

Envision Durham, 2041

Our Region. Our Plan. Our Future.

The Municipal Comprehensive Review of the Durham Regional Official Plan

What is Envision Durham?

- Municipal Comprehensive Review (MCR)
- Establishing a progressive, forward-looking planning vision for the Region to 2041 – including imbedding climate change considerations
- Significant Provincial policy initiatives have happened since the last MCR
- Planning Act requires that the Region undertake a Provincial
 Plan conformity exercise



What will Envision Durham accomplish?

- Address a variety of strategic Regional land use planning and development matters, under the following themes:
 - Growth Management;
 - Housing;
 - Agricultural/Rural System;
 - Environment/Greenlands System;
 - Climate Change/Healthy Neighbourhoods; and
 - Transportation System.
- Climate change considerations are important under each theme





Environment/Greenlands System

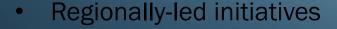
- Incorporate the new Growth Plan NHS additions
- Updates to the Greenbelt Plan NHS, including:
 - Minor Greenbelt boundary adjustments
 - Addition of Urban River Valleys
- Review the Water Resource System mapping
- Watershed Planning





Climate Change/Healthy Neighbourhoods

- Provincial Climate Change Action Plan
- Provincial Plans requirements
- Provincial Guidance
 - Community emissions reduction planning
 - Low impact development
 - Green infrastructure







Climate Change/Healthy Neighbourhoods

- Discussion Paper is currently in development
 - 1. Communicate why climate change is an important consideration for land use planning in Durham Region.
 - 2. Seek stakeholder input on how to best implement provincial requirements.
 - 3. Seek stakeholder input on land use policy directions proposed in various Regional initiatives.





Envision Durham Process/Next Steps

- Complete Project Terms of Reference
- Consultant Engagement
- Project Initiation and Outreach
- Discussion Papers and Stakeholder Consultation
- Draft Policies
- Public Agency Review, Response and Policy Refinement
- Official Plan Adoption
- Ministry Approval





Slides for CAC Official Plan Workshop Presentation

Kelly's Comments

My era: "You can't put that on Television!"

My era: "You can't put that on Television!" Modern version: "You can't put that in an OP!"

- Encouragement of PV production on buildings and ground mounted
- Solar Orientation of buildings to optimize PV production
- Street orientation to optimize PV production
- Reduction of Urban Heat Islands
- Reflective roofs and vegetated flat roofs
- New House Resilience Standards (see ICLR report)
- Net Zero energy new buildings
- District energy systems
- New storm water management techniques
- Storm water management Fees
- Urban tree canopy targets
- Urban tree protection programs
- Local Improvement Charge programs for building retrofit
- Electric Vehicle Targets
- Renewable Natural Gas production
- · Wind power generation onshore and off shore
- Smart city measures

- Design of all future infrastructure to meet projected climate conditions
- Differential Development Charges to encourage density and infill
- Green infrastructure in all new developments
- Transit friendly community design
- Reflective pavement and surfaces
- Encouragement of ride sharing
- Electric vehicle programs
- Encouragement of autonomous vehicles
- Broadband and telecom for smart communities
- Energy self-sufficiency for Durham
- Electric powered public transit
- Light rail public transit across all lakeshore communities
- Endorsement of the Durham Community Energy Plan
- Endorsement of the Durham Community Climate Adaptation Plan
- · etc. etc. etc.

The Other Side of Complexity – Lessons for OP Writers

- We have changed the chemistry of our atmosphere.
- We are cooking the Earth.
- We must work on mitigation and adaptation at the same time.
- We are now experiencing the early symptoms.
- Things will get worse. We are locked into major changes and very serious consequences.
- This is not BAU. These are extraordinary times that call for extraordinary measures. Tinkering is not useful. Speed and scale are essential.
- OPAU is not acceptable.

My Message

- Be expansive
- Be detailed
- Endorse and cite other policies/programs
- Be creative
- Be aggressive
- Be ambitious
- Be the solution
- This is a once-in-a-career opportunity

Questions