

# Overview of Climate Emergency Action Plan and Next Steps

**Prepared for:  
Environmental Stewardship and Action  
Community Advisory Committee**

**Meeting on September 7, 2022**



#LdnOnt  
**ClimateAction**



**London**  
CANADA

# Purpose of this Slide Deck and Overview Presentation

To provide ESACAC with:

- **Summary** - a refresher on CEAP
- **Summary** - work underway (last 4 months) and coming up (next 6 months)
- ESACAC Assistance – ideas for CEAP involvement



# Recent CC Developments & Insight

## Taking action is only getting more important

### Floods, droughts, storms will cost Canadian economy \$139B in next 30 years, report says

Manufacturing and distributing will be hit hardest, according to a new climate-based analysis

The Canadian Press - Posted: Aug 29, 2022 2:24 PM ET | Last Updated: August 29



“Retail, banking, energy, agriculture among most affected sectors”

- GHD, August 2022

<https://www.cbc.ca/news/business/water-risk-canadian-economy-impact-1.6565523>

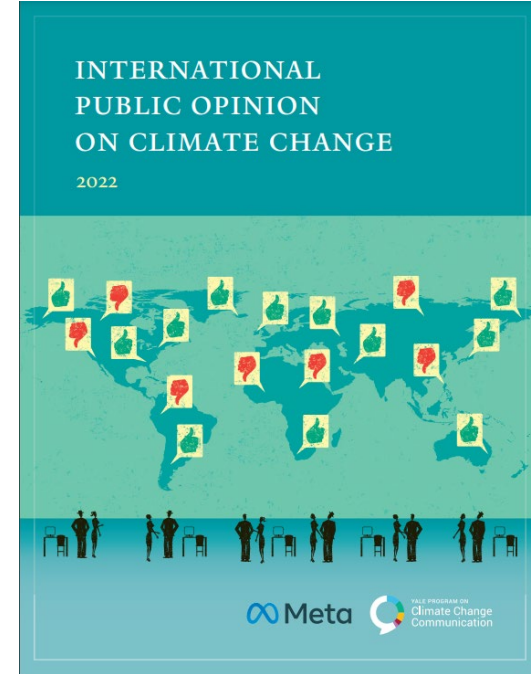


# Recent CC Developments & Insight

## Canadians are Expecting Action

2022 survey by Meta & Yale of over 100,000 active Facebook users

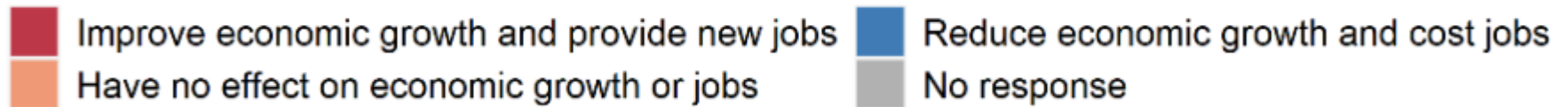
- A majority of respondents in nearly every area are worried about climate change.
- Respondents in nearly every area think that climate change is a threat to their country or territory over the next 20 years.



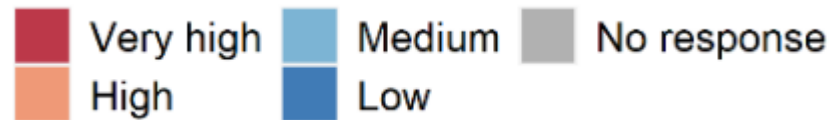
# Recent CC Developments & Insight

2022 survey by Meta & Yale (continued)

## Reducing climate change will provide economic benefits

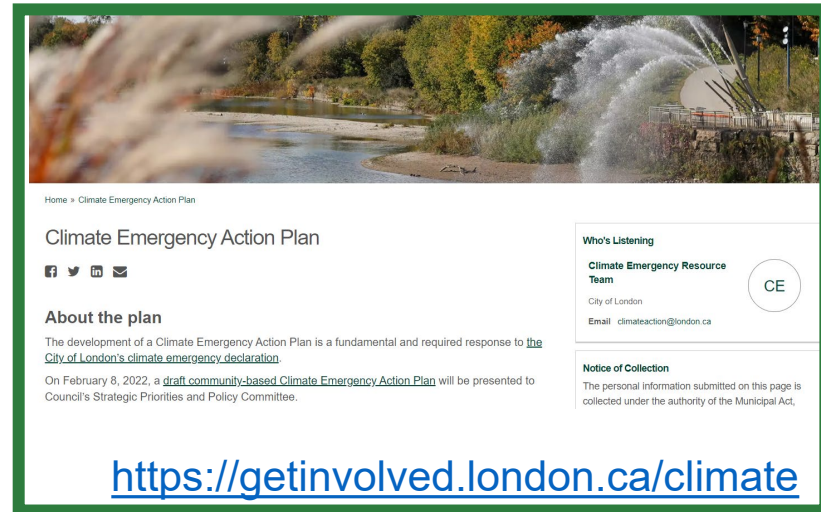
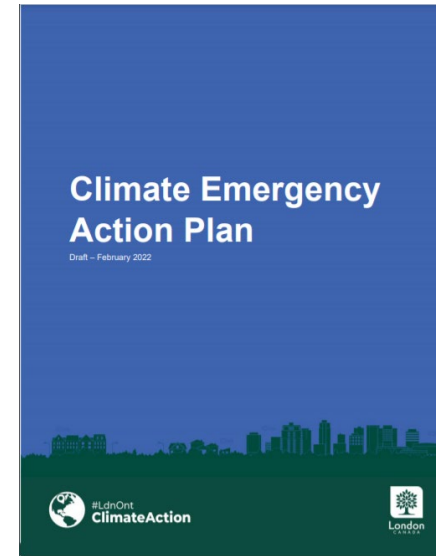


## Climate change should be a government priority



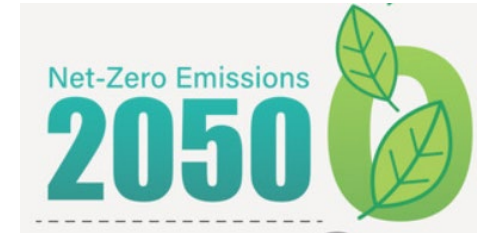
# CEAP – What does it look like?

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

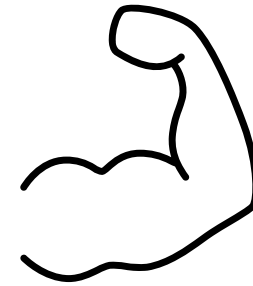


# CEAP Goals

**1. Net Zero Emissions  
by 2050**



**2. Improved Resilience**



**3. Bring Everyone Along**



# 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  Net-Zero by 2050 or sooner	65% by 2030 75% by 2035 90% by 2040 Net-Zero by 2045

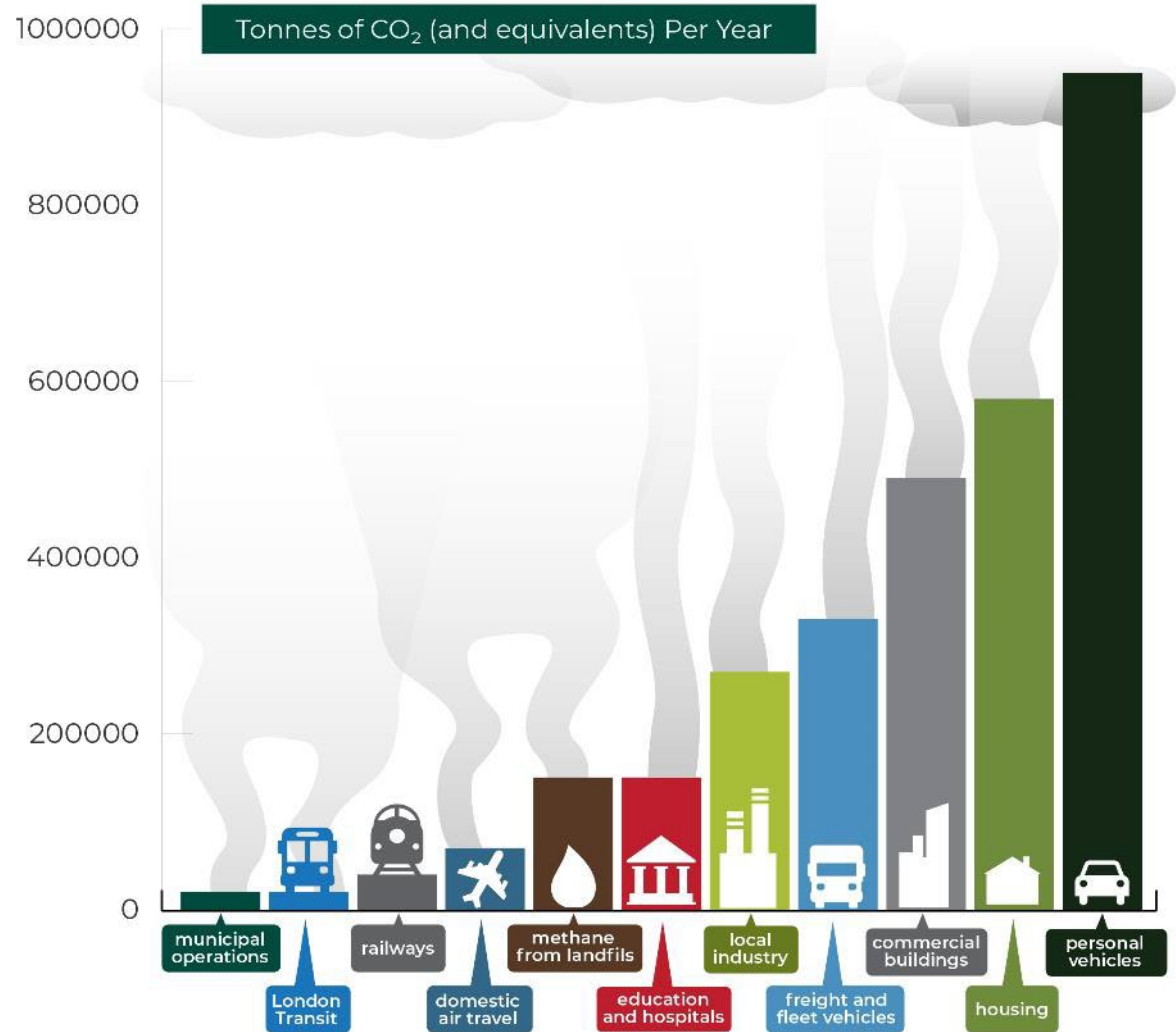
For 2030, this would require a city-wide reduction in annual emissions of about 1 million tonnes from 2020 or 1.25 million tonnes from pre-pandemic levels.





# Community GHG Emissions (2019)

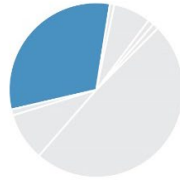
3.0 million  
tonnes CO<sub>2</sub>e



# Average Household Emissions



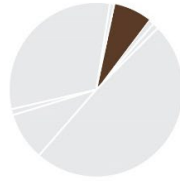
  
Vehicle Gasoline  
**49%**



  
Natural Gas  
Home Heating  
**31%**



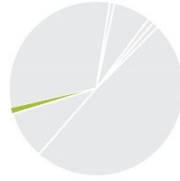
  
Natural Gas  
Water Heating  
**9%**



  
Methane From  
Food & Organic  
Waste in Garbage  
**7%**



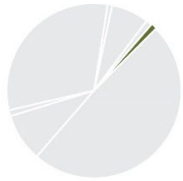
  
Propane BBQs etc.  
**1%**



Electricity  
Furnace & Air Conditioner  
**1%**



  
Electricity  
Appliances & Electronics  
**1%**



Electricity  
Lighting  
**<1%**

2019 data  
(pre Covid-19)

The average person living  
in a house in London emits  
**4.8**  
tonnes per year.

Aiming for  
**2.2**  
tonnes per  
year by  
2030



# Expected Results with 2030 Milestone Outcomes

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



# 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



# May - August 2022 CEAP Activities

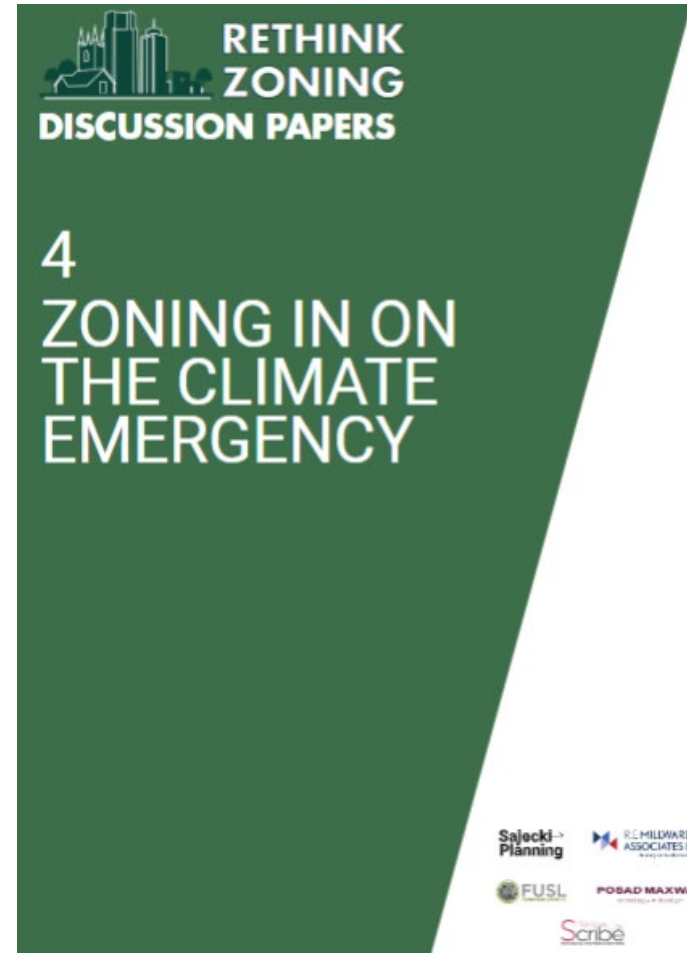
- Expanding, diversifying and deepening engagement through MMP **AoF 1**
- CEAP awareness – back at community events
- Tamarack Institute work with community partners



# May - August 2022 CEAP Activities

## AoF 3

- Integrated with the ReThink Zoning team
- Parking By-Law revision to reduce parking minimums in new development



# May - August 2022 CEAP Activities

## Mobility Master Plan

Help shape the future of transportation & mobility in London.

### AoF 4



Pilot projects for cargo e-bikes and personally-owned e-scooters approved (AoF 4)





# May - August 2022 CEAP Activities

- Climate Lens Process with: **AoF 7**
  - Waste Management (current focus)
  - Transportation
  - Planning applications
  - Asset Management
- Conversations with COTTFN on climate action
- Biosolids Master Plan options analysis (GHG)
- Introduced fleet e-bikes



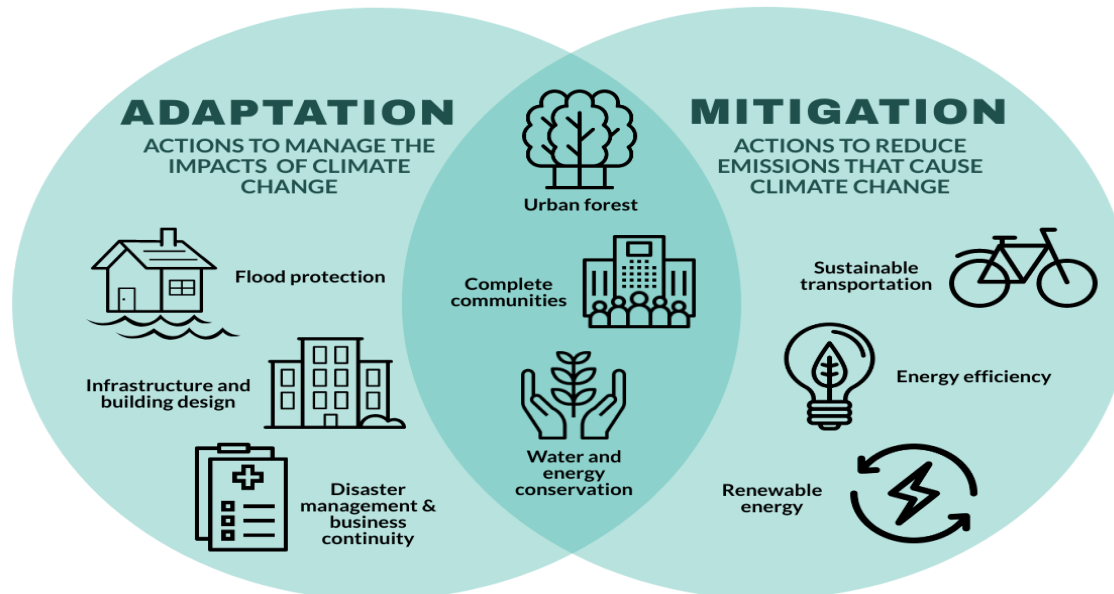
# May - August 2022 CEAP Activities

ADVANCING  
ADAPTATION 



**AoF 8**

- Knowledge sharing with other municipalities
- Internal workshops and review of previous work
- Development of a “discussion primer”



# CEAP's Next 6 Months

## AoF 1 – Engaging, Inspiring and Learning from People

- Work on MMP – reaching more and more equity-deserving groups
- Series of projects forthcoming to test and advance collective impact in the community
- Working on collaborative framework ideas for engagement



# CEAP's Next 6 Months

## AoF 2 – Taking Action Now (Household Actions)

- Awareness of CEAP
- Transportation and mobility; home energy efficiency
- CHBA Net Zero Renovation Pilot Program
  - 4-year project
  - Trades training & certification
  - Select 5-20 homes to retrofit



# CEAP's Next 6 Months

## AoF 3 – Transforming Buildings and Development

- Initiate 5-year comprehensive OP review with Climate Lens
- ReThink Zoning process continues
- Advance Climate Lens Process to development applications
- Engaging with development community



### THE LONDON PLAN

EXCITING. EXCEPTIONAL. CONNECTED.

CONSOLIDATED MAY 25, 2022  
COUNCIL ADOPTED, JUNE 23, 2016  
MINISTER APPROVED, DECEMBER 28, 2016



# CEAP's Next 6 Months

## AoF 4 – Transforming Transportation and Mobility

- MMP activities
- Active Transportation infrastructure construction
- Rapid Transit construction
- Finalize and implement Transportation Management Association
- Develop Electric mobility plan



# CEAP's Next 6 Months

## AoF 5 – Transforming Consumption and Waste as Part of the Circular Economy Workplan

- Food Waste Avoidance implementation plan
- Green Bin program implementation plan
- Landfill renewable natural gas (RNG) project
- Circular economy research and collaboration



# CEAP's Next 6 Months

## AoF 6 – Implementing Natural and Engineered Climate Solutions and Carbon Capture

- Tree Planting Strategy development
- Continued Environmental Management Guidelines for development



Tree canopy on tree lined street

St. James Street Thermal imaging (light colour = hot; dark colour = cool)





# CEAP's Next 6 Months

## AoF 7 – Demonstrating Leadership in Municipal Processes and Collaborations

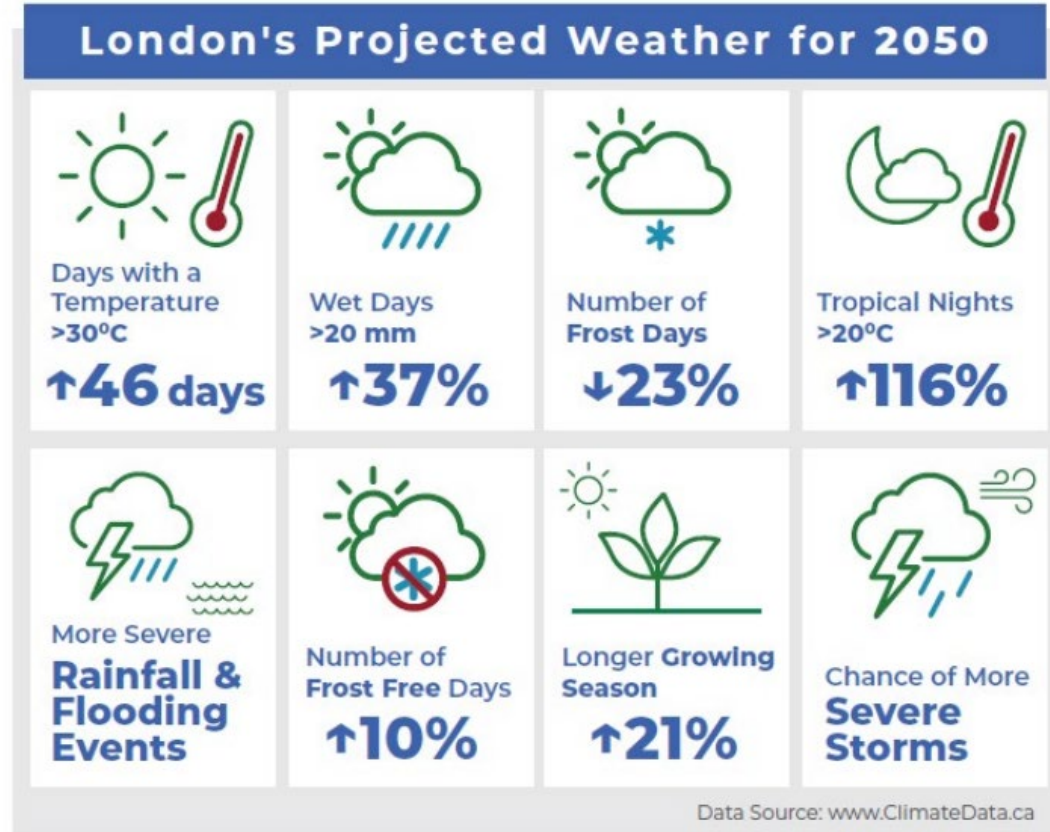
- Development of Strategic Plan with Municipal Council
- Continued Climate Lens Process implementation
- Development of pathways to net-zero strategy for Corporate emissions
- Advance Biosolids Master Plan
- Start receiving some additional compressed natural gas (CNG) waste collection trucks
- Installation of more fleet EV chargers



# CEAP's Next 6 Months

## AoF 8 – Adapting and Making London More Resilient

- Adaptation Plan (advancing from ICLEI-assisted discussion primer to engagement and consultation leading to Adaptation Plan)



# CEAP's Next 6 Months

## AoF 9 – Advancing Knowledge, Research and Innovation

- CityStudio student projects (Western & Fanshawe)
- Western MoU student projects
- Federal CAAF Research Projects
  - Western University
    - Engineering, Geography, Ivey
    - Improving climate action cost-benefit models
  - University of Waterloo (2 projects)
    - Residential focus
    - Improving GHG measuring & monitoring



# CEAP's Next 6 Months

## AoF 10 – Measuring, Monitoring and Providing Feedback

- Detailed climate action cost-benefit modelling and analysis
- London.ca website improvements for communication regarding CEAP
- Working with partners for conveying updates, actions and progress



# 1 ESACAC Assistance - Ideas

## AoF 1 – Engaging, Inspiring and Learning from People

Existing Actions :

- (Action 1) Convene and co-create community-led, City-supported group to extend CEAP into the community
- (Action 2) Convene and co-create a business and institution-led group to extend the reach of the CEAP into the business community

**Ask:** Looking for ideas and “how to” regarding community engagement



# 2&3 ESACAC Assistance - Ideas

## Funding and Climate Action Priorities

Collectively we all must do more, but capacity constraints are real (time, resources, funding).

**Ask:** How do we fund climate action? If tradeoffs are required, what should we do less of and why?

## Advancing Forestry Efforts

Tree planting on City lands is nearly complete.

**Ask:** What options/strategies can be used to engage regarding tree planting on private lands?



# 4&5 ESACAC Assistance - Ideas

## Household Action and Awareness

Community mobilization on residential energy efficiency is required.

**Ask:** How can barriers to home energy efficiency actions for homeowners be addressed?

CEAP has identified a household approach to explaining levels of responsibility for climate action.

**Ask:** How can we elevate the work and understanding?



# 6&7 ESACAC Assistance - Ideas

## Taking Action on Adaptation

Engaging and supporting action on adaptation can be difficult due to negative, “doomsday” messaging

**Ask:** How can we convey global challenges in a local context - to make Londoners understand local challenges and opportunities and be willing to act?

## Use of “Working Groups”

City staff available for specific items

**Ask:** Determine best way to have specific background details in hand prior to getting started

