

Agenda

Advisory Committee on the Environment

2nd Meeting of the Advisory Committee on the Environment

March 2, 2022, 12:15 PM

Advisory Committee Virtual Meeting - during the COVID-19 Emergency

Please check the City website for current details of COVID-19 service impacts.

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| | Pages |
|--|-------|
| 1. Call to Order | |
| 1.1. Disclosures of Pecuniary Interest | |
| 2. Scheduled Items | |
| 2.1. 12:15 PM J. Stanford, Director, Climate Change, Environment and Waste Management and M. Fabro, Manager, Climate Change Planning - Draft Climate Emergency Action Plan | 2 |
| 3. Consent | |
| 3.1. 1st Report of the Advisory Committee on the Environment | 23 |
| 4. Sub-Committees and Working Groups | |
| 5. Items for Discussion | |
| 5.1. Request for a Preliminary Business Case for RNG Project Development at the W12A Landfill Site - B. Vogel | 24 |
| 6. Adjournment | |

London's Draft Climate Emergency Action Plan (CEAP)

**Overview Prepared for:
Advisory Committee on the Environment**

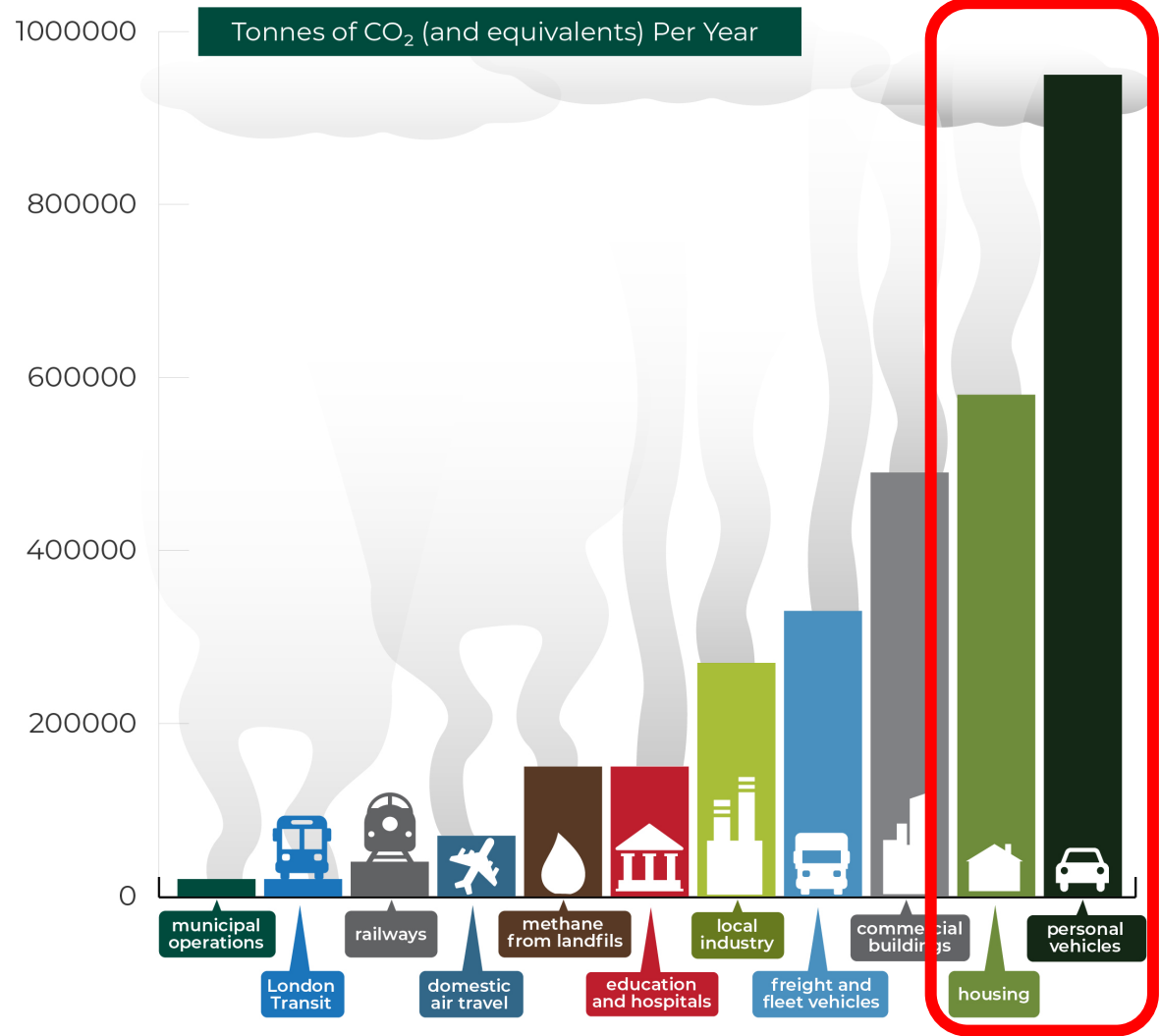
Meeting on March 2, 2022



#LdnOnt
ClimateAction

Community Emissions (2019)

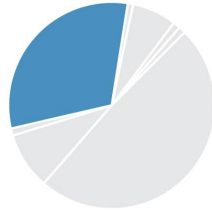
3.0 million
tonnes
CO₂e in
2019



Average Household Emissions



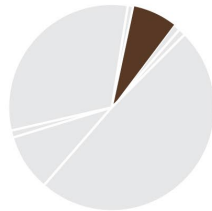
Vehicle Gasoline
49%



Natural Gas
Home Heating
31%



Natural Gas
Water Heating
9%



Methane From
Food & Organic
Waste in Garbage
7%



Propane BBQs etc.
1%



Electricity
Furnace & Air Conditioner
1%



Electricity
Appliances & Electronics
1%



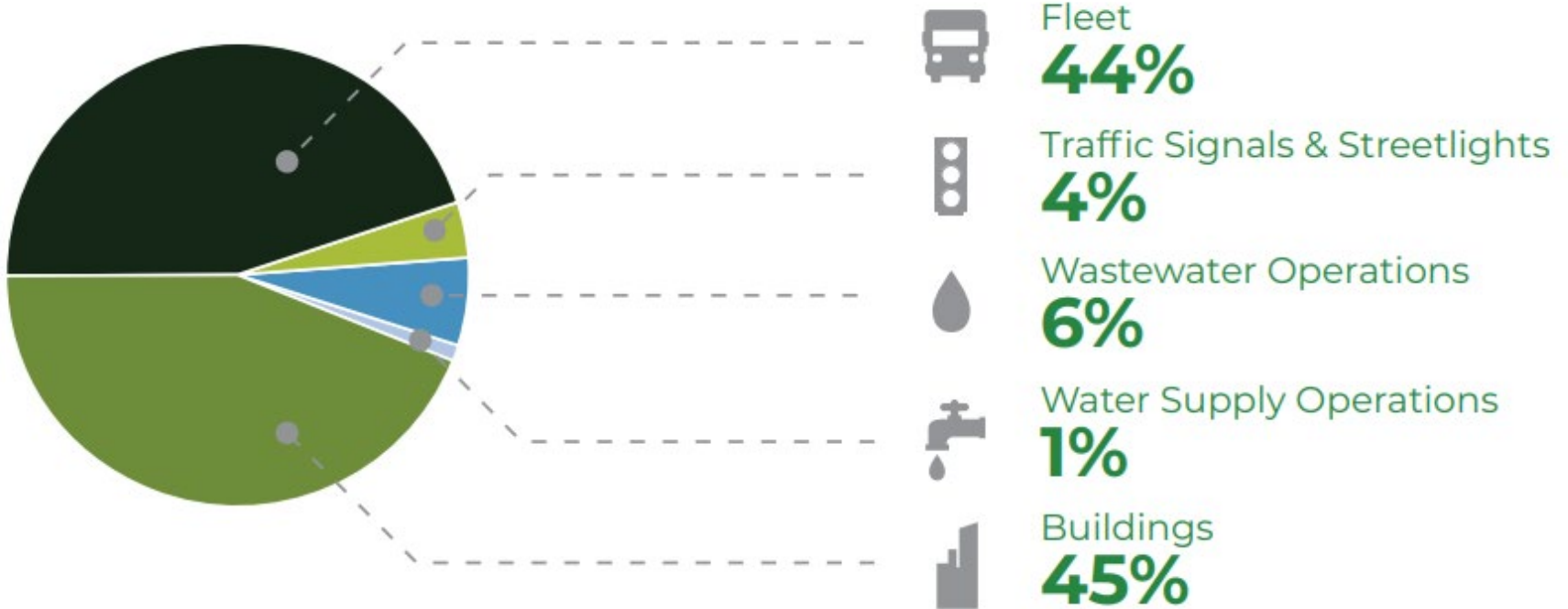
Electricity
Lighting
<1%

2019 data
(pre Covid-19)

The average home in
London emits
10.5
tonnes per year.



Corporate Emissions (2019)



18,600 tonnes CO₂e in 2019



Key Reporting Actions to Date

- 2019 - Climate Emergency declaration and report
- Jan. 2020 - launch of community engagement
- Oct. 2020 - release of Discussion Primer
- Dec. 2020 to Apr. 2021 - use of climate action simulator
- 2020/2021 - development of climate lens (ongoing)
- Aug. 2021 - submit several climate change reports to Civic Works Committee
- Feb. 2022 – submit draft Climate Emergency Action Plan to Strategic Priorities & Policy Committee and recommend a community input process followed by Public Participation Meeting



Action is Ongoing - Some Recent Investments that Address Climate Change

| Investment Category | Budgets |
|---|---------------|
| Community and household action (e.g., CEAP - annual) | \$160,000 |
| Transportation and mobility (e.g., capital for rapid transit, e-buses, active transportation) | \$345,000,000 |
| Waste management/circular economy (e.g., 60% Waste Diversion Action Plan including Green Bin - annual) | \$6,500,000 |
| City-owned buildings, utilities and fleet (e.g., capital for waste heat recovery, compressed natural gas packers, community housing, e-bikes) | \$40,000,000 |
| Infrastructure adaptation (e.g., West London Dykes) | \$14,000,000 |

Over \$400 million invested in the last three years



CEAP Engagement (2020 to Sept. 2021)

Engagement Participation

- 2,700 individual direct submissions
- Some individuals and groups have not yet been adequately reached

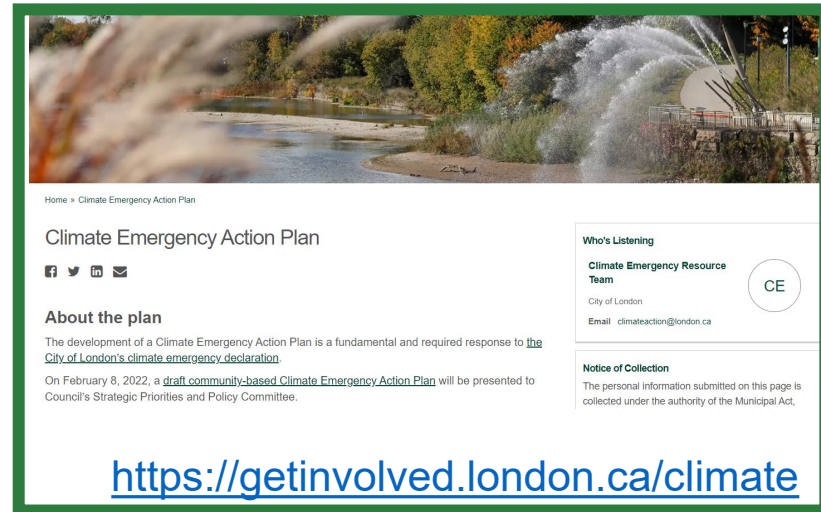
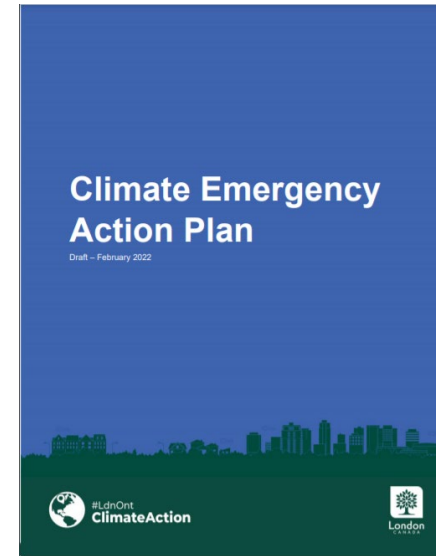
Broader Engagement Reach

- Over 19,000 views/impressions (GetInvolved and eDemocracy site visits)
- Over 7,000 attendees or online views of City/Library/London environmental Network events



CEAP – What does it look like?

- SPPC report (policy and approval process document including 17 foundational actions in Appendix B)
- Draft CEAP which includes 10 Areas of Focus and workplans
- 13 Background (Supporting) Documents
- Key Questions and Answers document

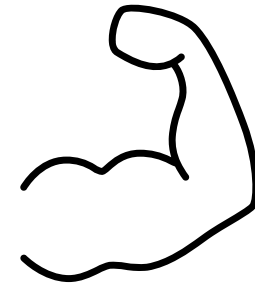


CEAP Goals

**1. Net Zero Emissions
by 2050**



2. Improved Resilience



3. Bring Everyone Along



Proposed Science-based Milestone Targets (Community and Corporate)

| Target Applied to: | Progress at the End of 2020 (reduction from baseline year) | Existing Approved Targets (reduction from baseline year) | Proposed Milestone Targets (reduction from baseline year) |
|---|--|--|---|
| Community (2005 baseline year) | 30% | 43% by 2030 | 55% by 2030 |
| | | | 65% by 2035 75% by 2040 |
| | | Net-Zero by 2050 | Net-Zero by 2050 |
| Corporate (2007 baseline year) | 61% | 60% by 2023 | 65% by 2030 |
| | | | 75% by 2035 90% by 2040 |
| | | Net-Zero by 2050 or sooner | Net-Zero by 2045 |

For 2030, this would require a city-wide reduction in annual emissions of about 1 million tonnes from 2020 or 1.25 million tonnes from pre-pandemic levels.



Expected Results with 2030 Milestone Outcomes

| | |
|---|---|
| <ul style="list-style-type: none">• Walkable, Complete Neighbourhoods | <ul style="list-style-type: none">• More Resilient Buildings and Infrastructure |
| <ul style="list-style-type: none">• Increased Active Transportation and Transit | <ul style="list-style-type: none">• More Carbon Capture |
| <ul style="list-style-type: none">• More Zero Emission Vehicles | <ul style="list-style-type: none">• Move Towards a Circular Economy |
| <ul style="list-style-type: none">• More Net-zero Buildings | <ul style="list-style-type: none">• Increased Community Resilience |
| <ul style="list-style-type: none">• Lower Carbon Construction | <ul style="list-style-type: none">• Increased Engagement on Climate Action |



Areas of Focus and Workplans

1. Engaging, Inspiring and Learning from People
2. Taking Action Now (Household Actions)
3. Transforming Buildings and Development
4. Transforming Transportation and Mobility
5. Transforming Consumption and Waste as Part of the Circular Economy



Areas of Focus and Workplans

6. Implementing Natural and Engineered Climate Solutions and Carbon Capture
7. Demonstrating Leadership in Municipal Processes and Collaborations
8. Adapting and Making London More Resilient
9. Advancing Knowledge, Research and Innovation
10. Measuring, Monitoring and Providing Feedback



Threaded Through Workplans

1. Community Engagement

- Need to be broader, deeper and more reflective of London

2. The Strength of Alignment

- Moving in the similar/same direction
- Multiple actions by many, at the same time
- Reduces duplication



Threaded Through Workplans

3. Business and Economic Opportunities; Research and Innovation

- Focus on people - local job creation
- Shifting and/or new business models
- Emerging and new technologies and solutions
- Working with academia on a focused plan for research, testing and action (living laboratory concept)



Threaded Through Workplans

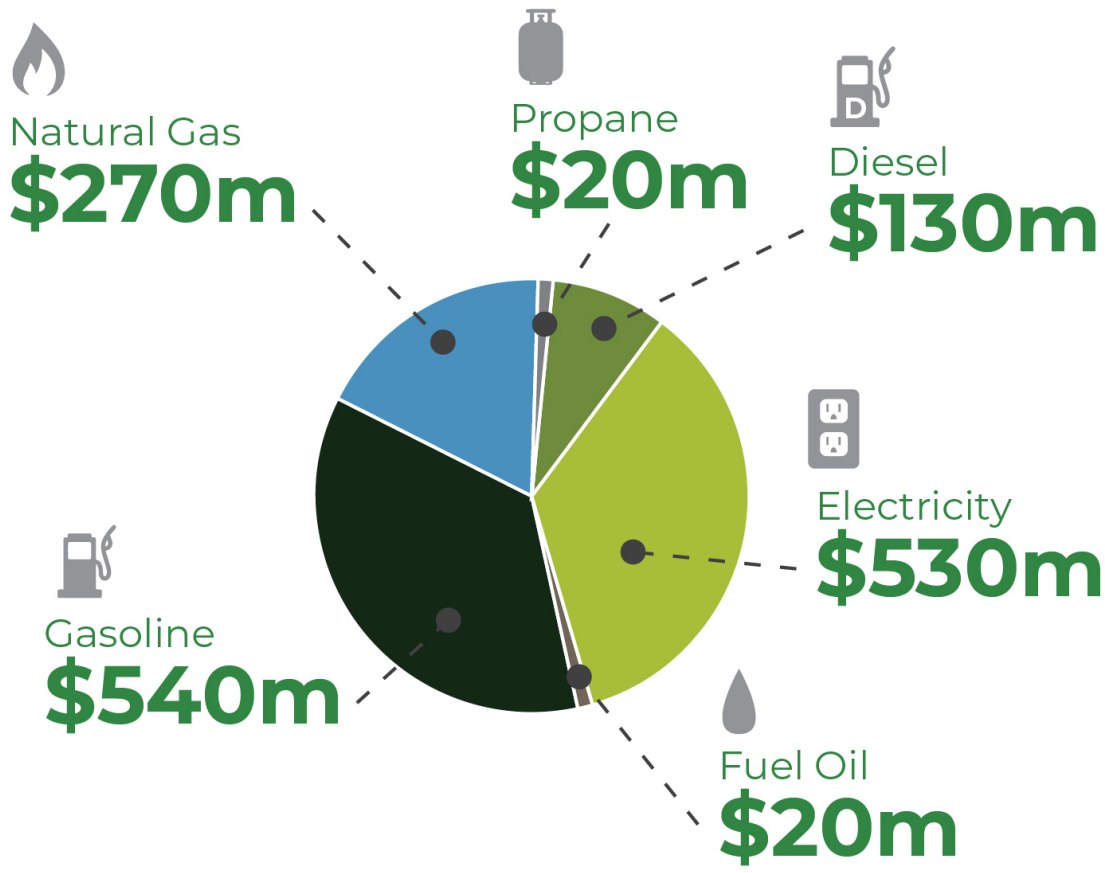
4. Leveraging Approved Budgets and Programs

- Alignment with 2022/2023 approved budgets
- Prepare detailed Climate Change Investment and Implementation Plan (for future City projects and programs)
- Multi-year Budget processes
- Prepare and design for future provincial and federal investments and opportunities



Community Energy Costs (2019)

\$1.5 Billion Spent



Choices and Opportunities:
85 to 90% of this amount leaves the local economy – need to shift!



Value and GHG Impact of Food Waste in London's Garbage



- \$450 to \$600 per household (\$80 to \$100 million/year) in avoidable food waste placed in the garbage

Choices and Opportunities:

- 10% reduction = \$8 to \$10 million saved locally
- GHG reduction potential local and global ~30,000 tonnes/year



Every household has a “menu of choices” to do their fair share by 2030



High income household of three in older single-family house, two vehicles

Current GHG emissions:
6.3 tonnes per person

Choices/actions include:

- 25% reduction in heat loss (e.g., more insulation)
- Cold-climate heat pump with gas back-up
- 1st vehicle 20% reduction in distance travelled
- 2nd vehicle switched to electric vehicle
- Reduction in organic waste

Based on today's choices, this household can reduce their emissions by 70% to do their fair share



Every household has a “menu of choices” to do their fair share by 2030



Low income, single-parent household of two in townhouse, transit user

Current GHG emissions:
2.7 tonnes per person

Choices/actions include:

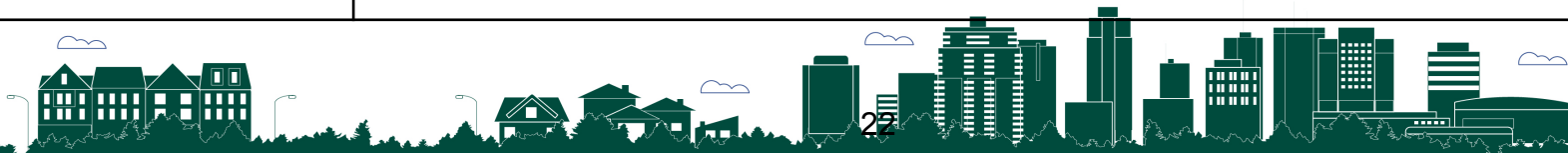
- 20% reduction in heat loss (free from Enbridge Gas)
- Reduction in organic waste
- 72-hour emergency preparedness kit

Based on today's choices, this household can reduce their emissions by 26% to do their fair share



Next Steps

| Timeframe | Item |
|-----------------------|---|
| February - March 2022 | <ul style="list-style-type: none">• Undertake draft CEAP awareness campaign• Hold presentations, where possible• Receive written comments on the Get Involved website, via email, via mail, until March 20, 2022 |
| February - March 2022 | <p>Comments from Advisory Committees for CEAP:</p> <ul style="list-style-type: none">• use normal submission process through Standing Committee, where possible• Advisory Committees can also submit comments directly to SPPC by March 28 at 9:00am for inclusion on the April 5 SPPC agenda (noting it is possible to submit as late as April 4 at 9:00am) |
| April 5 | SPPC meeting including holding a public participation meeting (PPM) |



Advisory Committee on the Environment

Report

1st Meeting of the Advisory Committee on the Environment
February 2, 2022

Advisory Committee Virtual Meeting - during the COVID-19 Emergency

Please check the City website for current details of COVID-19 service impacts.

Attendance PRESENT: M.T. Ross (Chair), N. Beauregard, M. Bloxam, J. Howell, K. May, M.D. Ross, J. Santarelli, D. Szoller and B. Vogel and J. Bunn (Committee Clerk)

ABSENT: A. Tipping

ALSO PRESENT: D. MacRae and H. Lysynski

The meeting was called to order at 12:17 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items

2.1 Mobility Master Plan

That it BE NOTED that the presentation, dated February 5, 2022, from D. MacRae, Director, Transportation and Mobility and M. Fontaine, Manager, Public Engagement, with respect to the Mobility Master Plan, was received.

3. Consent

3.1 10th Report of the Advisory Committee on the Environment

That it BE NOTED that the 10th Report of the Advisory Committee on the Environment, from its meeting held on December 1, 2022, was received.

4. Sub-Committees and Working Groups

None.

5. Items for Discussion

None.

6. Adjournment

The meeting adjourned at 1:27 PM.

Hi Jerri -

As per our correspondence this morning and the uncertainty related to the future direction or dissolution of ACE, I would like to put on the public record the following draft statement as a motion for the consideration of future advisory committees related advising staff on issues of environmental management and planning in the City of London, Ontario. Staff are CC'd.

"Be it resolved that based on the information from the December 1 presentation from Michael Watt (TEC Canada, Walker Industries) at ACE, that Staff at the City of London provide ACE, or a future environmental advisory committee, with a Staff report, to be included as an addendum to final version of the CEAP, providing a preliminary business case for RNG project development at the W12A landfill site commensurate with: comparative case study analysis of best practices at other Ontario landfill facilities (e.g. City of Toronto, City of Hamilton, Niagara); City of London CEAP objectives, work plans and net zero emissions goals for 2050; and the commensurately related 2022 W12A landfill expansion permitting goals, and expedient, 2022 implementation of City-wide programs for organic waste management diversion."

BV