



Transformation Toronto 2050

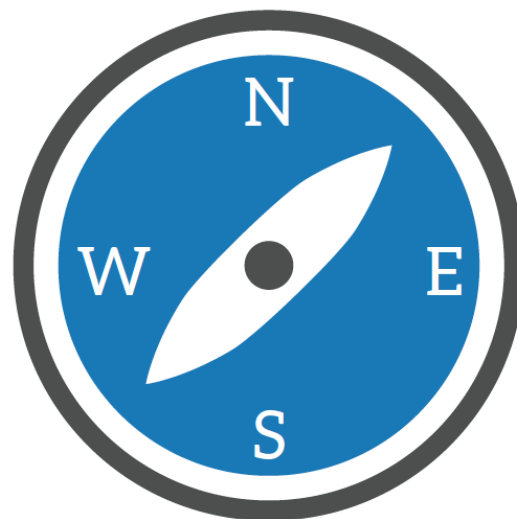
Long-Term Planning for a Healthy, Prosperous, Carbon-Neutral City

February 27, 2015

A new long-term planning project responding to TAF's new strategic directions, being co-developed with City of Toronto Environment and Energy Division



Determining how to reduce Toronto's GHG emissions 80 percent by 2050 and maximize public benefits.



Create new ways of working collaboratively among City divisions and with the broader community, to leverage our collective skills and resources to solve complex problems.



Excellence in data analysis,
transformative scenario planning,
data visualization to build the best
possible information for our decision
makers and our community.



- Create and advance a **2020 action plan** to achieve Toronto's 30% GHG reduction target.
- Develop an **integrated 2050 strategy** to achieve Toronto's 80% GHG reduction target while generating multiple benefits for Torontonians.
- Convene a **multi-sectoral support team** including City divisions and agencies, community stakeholders and national and international advisors to advance the 2050 strategy.

- **22% reduction** as of 2012 – Kyoto target exceeded
– Ontario coal phase-out a major contributor
- **30% reduction** by 2020 – next 8% will be driven by improved energy performance in buildings
- **80% reduction** by 2050 – interim milestones for 2030 and 2040 as part of an overall 2050 strategy

- Cities are increasingly viewed as critical to national and international climate strategy
- A growing number of global cities are advancing 80x50 targets and are joining together to create effective strategies

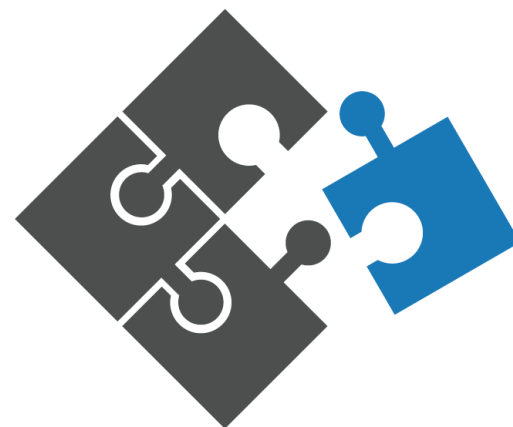


- All **new buildings net-zero** or energy positive
- **Modal shift** to public and active transportation
- **Offset fossil fuel** use with electricity
- **Modernized electric utility** infrastructure, governance and finance
- **Deep retrofits** to virtually all existing buildings
- **Zero waste** through waste reduction and diversion

- Re-direct **\$8.2B annual energy spending** to local economy
- **Reduce obesity and inactivity-related diseases** and save on growing public health costs
- Create **better commuting experience** and reduce business productivity losses
- Enhance **local employment**
- Increased **business competitiveness** via social and technological innovation

- Initiated by TAF and EED
- Building multi-sectoral support for deep carbon reduction action
- Long-term scenario modelling of GHG to 2050
- Rigorous assessment of public health, mobility and local economic development opportunities by qualified partners
- Robust data analysis and visualization to assist decision-makers in understanding key opportunities and synergies

- Implement **Smart Urban Growth** Strategies
- Develop a **Long-term Transportation Plan** and Policies
- **Increase Employment** Opportunities
- Support **Environmental Sustainability**
- Develop a Long-Term **Solid Waste Management** Strategy
- Enhance the City's **Quality of Life**
- **Open Government** By Design
- **State of Good Repair** for Infrastructure
- **Engage** the Public



Adopting Best Practices in Project Design

- Systems Thinking
- Foresighting
- Transformative Scenario Analysis
- Unholy Alliances – Collective Impact
- Co-Creating – Integrating Community Needs
- Open Data – Leveraging Community Skills

1. TAF-EED project development (As of December 2014)
2. Agency and Division outreach (March 2015)
3. Community Stakeholder outreach (March, April 2015)
4. Fundraising – TAF, Private Foundations, Partners for Places, Federation of Canadian Municipalities (As of December 2014)
5. Concept for City Council Approval (June 2015)

Questions, Comments, Advice as TAF and EED continue to develop this initiative?

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