

SUMMARIZED BY CarbonFreeTO

TransformTO Short-term Strategies

Financial Estimates January 9, 2017 To: Budget Committee

Questions can be asked of Transform TO staff:

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In 2007, Toronto City Council made the commitment to work towards reducing Toronto's greenhouse gas emissions by 80% against 1990 levels by the year 2050. Research and analysis completed to date, as part of the TransformTO initiative, has projected that Toronto is on track to meet its interim target of a 30% reduction by 2020. While this a significant achievement, **TransformTO has identified that Toronto is not on the path to achieving its long-term goal for 2050. We need to significantly accelerate and enhance efforts to reduce greenhouse gas emissions, if Toronto is to achieve its carbon reduction goal by 2050.**

The strategies presented in TransformTO Report #1 (PE15.1) could accelerate Toronto's efforts to reduce greenhouse gas emissions by 2020, and help ensure Toronto gets closer to the trajectory needed to achieve the goal for 2050. The strategies were developed in collaboration with program managers cross-corporately. The estimated costs and GHG reduction potential for each strategy have also been calculated in collaboration with the relevant City Divisions and Agencies. A set of long- term strategies will be presented to City Council in May 2017 in TransformTO – Report #2 that will identify the needed transformational changes to Toronto's core urban systems by 2050.

Toronto's greenhouse gas reduction goal is community-wide, meaning only through action and investment by all segments of society will Toronto see significant reductions in carbon emissions. The strategies presented in the first report of the TransformTO initiative, acknowledge this principle and seek to expand and enhance strategies that facilitate and leverage investments by other orders of Government, the private sector, residents and the broader public sector. Therefore the financial resources outlined represent the total resources needed to come from all potential sources, not solely the financial resources of the City.

The recommended strategies outlined by TransformTO build upon existing City Council approved directives, policies and programs. **By expanding and enhancing these efforts, Toronto could accelerate the rate of greenhouse gas reductions being achieved.**

PROGRAMS THAT REMAIN UNFUNDED CAN HELP MEET CARBON REDUCTION GOALS

There are 8 programs that remain unfunded which are ready to go in 2017:

In order of priority they are:

- 1.4 improve fleet fuel efficiency, \$60,000
- 1.5 support for residential property owners, \$210,000
- 2.3 advance low carbon/renewable thermal energy networks \$70,000
- 2.2 advance community energy planning, \$110,000
- 2.1 advance leading-edge new construction standard \$70,000
- 5.2 use building energy disclosure as an engagement tool, \$70,000
- 5.1 Community Engagement, \$340,000
- 5.3 Leverage Live Green Toronto, \$170,000

The CarbonFreeTO campaign highlights the following points:

1. Why would we go just 20% of the way for climate action this year. We can do better than that! **Investments we make now mean MORE carbon reduced at LESS cost** than if we wait – it just gets more expensive and more challenging to do – so we need to start. **The funds allocated by Council are a small part of what’s required; these funds are used to LEVERAGE investment from other levels of government, private sector, and the public.**
2. **TRANSFORMTO INVESTMENT CREATES JOBS – for example strategy 1.5 for retrofitting residential buildings will create jobs which could be targeted to youth**
3. City Council has found \$1.3 million to fund childcare spaces; now let's find \$1.1 million (plus 330,000 already funded) to keep the world healthy for when today’s children are adults. They will need to have a livable city in 2040, not one with high temperatures and extreme storms.
4. The cost is the equivalent of a cup of tea per household – for the whole year! The costs of climate inaction are enormous, as much as \$3 billion in insurance claims in one year, 2013.
5. So far City Council plans to commit just 33 cents per household on climate action. It’s a start! But does that sound like enough for the biggest threat to the future livability of our planet?

TORONTO CAN BE A CLIMATE LEADER! FULLY FUND TRANSFORMTO PROGRAMS

Table 1: TransformTO Short-term Strategy
Preliminary Estimate of Capital and Operating Requirements

TransformTO Short-term Strategy		Preliminary Operating Estimate 2017		BENEFITS	FUNDING STATUS
		Total Expenditure (\$000)	Staffing (# FTEs)		
1.2	Innovative financing mechanisms	\$60	1.0	Maximize access to provincial and federal lo-carbon funding	FUNDED
4.4	Improve fleet fuel efficiency	\$60	2.0	Ensure effective and efficient utilization of available green technologies	UNFUNDED
4.5	Promote Smart Commute for Toronto Public Service	\$40	1.0	Promote more sustainable commuting modes for city staff; City position as a leader in Smart Commute workplace and model for other employers	FUNDED

1.1	Enhance the Better Buildings Partnership	\$350	6.0	Retrofit up to 50 million square feet of commercial and institutional buildings by 2020	FUNDED For \$230
1.5	Continue support for residential property owners	\$210	2.0	Retrofit residential buildings at scaled up rate of up to 5,000 homes and 10 buildings per year by 2020 JOBS CO-BENEFIT	UNFUNDED
2.3	Advance low-carbon/renewable thermal energy networks	\$70	2.0	Reduce emissions from district energy systems. Displace natural gas use. USE OF PROVINCIAL CAP AND TRADE PROCEEDS	UNFUNDED
2.2	Advance community energy planning	\$110	4.0	Ensure that new development has the lowest energy use intensity; showcasing of leading net-zero designs	UNFUNDED
2.1	Advance leading-edge new construction standard	\$70	2.0	Integration into Toronto Green Standard more progressive energy efficiency requirements. Will displace natural gas use in new developments	UNFUNDED
5.2	Use building energy disclosure as an engagement tool	\$70	1.0	Use of energy performance benchmarks to drive energy savings among building owners. Co-benefit: use of matching funds through Toronto Atmospheric Fund – City investment required	UNFUNDED
5.1	Continue TransformTO Community Engagement	\$340	2.0	Large scale mobilization of Toronto residents toward low-carbon futures and engagement of under-represented communities in climate action	UNFUNDED
5.3	Leverage Live Green Toronto	\$170	1.0	Promote neighbourhood based low carbon projects and deep energy retrofits	UNFUNDED
Subtotal		\$1,550	24		

Excerpts from: <http://www.toronto.ca/legdocs/mmis/2017/bu/bgrd/backgroundfile-100376.pdf>

PLEASE NOTE THE COST TO FULLY FUND THE UNFUNDED 8 PROGRAMS IS \$1.1 MILLION.

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