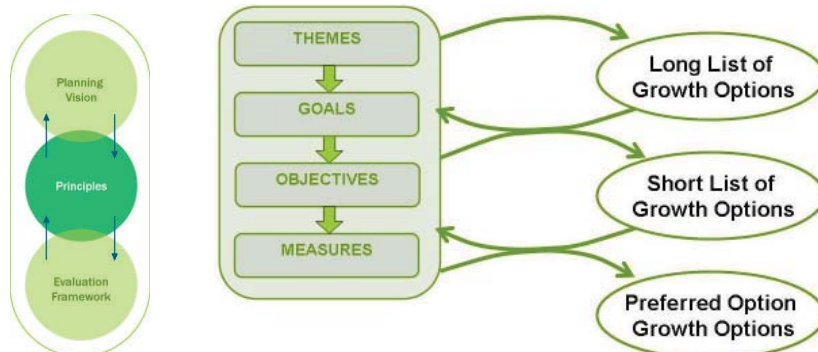
# Evaluation Framework

## Sustainable Halton Growth Management Strategy

Since September 2007, the focus of Phase Two has been on translating principles for a complete and healthy community developed in Phase One into an Evaluation Framework. The process of developing the Evaluation Framework has spanned several months and involved numerous interviews and meetings, including stakeholder workshops and public information centres in each of the Local Municipalities.

Moving from the principles to the preferred growth scenario, and subsequently to a final Growth Management Strategy, is a highly iterative process. The Evaluation Framework helps to identify important elements that should be incorporated into the long-list of growth scenarios, such as protect and strengthen the Regional structure. Then, used as a tool to appraise the long-list, the goals of the Evaluation Framework assists to cull those scenarios that are less feasible than others—resulting in the short list. Finally, the measures contained in the Evaluation Framework are used to test each of the short-listed growth scenarios in order to recommend a preferred growth scenario.

Image 6: Getting to the Growth Scenarios



## Consultation

Getting to a “Made in Halton” Growth Management Strategy is a highly collaborative process. An extensive consultation program was established to develop and refine a set of principles and the corresponding Evaluation Framework. Key stakeholders were continually engaged throughout the creation and refinement of the healthy, complete, sustainable community principles. Key stakeholders included:

- The general public;
- Key Stakeholders: business, community and residents associations; development industry; environmental groups and others;
- Local Municipalities: City of Burlington, Town of Oakville, Town of Milton, and Town of Halton Hills;
- Council-appointed Advisory Committees: Environmental, agricultural, elder Services, housing and others;
- Core Technical Committee (CTC): staff from various Regional Departments;
- Inter-Municipal Technical Committee (IMTC): Provincial ministries, Local Municipalities and other Agencies;
- Inter-Municipal Liaison Committee (IMLC): Members of Regional Council, the Region and Local CAO’s;
- Regional Management Committee; and,
- Local high schools and youth groups.

The public, stakeholders and technical agency participation was crucial to the creation of a set of “Made in Halton” principles that reflect local values and aspirations. While there has been debate over specific issues, there has generally been support for the elements contained in the Evaluation Framework and their importance in creating complete and healthy communities. A summary of outcomes from these discussions is provided in the Sustainable Halton Phase 2 Consultation Report February 2008.

## Elements of the Evaluation Framework

The Evaluation Framework is a consolidation of the Region's planning vision and healthy, complete and sustainable principles that are translated into measures, which are then used to inform and appraise potential growth scenarios. The elements of the Framework were developed on the basis of three conditions:

1. They highlight differences between potential growth scenarios;
- 2 They can be measured appropriately and accurately; and,
3. The measures reflect the available sources of data.

The Evaluation Framework is organized into a hierarchy of themes, goals and objectives. The themes are broad overarching key directions that structure the Evaluation Framework, and are the result of Phase One of the Sustainable Halton process. The goals provide direction on the desired outcomes of development in Halton; and, the objectives, provide measurable targets of the development and evaluation of regional growth scenarios.



The four Sustainable Halton themes, presented below, were drawn from the summary Sustainable Halton Plan Phase 1 report (PPW76-07), and in essence these themes articulate Halton's vision for the next phase of the Region's development:

1. **Protect What is Valuable:** Permanently protect and manage Halton's natural environment to preserve the Region's unique natural heritage, maintain a healthy environment, and allow for the wise use of natural resources. This first theme is about ensuring a rich, diverse, balanced and sustainable landscape.
2. **Foster Complete, Healthy and Sustainable Communities Throughout the Region:** Protect and enhance quality of life, community values, neighbourhood character. The second theme subscribes to the planning principles as espoused in the Growth Plan, including complete communities, protection of employment lands, transit as a priority, and firm distinct urban boundaries. Intrinsic to this theme is the recognition of the need to be sensitive to local circumstances.
3. **Ensure Sustainable Infrastructure to Support Growth:** Achieving environmental benefits, economic optimization and societal responsibility. The third theme notes that achieving the targets and conformity with the Growth Plan translates into financial commitments, legislative changes, and changes in the Provincial funding program to ensure that the Region does not register a deficit in urban infrastructure (i.e. roads, transit, water and sewer facilities, hospitals, schools, and community facilities).

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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4. Promote Health for All: Ensure community development promotes a healthy population and environment. The fourth theme concentrates on approaching the land use planning process from a health lens that is firmly rooted in healthy communities and sustainability principles.

The growth scenario that *best achieves* the Region's Planning Vision will be the recommended option. The process requires that each potential growth scenario be ranked against the themes, goals and objectives contained in the Evaluation Framework—the measures are not weighted. While there are many principles in the framework that overlap, given their complexity and inter-related nature (i.e. increasing multi-modal opportunities, impacts of air quality, transportation networks, etc.), these redundancies will be accounted for. In any case, the overarching determination is the degree of adherence —of each of the potential growth options—to the Region's Planning Vision.

It should be noted that Theme Four: Promote Health for All, is addressed in a different fashion than the other three Themes. While Theme Four contains very important goals and objectives that do—in a holistic way—inform the development of the growth scenarios; they are not directly measurable at this early stage of the planning process. As discussed on page six and seven, the Evaluation Framework does recognize and address by-in-large those goals and objectives that can be dealt with at the Regional level, and at the same time acknowledges that these principles are dealt with through other processes, such as policy or design frameworks at the Municipal level.

The following pages list and illustrate the goals and objectives under each theme, and Appendix A contains the complete evaluation framework of goals, objectives and measures.







## Theme 1: Protect What is Valuable

- 1.1 Protect a resilient and self-sustaining Natural Heritage System (NHS) integrating an 'ecosystem-based' approach that encompasses a connected system of cores of sufficient size to maintain or improve biological diversity and ecological function.
- a. Identify and protect core natural areas.
  - b. Identify and protect centres of regional biodiversity of sufficient area to allow the permanent protection of regional biodiversity.
  - c. Identify and protect centres of regional biodiversity that represent the two main landscapes in Halton "above" and "below" the escarpment.
  - d. Provide ecologically functional connections between Halton's NHS and the greater landscape in which the Region is situated.
  - e. Protect existing designated natural heritage.
- 
- 1.2 Enhance the NHS to strengthen habitat areas and reduce the impact of new development.
- a. Promote existing natural heritage features within a connected system of cores, linkages and watercourses.
  - b. Promote existing natural heritage features within a connected system of cores, linkages and watercourses (evaluated by different measures than in 1.2.a).
  - c. Provide alternate connections among natural heritage features.

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### Theme 1: Protect What is Valuable

- 1.3 Maximize opportunities to protect agricultural lands and promote agricultural local food production.
- a. Protect a contiguous agricultural land base to ensure critical mass.
  - b. Ensure suitable infrastructure to support a variety of agricultural activities.
  - c. Avoid development on lands most suitable for agricultural purposes.
  - d. Prioritize lands used for those agricultural uses that have conditions to support it.
  - e. Minimize impacts of expanding development areas on existing agricultural operations.



- 1.4 Ensure compatibility with surrounding uses through management of mineral resource areas.
- a. Minimize encroachment of development onto mineral resource areas.
  - b. Prioritize protection of agricultural areas that support aggregate extraction as an interim use.
  - c. Minimize impacts of mineral extraction on new development.



### Theme 1: Protect What is Valuable



- 1.5 Ensure protection of significant cultural heritage resources.
- a. Conserve cultural heritage landscapes and archaeological resources.
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- 1.6 Improve Halton Region's air quality and reduce impact on the climate.
- a. Minimize emissions of air pollutants and greenhouse gases associated with transportation.
  - b. Minimize emissions of air pollutants and greenhouse gases associated with energy use in buildings.
  - c. Use open space, the natural heritage system and agricultural land to reduce emissions of air pollutants and the "urban heat island effect".
  - d. Preserve agricultural land and the natural heritage system to reduce the impacts associated with extreme weather events.
  - e. Preserve the natural heritage system as a carbon sink for greenhouse gases.



# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### **Theme 2: Foster Complete, Healthy, Sustainable Communities Throughout the Region**

- 2.1 Promote appropriate intensification to meet the full range of current and future needs.
- a. Encourage redevelopment of underutilized urban land.
  - b. Plan for a full range of housing, taking into account affordable housing needs.
  - c. Development along nodes and corridors shall occur at densities that are transit supportive.
  - d. Locate the most intensive development around the provincially designated Urban Growth Centres.
  - e. Reduce the amount of land required for development outside the urban area by increasing the density of new development.
  - f. Provide for a balance in population and employment growth across Halton Region.
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- 2.2 Locate new development to enhance access to transit corridors, employment areas, and community services.
- a. Ensure new residential, employment and mixed use development is in close proximity to established communities.
  - b. Ensure new residential, employment and mixed use development is compatible with existing uses.
  - c. Ensure new residential areas are supported by the Regional road system.
  - d. Promote travel by transit as an alternative to the private automobile.

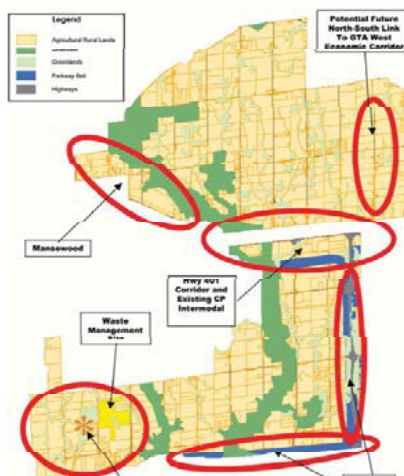


**Theme 2: Foster Complete, Healthy, Sustainable Communities Throughout the Region**



- 2.3 Promote access to green space system.
- a. Locate new residential areas where there is potential to enjoy an interconnected green space system.

Potential new employment areas



- 2.4 Protect for employment needs to 2031 and beyond.
- a. Locate new employment areas near primary transit networks to reduce travel to work by private automobile.
  - b. Locate new employment areas with direct access to inter-regional and intra-regional transportation networks.
  - c. Avoid non-employment related development on those lands suitable for serving employment needs beyond 2031.
  - d. Locate new employment to ensure a viable, competitive and well-functioning land market.
  - e. Locate appropriately sized employment areas.



- 2.5 Protect and strengthen the Regional Structure.
- a. Strengthen the Region's structure of urban and rural areas, nodes, corridors, open space and inter-regional connections.
  - b. Maintain and strengthen Halton Region's distinct communities.

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### **Theme 3: Ensure Sustainable Infrastructure to Support Growth**

- 3.1 Make best use of existing water and waste water infrastructure and minimize the need for major new infrastructure.
- a. Minimize cost of new hard infrastructure.
  - b. Make best use of existing infrastructure.
  - c. Minimize infrastructure development in greenfields.
  - d. Maximize the use of existing and planned infrastructure.
  - e. Ensure financial sustainability for the Region and Local Municipalities.
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- 3.2 Make best use of existing human services infrastructure and minimize the need for major new infrastructure.
- a. Ensure intensification growth is supported by human services infrastructure.
  - b. Ensure new residential areas are supported by a locally delivered, responsive human services infrastructure.
  - c. Ensure growth is supported by a locally delivered, responsive human services infrastructure.
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- 3.3 Financial Sustainability
- a. Ensure financial sustainability for the Region and Local Municipalities.





## Theme 3: Ensure Sustainable Infrastructure to Support Growth



3.4 Financial Viability.

a. Ensure the Plan can be financially implemented.

3.5 Ensure the long-term reliability and security of essential systems.

a. Locate new residential and employment uses where there is security of water supply.

b. Provide opportunity to reduce infiltration and inflow.

c. Ensure source water protection.

d. Protect critical infrastructure from adjacent incompatible uses.

3.6 Plan for a sustainable mature state.

a. Plan for a sustainable mature state by ensuring flexibility for infrastructure beyond 2031.

b. Implement plans to phase in the needed infrastructure to 2031 in a manner that integrates both transportation and water and wastewater infrastructure.

3.7 Plan for an integrated transportation network.

a. Ensure suitable transportation infrastructure that accommodates the movement of goods and people both inter- and intra-regionally.

b. Ensure opportunities for active travel (i.e. cycling, walking) and movement by public transportation.

c. Maximize the use of existing and planned infrastructure.

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### Theme 4: Promote Health For All

#### 4.1 Promote a Culture of Conservation (Air, Energy, Water, & Waste).

a. Minimize regional air pollution. Consideration included in the Regional Growth Strategy through: increasing neighbourhood, development and regional density; incorporating different land uses within a development or neighbourhood; locating transit near high-density locations; encouraging pedestrian-friendly designs; centralizing or clustering activities within the Region and incorporating transit development maintaining/increasing vegetative and forest cover. Implemented through Regional and Local Official Plans, Secondary Plans and Regional Guidelines.

b. Encourage the preservation of built heritage inventory. Identify and protect cultural heritage and built heritage assets. Implemented through Local Official Plans and Secondary Plans.

c. Encourage the application of high energy efficiency standards and renewable energies to new buildings and whole communities. Consideration included in the Regional Growth Strategy through: reference to LEED certification for new buildings; reference to LEED N.D. standards for new neighbourhood development; consideration of new servicing standards to reflect new energy conservation technology; and, encouragement of private home use of energy efficient water, waste, and hydro consumption. Implemented through Regional and Local Official Plans, Secondary Plans and Regional Guidelines.

d. Optimize progressive rehabilitation of mineral resources areas and consideration for appropriate 'after' land use. The Region will continue to enhance its on-going monitoring role of review/comment and approval of local planning implementation, respecting the achievement of the Sustainable Halton Growth



### Theme 4: Promote Health For All

Management Strategy. Implemented through Regional and Local Official Plans, Secondary Plans and Regional Guidelines.

e. Promote water conservation through community design. Measures related to the NHS are in Theme One. Additional implementation carried out through the Secondary Plan and Subdivision Planning Stages. The Niagara Escarpment Commission, Conservation Authorities, and the Region will continue to enhance its on-going monitoring role of review/comment and approval of local planning implementation.

f. Endeavor to protect and enhance the Lake Ontario and Hamilton Harbour Ecosystems. To be addressed through the Water and Waste Water Master Plan. Policies are already in place to support managed shoreline development and the Hamilton Harbour Remedial Action Plan.

g. Locate new development where it does not compromise the health of the watersheds or impede upon Natural Hazards. To be determined by Conservation Authorities and supported in Local Official Plans. The Ministry of Natural Resources, Conservation Authorities and the Region will continue to enhance its on-going monitoring role of review/comment and approval of local planning implementation.

h. Promote the implementation of storm water management best practices. To be determined at the Secondary Plan and Subdivision Planning stages. The Region will continue to enhance its on-going monitoring role of review/comment and approval of local planning implementation, respecting the achievement of the Sustainable Halton Growth Management Strategy.





# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### Theme 4: Promote Health For All

i. Support an integrated waste management system that follows the waste hierarchy of reduce, reuse, recycle, recover, and infill. The Region will undertake an integrated waste management strategy and continue to facilitate Halton's monitoring role including review/comment and approval of local planning implementation respecting waste management.



4.2 Ensure provision of human services to support a healthy population.

a. Ensure human services and community services are strategically located throughout the community to increase and maximize public access. To be determined by a Community Infrastructure Plan. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy



4.3 Foster a variety of uses in downtowns, corridors and other key intensification areas.

a. Designate urban lands to encourage a mix of compatible land uses in commercial, office and residential areas. Mixed use node and corridor areas will be identified in all Regional growth options. The detailed land use structures are to be determined at the Local Official Plan stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.



### Theme 4: Promote Health For All



b. Encourage a mix of employment opportunities across the Region. To be determined at the local official plan and Secondary Planning stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

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#### 4.4 Promote complete communities through excellence in community design.

a. Plan for neighbourhood layouts that are connected to the surrounding street network and support all modes of transportation. To be determined at the Local Official Plan Secondary Plan and Subdivision Planning stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

b. Plan for an interconnected urban green space system including parks, tree plantings, green roofs and community gardens. To be determined at the Local Official Plan Secondary Plan and Subdivision Planning stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

c. Create walkable communities with mixed land uses, open spaces and connected street networks. To be determined at the Local Official Plan Secondary Plan and Subdivision Planning stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

# Evaluation Framework

## Sustainable Halton Growth Management Strategy

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### Theme 4: Promote Health For All

d. Ensure adequate range of housing tenure for all incomes, ages and family sizes. To be determined by Provincial and local housing policy and programs. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

e. Ensure that new development is compatible with or enhances local character and cultural landmarks. To be determined at the Local Official Plan Secondary Plan and Subdivision Planning Stages. The Region will undertake an on-going monitoring role including review/comment and approval of local planning implementation respecting the achievement of the Sustainable Halton Growth Management Strategy.

f. Develop alternative modes of transportation such as public transit and bike paths that can be used within and between communities. To be determined at the Local Official Plan stage. Regional scale transportation planning will be a critical element of the Sustainable Halton program.

