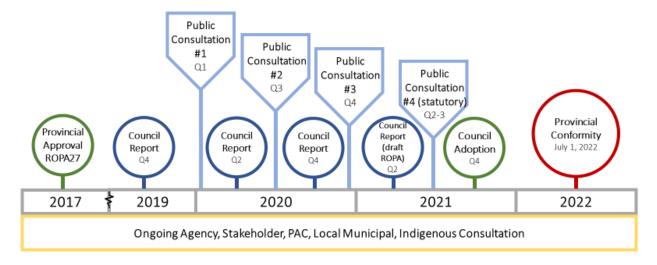
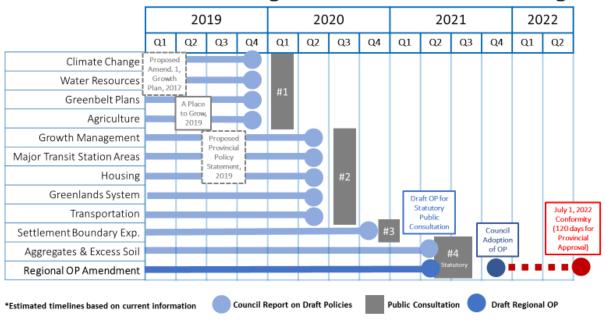
PEEL 2041 WORK PLAN AND CONSULTATION SCHEDULE

Peel 2041: 4 Stage Process



Peel 2041 Work Plan: Single Amendment MCR Timing



Note: Based on correspondence from the Minister dated November 12, 2019, opportunities to begin formal statutory consultations sooner will be considered that would allow for a phased conformity approach.



Agriculture & Rural Systems



What are agriculture and rural systems?

The rural system includes rural settlement areas, prime agricultural areas and rural lands, important natural heritage and water resources, as well as other natural resources such as mineral aggregates.

What is the Region doing?

- Protecting Prime Agriculture Areas for long-term use for agriculture
- Fostering access to healthy locally grown food
- Reducing and recovering food and organic waste
- Enhancing economic viability and environmental sustainability of the Agricultural System
- Protecting the character and natural environment of rural Peel
- Permitting a wider range of agriculture, agriculture-related and on-farm diversified uses

Why are agriculture and rural system policies important?

- Agriculture makes a significant contribution to Peel's economy and plays a vital role in maintaining the character of the rural community
- Access to healthy, affordable food contributes to public health
- Reducing food and organic waste has important environmental and economic benefits
- Rural greenlands, surface and ground water and other natural resources sustain Peel's quality of life and a healthy natural environment

Regional Official Plan policies will ...

- Implement Provincial policy direction incorporating policies that protect Prime Agricultural Areas and supporting agriculture and the Agricultural System
- Provide a policy framework/policy direction for more detailed planning and implementation by the local municipalities
- Enhance support for urban agriculture



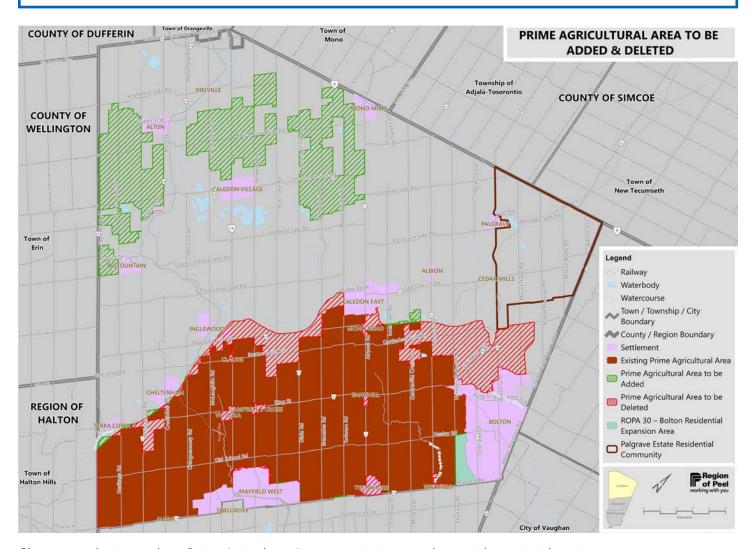
How can I stay involved?

Agriculture & Rural Systems



How are agriculture & rural system policies formed?

Provincial requirements drive policy development for agriculture and rural systems. The Region undertakes a number of technical studies to guide policy development.



Changes are being made to Prime Agriculture Area mapping in accordance with provincial requirements.







Climate Change



What is climate change?

Climate change can be defined as any change in climate over time, due to natural changes or as a result of human activity.

What is the Region doing?

- Increasing intensification and density through mixed-use and transit supportive development
- Reducing greenhouse gas (GHG) emissions and other pollutants through sustainable and active transportation
- Protecting, restoring and enhancing Peel's natural systems and water resources
- Promoting energy efficiency and conservation, including green development standards
- Identifying and protecting Prime Agricultural Lands

Why are climate change policies important?

- Rising GHG emissions and changing weather patterns will have a significant impact on human and natural systems
- Peel Region is expected to be impacted by rising temperatures, more extreme heat days, increased frequency and intensity of storms, and higher risks of flooding
- This will affect existing ecosystems, infrastructure, the built environment, human health, agriculture and the local economy

Regional Official Plan policies will...

- Implement provincial policy direction to reduce GHG emissions and prepare for the impacts of a changing climate
- Recognize that land-use planning can play a significant role in how the Region can mitigate and adapt to climate change
- Incorporate climate change policies into the Regional Official Plan to help develop sustainable, resilient communities



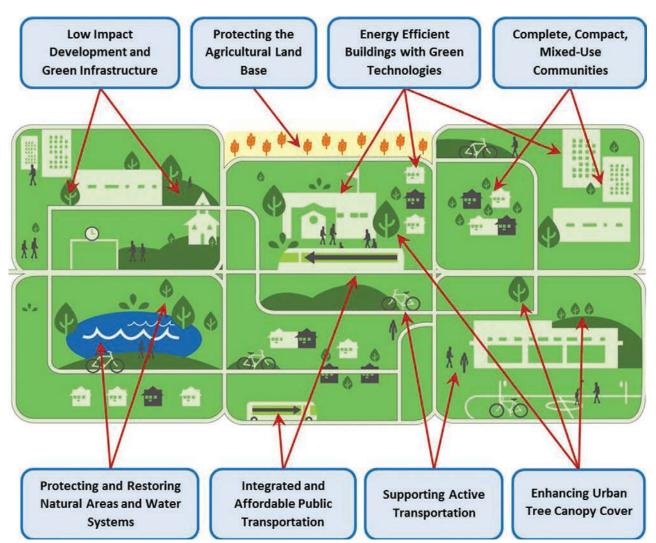
Climate Change



How are climate change policies formed?

Regional studies on municipal risks and Provincial policy requirements related to climate change provide a framework to add or strengthen existing policies in the Regional Official Plan to enhance the Region's ability to address the predicted impacts of climate change.

The integration of key land use planning policies will assist the Region in reducing GHG emissions and achieve a healthy and sustainable community, which are essential to building resilience to the impacts of climate change.





Water Resources



What are water resources?

Water resources are features and areas such as rivers, streams, ponds, wetlands, and lakes. The Credit River, Humber River, Etobicoke Creek and their tributaries form the major watersheds in Peel.

What is the Region doing?

- Identifying and protecting a system of water resource features and areas
- Protecting drinking water sources from incompatible land uses
- Providing direction for integrating watershed planning and growth management
- Requiring stormwater master plans
- Ensuring appropriate studies are undertaken so that ground and surface water quantity and quality is protected, improved or restored

Why are water resource policies important?

- Sustain the Region's social, economic and environmental well-being
- Ensure clean drinking water for residents
- Maintain healthy aquatic and land-based ecosystems
- Protect water resources from the impacts of growth and development

Regional Official Plan policies will...

- Implement the Provincial policy direction by managing growth in a manner which protects and enhances water resources
- Provide direction to the local municipalities to identify, protect and enhance water resources features and areas
- Protect sources of drinking water from land uses that may have negative impacts



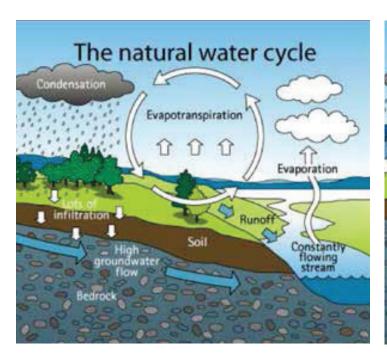
Water Resources

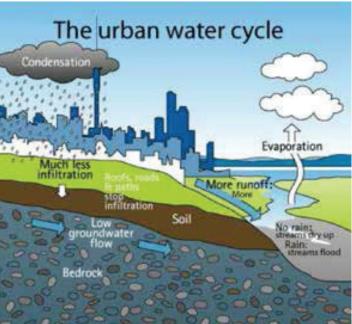


How are water resource policies formed?

Provincial requirements direct the Region's policy development for water resources. Also, the Region undertakes a number of technical studies and consults with stakeholders to guide policy development.

New mapping will be introduced that identifies various features and areas related to water resources in accordance with Provincial requirements.





Resource: The Water Cycle \mid SSWM





Provincial Greenbelt Plans



What are the provincial greenbelt plans?

The Greenbelt Plan, Oak Ridges Moraine Conservation Plan and Niagara Escarpment Plan were introduced to minimize the encroachment of urban development and ensure the protection of the agricultural lands as well as the natural environment surrounding the Greater Golden Horseshoe.

What is the Region doing?

- Supporting agricultural systems planning to strengthening the agricultural sector
- Supporting natural heritage and water resource systems planning
- Integrating infrastructure and land use planning, including stormwater management
- Recognizing the role of the natural environment in mitigating climate change
- Revising and introducing new mapping to reflect updates to the provincial plans

Why are provincial greenbelt plans important?

- The Greater Golden Horseshoe contains some of the most ecologically and hydrologically significant natural environments and scenic landscapes, including the Oak Ridges Moraine and the Niagara Escarpment
- These areas provide Peel and the surrounding area with drinking water, habitat for many species of animals and plants, recreational opportunities, and fertile soil for productive farmland

Regional Official Plan policies will...

- Conform and implement the Provincial policy direction within the three Provincial Greenbelt Plans
- Provide direction to the local municipalities to protect agricultural lands, enhance natural features and areas, preserve cultural heritage and support recreation



Provincial Greenbelt Plans

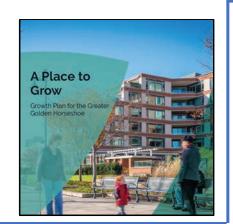


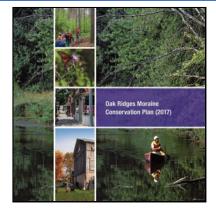
How are provincial greenbelt plan policies formed?

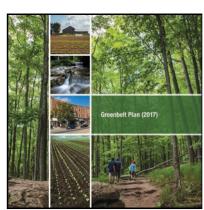
In 2017, all three of the Provincial Greenbelt Plans were updated and are being reviewed to ensure continued Regional Official Plan conformity.

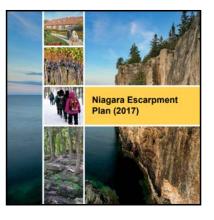
A Place to Grow, together with the Greenbelt Plan, Oak Ridges Moraine Conservation Plan, and the Niagara Escarpment Plan, are Provincial land use plans which provide detailed and geographically-specific policies, including Peel Region, to meet certain objectives, such as managing growth, and protecting agricultural lands and the natural environment.

Changes to Provincial Greenbelt Plans mapping is being updated in accordance with the updated Provincial plans.









Provincial Greenbelt Plans

Provincial Land Use Plans



Wildland Fire



What are wildland fires?

Wildland fires are fires that burn in treed or forested areas. In a natural ecosystem, wildland fires can be a necessary aspect of natural regeneration and ecosystem health. Wildland fire hazards are created when development encroaches in areas containing hazardous forest types for wildland fire.

What is the Region doing?

- Requiring new development to be located, landscaped and designed in a way that prevents or minimizes wildland fires and fire risk
- Reviewing, updating and adding to existing policies that implement environmentally-appropriate mitigation measures for wildland fire hazards
- Introducing policies and mapping to ensure wildland fire mitigation measures are required

Why are wildland fire policies important?

- Wildland fires are a potential cause of harm to humans and property damage
- Land use planning can assist in preventing wildland fire threats
- Land use planning decisions contribute to reducing the loss of life or injury or property damage due to wildland fire

Regional Official Plan policies will...

- Direct the local municipalities to avoid locating development near hazardous forest type or implement mitigation solutions to protect persons and property
- Require the local official plans to provide detailed direction that implements these protective measures
- Propose new mapping that identifies potential locations of hazardous forest types for wildland fire in accordance with Provincial requirements



SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

The following summaries are intended to provide a brief introduction to the more detailed information contained in each of the discussion papers. Discussion papers, draft policies and mapping are included in the background material for each of the focus areas to support draft changes to the Regional Official Plan. This theme of the Regional Official Plan Review emphasises the importance of the Region's environment, significant landscapes, and agricultural resources to ensure they are protected and managed effectively. It also identifies the key draft policies and mapping, where appropriate, that are needed by the Region to attain conformity to Provincial policies and plans including those that have recently come into effect.

The draft policies in this stage of consultation are proposed to ensure the policy framework for the environment and resources in the Regional Official Plan is effective and will contribute to achieving a sustainable, resilient community that is able to respond to the challenges of a changing climate and growing Region.

a) Agricultural and Rural Systems

The Agricultural and Rural System in Peel is important to the Region's economy, its environmental health and sustainability and its quality of life. Agriculture plays a significant role in Peel's economy, in maintaining rural character, and in protecting water resources and ecosystems.

The 2014 Provincial Policy Statement strengthened provincial policy support for agriculture and rural areas. The Provincial Policy Statement was updated with revised definitions and policy that clarified and expanded permissions for agricultural, agriculture-related and on-farm diversified uses. These changes provide greater flexibility for farm business to establish and evolve. The updates to the provincial land use plans in 2017 and 2019 provided additional support, incorporating an Agricultural System approach as the framework for provincial policy recognizing the need to identify and protect agricultural lands as well as support the economic viability of the agricultural sector. In 2018 the province released agricultural land base mapping for the Greater Golden Horseshoe, implementing the Agricultural System approach and identifying prime agricultural areas along with implementation procedures to enable refinement of the agricultural mapping by municipalities.

Through a careful review, staff has refined the provincial prime agricultural area mapping drawing on the Land Evaluation and Area Review (LEAR) study prepared jointly by the Town of Caledon and Region of Peel. This review and the resulting mapping are documented in the staff discussion paper on Agricultural Mapping Refinement. The Agricultural and Rural Systems Discussion Paper reviews the provincial, Regional and municipal policy context and proposes changes to Regional policies and mapping to achieve consistency with provincial policies and conformity with provincial plans. The discussion paper also addresses urban agriculture and conformity with Ontario's Food and Organic Waste Policy Statement (2018). The Urban Agriculture Discussion Paper prepared by Peel Region Public Health examines urban agriculture in greater detail.

Based on this work it is proposed that the official plan be amended to:

Update the policy framework to be consistent with provincial policies;

SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

- Incorporate the agricultural system approach protecting agricultural land and supporting agriculture and the agri-food network;
- Update definitions and permissions for agricultural, agriculture-related and onfarm diversified uses to support the farming sector;
- Include agricultural impact assessment requirements to minimize and mitigate impacts to agricultural operations and lands when non-agricultural uses are proposed adjacent to agricultural areas;
- Update references and clarify policy requirements for minimum distance separation setbacks for livestock facilities;
- Enhance support for urban agriculture and access to healthy and local food; and
- Include policies addressing food and organic waste.

Mapping revisions for the Agricultural and Rural System are proposed to:

- Update the Prime Agricultural Area mapping shown on Schedule B to the Region of Peel Official Plan; and
- Provide direction for the mapping of rural lands in local municipal official plans.

b) Climate Change

The Region is expected to experience hotter drier summers, warmer wetter winters, and more frequent and extreme weather events. These projected changes will impact existing ecosystems, infrastructure, the built environment, human health, agriculture and the local economy. As Peel's population continues to grow, exposure to the risks and vulnerabilities to a changing climate will be intensified.

As a consequence, background on the impacts, risks and vulnerabilities, current legislation, and proposed policy options to mitigate and adapt to a changing climate through land-use planning have been prepared and documented in the Climate Change Discussion Paper, which is available on the Region of Peel's Peel 2041 website. The proposed amendments to the Official Plan include:

- Adding a new climate change section that provides direction for collaborative climate change planning to reduce greenhouse gas emissions, reduce vulnerability, and increase resilience to adapt the Region to a changing climate.
- Embedding climate change policies throughout the Regional Official Plan in the theme areas of growth management, transportation, energy, waste, urban heat island, water resources, natural hazards, natural heritage and agriculture.
- Providing direction for local municipalities to develop model policies and guidance to implement sustainability requirements through local official plan policies and tools.

The Council approved Region of Peel Climate Change Master Plan (CCMP) sets out a number of actions and activities to achieve five climate change outcomes over the next decade (2020 – 2030), including reduced corporate greenhouse gas emissions and becoming more prepared for extreme weather and rising temperatures. The adoption and implementation of land use policies by municipalities, enabling climate resilience, is one of the key actions in the CCMP. The Region has been working in collaboration with local municipal staff to develop the draft

SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

policies for the Regional Official Plan to address climate change and will continue to engage staff, stakeholders and the public on the draft policies as the process moves forward. The Peel Climate Change Partnership, with Secretariat support from the Region's Office of Climate Change and Energy Management, can be leveraged to increase the coordination of policy review.

c) Provincial Greenbelt Plans

The Greater Golden Horseshoe contains many of Canada's most ecologically and hydrologically significant natural environments and scenic landscapes, including the Oak Ridges Moraine and the Niagara Escarpment, which provide drinking water, habitat for many species of animals and plants, recreational opportunities, and fertile soil for productive farmland.

The Greenbelt Plan, Oak Ridges Moraine Conservation Plan and Niagara Escarpment Plan were introduced to minimize the encroachment of urban development and ensure the protection of the agricultural land base, as well as the significant landscapes, ecological and hydrological features and functions within the Greater Golden Horseshoe.

In 2017, all three of the provincial Greenbelt plans were updated and Regional staff have reviewed and proposed policy options to ensure conformity outlined in three discussion papers. The Region of Peel is proposing to amend the Official Plan, in order to:

- i) Greenbelt Plan
- Support agricultural systems planning including the recognition of the agricultural land base and agri-food network to strengthen the agricultural sector;
- Clarify permissions for agricultural, agriculture-related and on-farm diversified uses;
- Support natural heritage and water resource systems planning;
- Align policies related to Settlement Areas and Infrastructure with the Growth Plan; and
- Introduce the Urban River Valley (URV) designation and policies along with mapping and the revised boundary for the Greenbelt Plan Area to include the URV designation.
 - ii) Oak Ridges Moraine Conservation Plan
- Recognize the role of the Oak Ridges Moraine in mitigating climate change;
- Support agricultural systems planning, including providing more flexibility and permitting a broader range of agriculture and on-farm diversified uses;
- Integrate infrastructure and land use planning, including stormwater management; and,
- Provide direction to incorporate the management of excess soil and fill.
 - iii) Niagara Escarpment Plan
- Update existing policies to include policy direction related to environmental protection, development, and promotion of tourism and recreation within the Escarpment area; and,
- Recognize the Niagara Escarpment Parks and Open Space System; and
- Insert mapping of the Niagara Escarpment Plan land use designations in the Regional Official Plan.

SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

The following mapping revisions in the Regional Official Plan are proposed to conform to the Provincial Greenbelt plans:

Greenbelt Plan

• Revisions to Schedule D3 Greenbelt Plan Area Land Use Designations to identify new Urban River Valley designations and update the Greenbelt Area boundary.

Oak Ridge Moraine Conservation Plan

- Revisions to Figure 13 to update the identification of wellhead protection area mapping in accordance with the Clean Water Act and approved Drinking Water Source Protection Plans; and
- Minor housekeeping revisions to the following schedules and figures to update mapping with a new format:
 - Schedule D1 Oak Ridges Moraine Conservation Plan Area Land Use Designations
 - Schedule D2 Vulnerability Areas in Peel for the Oak Ridges Moraine Conservation Plan Area
 - Figure 12 Landform Conservation Areas in Peel for the Oak Ridges Moraine Conservation Plan Area
 - o Figure 14 Oak Ridges Moraine Conservation Plan Area Partial Service Areas

Niagara Escarpment Plan

• Adding a new Schedule to the Regional Official Plan to identify the Niagara Escarpment Plan Area Land Use Designations.

d) Water Resources

Water resources in Peel are comprised of interrelated systems, features and areas such as aquifers, groundwater recharge and discharge areas, rivers, streams, ponds, wetlands, lakes, and stormwater. Groundwater and surface water are important regional resources that supply drinking water and play a vital role in maintaining a healthy natural environment. The Region recognizes the need to protect its water resources through a policy framework that integrates growth management planning with natural resources management.

In addition to the revised PPS and Growth Plan, there are a number of complementary provincial regulatory and policy requirements that are relevant to the review of water resources policies in the Regional Official Plan including the Great Lakes Protection Act and Plan, Ontario Water Resources Act (water quality and quantity control), Lake Simcoe Protection Act and Plan, and the Clean Water Act (Source Protection Plans).

As a result of this background research and initial consultations, revisions to the Regional Official Plan are proposed in order to:

- Update the existing official plan policy framework to be consistent with provincial policies and current best practices;
- Include policies that reflect a systems approach to managing water resources;

SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

- Update policies for watershed and sub-watershed planning;
- · Add new policies for stormwater planning and management;
- Add new policies to protect drinking water sources in accordance with the Clean Water Act and approved Drinking Water Source Protection Plans;
- Add new policies to protect Lake Simcoe to conform with the Lake Simcoe Protection Plan;
- Add new official plan schedules that identify a water resource system, source water protection vulnerable areas and the Lake Simcoe Watershed Boundary in order to support the policies; and
- Provide direction to the local municipalities and conservation authorities in order to ensure the policies are integrated into local official plans and are implemented.

The following mapping revisions are proposed to:

- Identify water resource system features and areas on a new schedule (wetlands, watercourses and waterbodies);
- Identify drinking water source protection plan area boundaries on a new schedule to identify where applicable source protection plan policies apply;
- Identify vulnerable source protection areas on a new schedule including new and revised mapping of wellhead protection areas, issue contributing areas, intake protection zones, highly vulnerable aquifers and significant groundwater recharge areas in accordance with the Clean Water Act and approved Drinking Water Source Protection Plans;
- Identify the Lake Simcoe Protection Act Watershed Boundary on a new schedule; and
- Revise Figure 2 Selected Areas of Provincial Interest to identify the Greenbelt Area boundary, Greenbelt Plan Protected Countryside, Niagara Escarpment Plan Area boundary, Oak Ridges Moraine Plan Area boundary, new Urban River Valley designations and the Lake Simcoe Protection Act Watershed Boundary.

e) Wildland Fire

Wildland fires are fires that burn in treed or forested areas. In a natural ecosystem, wildland fire can be a necessary aspect of natural regeneration and ecosystem health. However, in proximity to development, wildland fire has the potential to cause property damage and impact public health and safety of individuals and communities.

The Province, through the Provincial Policy Statement, 2014 requires that development be generally directed outside of lands that are at risk of wildland fires due to the presence of hazardous forest types.

Regional staff has completed an assessment of the applicability of wildland fire hazard policy in accordance with provincial guidelines to confirm the applicability of wildland fire hazard policies in Peel. The assessment and policy options are outlined in the wildland fire discussion paper.

The proposed draft amendments provide policy direction to:

SUMMARIES OF THE PEEL 2041 ENVIRONMENT THEME FOCUS AREAS

- Include policies that recognize wildland fire hazards as risks to public health and safety and as hazards that should be avoided;
- Identify where hazardous forest types for wildland fire may be located, based on a municipal-led "broad-level" assessment;
- Provide policy direction to ensure that site-level risk assessment and environmentally appropriate mitigation measures are conducted and implemented by proponents of development through the development application process; and
- Include a new figure identifying where wildland forest fire hazards are located in Peel based on mapping of hazardous forest types and local data.

LIST OF DISCUSSION PAPERS, TECHNICAL STUDIES & PROPOSED SCHEDULE AND FIGURE MAPPING

All documents below are available on https://www.peelregion.ca/officialplan/review/

December 12, 2019 Tracked Changes Office Consolidation

Agricultural and Rural Systems

Discussion Papers

- Agricultural and Rural Systems
- Urban Agriculture

Technical Studies

- Region of Peel. (2019c). Agricultural Mapping Refinement.
- MacNaughton, Hermsen, Britton, Clarkson Planning Limited (MHBC). (2016). Land Evaluation & Area Review Technical Study. Prepared for the Region of Peel & Town of Caledon
- MacNaughton, Hermsen, Britton, Clarkson Planning Limited (MHBC). (2015). Edge Planning Report: A Review of Implemented Practices to Address Planning on the Urban-Rural Fringe.
 Prepared for the Region of Peel & Town of Caledon.
- MacNaughton, Hermsen, Britton, Clarkson Planning Limited (MHBC). (2014). Review of Minimum Distance Separation Formulae and Implementation Guidelines. Prepared for the Region of Peel & Town of Caledon.

Schedules & Figures

• Draft Schedule X12 Prime Agricultural Area – Formerly Schedule B

Climate Change

Discussion Paper

Climate Change

Technical Studies

- Region of Peel (2019) Climate Change Master Plan
- Auld, H., Switzman, H., Comer, N., Eng, S., and Milner, G (2016) *Climate Trends and Future Projections in the Region of Peel*. Ontario Climate Consortium
- Region of Peel. (2014). 2006 Community Greenhouse Gas and Criteria Air Contaminant Inventory
- Tu, C., Milner, G., Lawrie, D., Shrestha, N., Hazen, S. (2017). *Natural Systems Vulnerability to Climate Change in Peel Region*. Technical Report. Toronto, Ontario: Toronto and Region Conservation Authority and Ontario Climate Consortium Secretariat.
- Harris, S., Hazen, S., Fausto, E., Zhang, J., Kundurpi, A., Saunders-Hastings, P. (2016) *Climate Change Effects on Agricultural Production in the Region of Peel*. Toronto, Ontario: Toronto and Region Conservation Authority and Ontario Climate Consortium Secretariat.

LIST OF DISCUSSION PAPERS, TECHNICAL STUDIES & PROPOSED SCHEDULE AND FIGURE MAPPING

Provincial Greenbelt Plans

Discussion Papers

- Greenbelt Plan (2017)
- Niagara Escarpment Plan (2017)
- Oak Ridges Moraine Conservation Plan (2017)

Schedules & Figures

- Draft Schedule X9 Oak Ridges Moraine Conservation Plan Area (ORMCPA) Land Use
 Designations Formerly Schedule D1
- Draft Schedule X10 Aquifer Vulnerability Area in Peel for the Oak Ridges Moraine Conservation Plan Area (ORMCPA) – Formerly Schedule D2
- Draft Schedule X11 Greenbelt Plan Area Land Use Designations Formerly Schedule D3
- Draft Figure X1 Selected Areas of Provincial Interest Formerly Figure 2
- Draft Figure X2 Landform Conservation Areas in Peel for the Oak Ridges Moraine Conservation Plan Area (ORMCPA) – Formerly Figure 12
- Draft Figure X3 Wellhead Protection Areas in Peel for the Oak Ridges Moraine Conservation Plan Area (ORMCPA) – Formerly Figure 13
- Draft Figure X4 Oak Ridges Moraine Conservation Plan Area (ORMCPA) Partial Service Areas
 Formerly Figure 14
- New Draft Schedule X8 Niagara Escarpment Plan Area (NEP) Land Use Designations

Water Resources

Discussion Papers

- Water Resources Discussion Paper 1 Roles and Responsibility
- Water Resources Discussion Paper 2 Policy Options
- Water Resources Discussion Paper 3 Source Protection Plan Implementation

Technical Studies

- Credit Valley-Toronto and Region-Central Lake Ontario Region (CTC) (2015) Source Water Protection Assessment Report
- South Georgian Bay Lake Simcoe Region (2015) Source Water Protection Assessment Report
- Halton-Hamilton Source Protection Region (2015) *Source Water Protection Assessment Report*

Schedules & Figures

- New Draft Schedule X1 Water Resources System Features and Areas in Peel
- New Draft Schedule X2 Source Protection Plan Areas in Peel
- New Draft Schedule X3 Wellhead Protection Areas in Caledon
- New Draft Schedule X4 Intake Protection Zones
- New Draft Schedule X5 Highly Vulnerable Aquifers
- New Draft Schedule X6 Significant Groundwater Recharge Areas
- New Draft Schedule X7 Lake Simcoe Protection Act Watershed Boundary

LIST OF DISCUSSION PAPERS, TECHNICAL STUDIES & PROPOSED SCHEDULE AND FIGURE MAPPING

Wildland Fire

Discussion Paper

• Wildland Fire

Schedules & Figures

• New Draft Figure X5 Potential Locations of Hazardous Forest Types for Wildland Fire