

# Infrastructure and Environment Committee Overview

January 30, 2023

## **Tracey Cook**

Deputy City Manager,  
Infrastructure & Development  
Services

## **Paul Raftis**

Deputy City Manager,  
Community & Social Services

## **Josie Scioli**

Deputy City Manager,  
Corporate Services

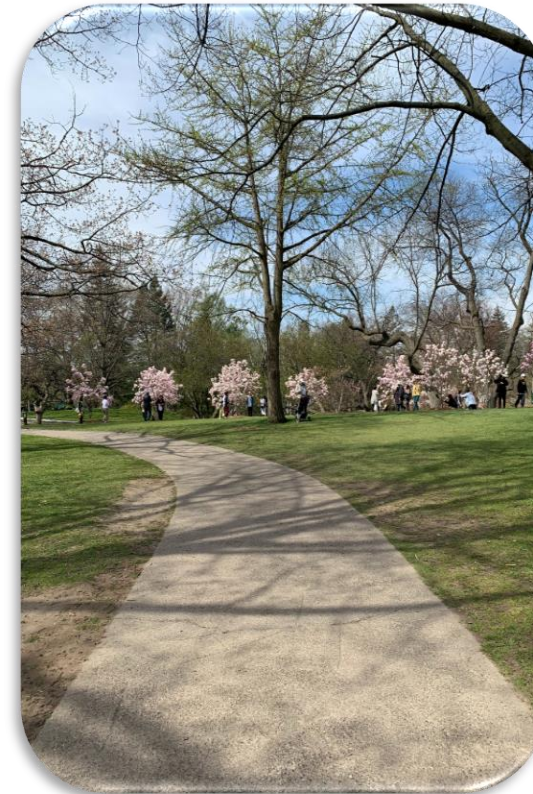
# Committee Overview - Mandate

## Mandate

The primary focus is on infrastructure and the natural environment, with a mandate to monitor and make recommendations on Toronto's infrastructure needs and services, parks and forestry, and the sustainable use of Toronto's environment.

## Priorities

- City Infrastructure & Mobility strategies
- Urban Forestry & Greenspace strategies
- Environmental policy
- Waste management strategies



# Engineering & Construction Services



## Service Delivery

- Building safe & sustainable infrastructure
- Managing coordination and mitigating disruption
- Fiscally responsible

## Municipal Infrastructure Construction

- Engineering & project management services for construction of new & upgraded infrastructure

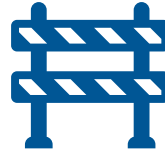
## Engineering Review & Acceptance

- Review & acceptance of development, transit, third party, & other public agencies applications



# Major Initiatives – Engineering & Construction Services

- Capital Infrastructure Project Investments



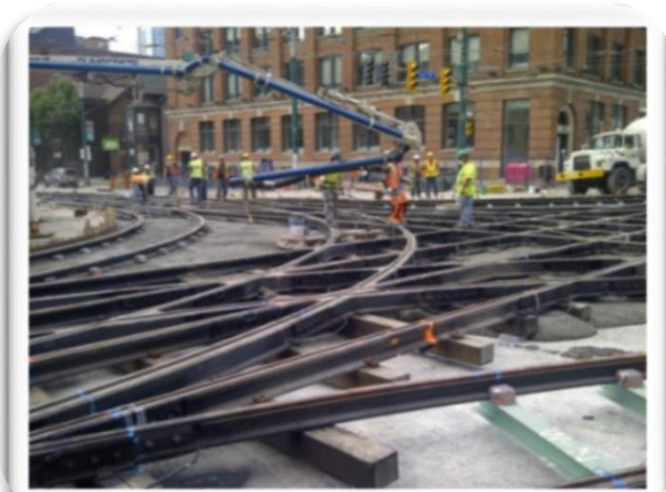
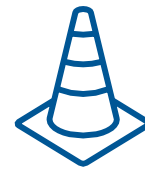
- Negotiate & Enter into Agreements for the Construction of Municipal infrastructure



- Regulatory Compliance & Policy Amendments



- State of Good Repair (SOGR) of Infrastructure assets



# Solid Waste Management Services



## Service Delivery

Collects, transports, processes, composts and disposes of municipal and some private sector waste, recyclables, organics, electronics waste and household hazardous waste.

### Customers



**Residential** – 870,000 Single family households and Multi-residential units



**Commercial** – 6,500 Bin and bag-only small commercial locations



**Non-Residential** – 2,300 Schools, charities, religious institutions, City facilities



**Public Space and Events** – 20,000 + Parks and litter bins, 1,000 special events annually

### Services

- Blue Bin Recycling
- Drop-Off Depots
- Garbage
- Green Bin Organics
- Electronic Waste
- Household Hazardous Waste
- Oversized Items
- Private sector use of Drop-Off Depots & landfill
- Yard Waste

### Assets

- 1.5 million bins
- 750+ Vehicles and equipment
- 160 Closed Landfills
- 7 Transfer Stations & Drop-Off Depots
- 6 HHW Depots
- 4 Operating & Maintenance Yards
- 4 Collection / Litter Yards
- 2 Organics Processing Facilities
- Green Lane Landfill

# Major Initiatives – Solid Waste Management Services

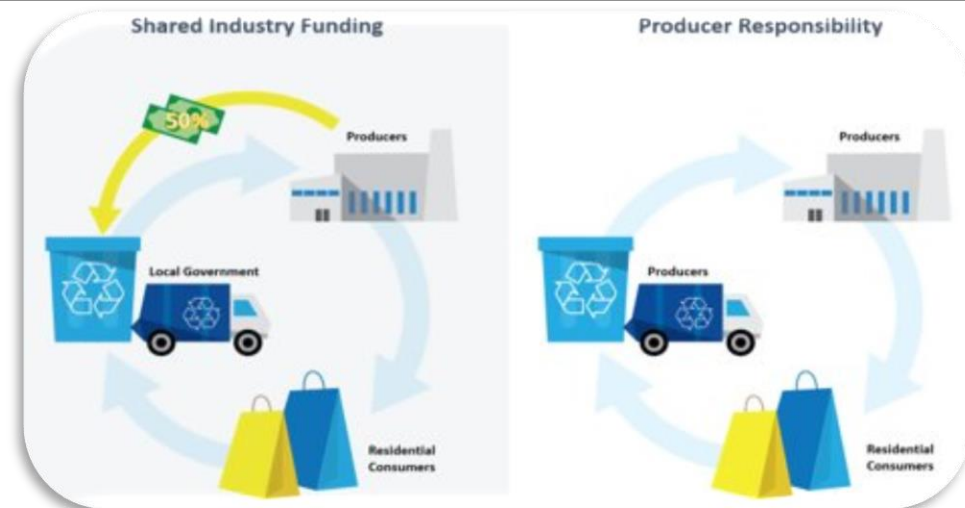
## Renewable Natural Gas (RNG) Strategy & the 3rd Organics Processing Facility

- Raw biogas produced from processing Green Bin organics converted into Renewable Natural Gas.
- New construction of a third organics processing facility in 2028.
- Review & implementation of renewable energy options for the use of the biogas generated at the new facility.



## Extended Producer Responsibility – Transitioning the Blue Box Program to Producers

- Endorsed by Toronto City Council, Toronto will transition on July 1, 2023. During the transition phase it is expected that there will be no changes to the City's current Blue Bin Recycling Program.
- The City is working toward an agreement to provide recycling services on behalf of producers throughout the transition timeline.



# Toronto Water



## Service Delivery

- Manages one of the largest water, wastewater & stormwater systems in North America 24/7
- Ensures that over 3.6 million residents & businesses in Toronto, & portions of York & Peel have access to safe drinking water, safely treated wastewater & stormwater management

*Toronto Water has been providing critical services for over 150 years!*



# Major Initiatives – Toronto Water

- Basement Flood Protection Program Assessments & Updates
- Compliance Reports
- Source Water Protection
- Stormwater Management Program
- Wastewater Energy Transfer Pilot Projects
- Watermain & Sewer Replacement/ Rehabilitation
- Water Fees, Charges & Programs





# Transportation Services



## Service Delivery


- Responsible for the planning, engineering, design, maintenance & operations of bikeways & major trails, bridges & culverts, roads, sidewalks, traffic signals, & pedestrian crossovers.

**\$12B in Assets**

**\$20B Replacement Cost**

**\$575.4M Capital Budget**

**\$425.5M Operating Budget**


 **5,780 km**  
of roads

 **7,400 km**  
of sidewalk

 **2,483**  
traffic signals

 **900+**  
bridges and culverts

 **490**  
pedestrian crossovers

 **776 km**  
bikeways and major trails

# Major Initiatives – Transportation Services

## Cycling Network Plan



## Vision Zero 2.0 Road Safety Plan



## Winter & Summer Maintenance



## MoveTO



# Parks, Forestry and Recreation



Janie Romoff  
General Manager

## Vision

Toronto is a vibrant city offering safe, welcoming and well-maintained parks and trails, a sustainable and expanding urban forest, and quality recreation facilities and programs supporting diverse needs for active, healthy lifestyles and engaged communities.

## Mission

To improve the quality of life of Toronto's diverse communities by providing safe, beautiful parks; a healthy, expanding urban forest; and high quality, community focused recreational experiences.



**1,500+**  
parks



**\$822M**  
in ravine  
ecosystem  
services



**247**  
wading pools /  
splash pads



**900+**  
playgrounds



**11.5M**  
trees



**28.4 - 31%**  
tree canopy  
cover



**\$7B**  
structural  
value

**504 km**  
paved paths  
and trails

**151k+**  
park  
bookings

**694**  
sports  
fields

**1.5M**  
passengers  
transported  
on ferries

**\$55M**  
in ecosystem  
services

**420K+**  
work orders  
annually

**120K**  
trees planted  
annually

# Major Initiatives



Protect, grow and improve Toronto's tree canopy with the Council-approved target of **40 per cent tree canopy cover by 2050**



Advance replacement of the City's **ferry fleet with fully electrified vessels**, in support of Toronto's climate goals



Complete **32 new park projects in 2023**, and continue to advance park and public realm opportunities across the city

- ❑ Provide an update on and continue the implementation of:

**Ravine Strategy**, the City's coordinated framework, vision and approach to ravine management and investment

**Parks and Recreation Facility Master Plan**, representing a \$2.223 billion investment to serve growth over the next 20 years

**Parkland Strategy**, a 20-year plan to guide decision-making, prioritization for parkland, and long-term planning for new parks and expansion

- ❑ Support the implementation of the City's **Reconciliation Action Plan** including co-development of an Indigenous Placekeeping Program

- ❑ Improve mobility within High Park through the **High Park Movement Strategy**, prioritizing safety, accessibility and the park's ecological integrity
- ❑ Complete the **Toronto Island Master Plan**, a long-term planning document co-created with Indigenous rights holders, local communities, and Toronto residents
- ❑ Expand the tree canopy where it's needed most by applying a **tree equity approach** to address Toronto's canopy distribution
- ❑ Continue to deliver **enhanced winter services** in parks to support outdoor activities through expanded snow clearing and washroom access

# Environment & Climate



## Our mandate

With the goal of making Toronto one of the most sustainable cities in the world, the Environment and Climate Division leads and supports the development and implementation of strategic community and corporate-wide environment, climate change and energy policies and programs to advance the City's overall sustainability outcomes, including *TransformTO*, Toronto's strategy for net-zero emissions by 2040.

## What we do

- Provide research, policy expertise and establish partnerships with stakeholders across the community and within the corporation to reduce emissions to the environment and bolster climate resilience.
- Design and implement innovative policies and programs that promote climate mitigation and resilience, energy security and supply, sustainable development and the growth of the green economy.
- Support the greening of City operations.
- Deliver tools and resources to inspire Toronto residents and businesses in adopting sustainable lifestyles and business practices.



**energy conservation  
and demand  
management**



**reduce emissions  
to the  
environment**



**energy security  
and supply**



**resilient  
city**



residents



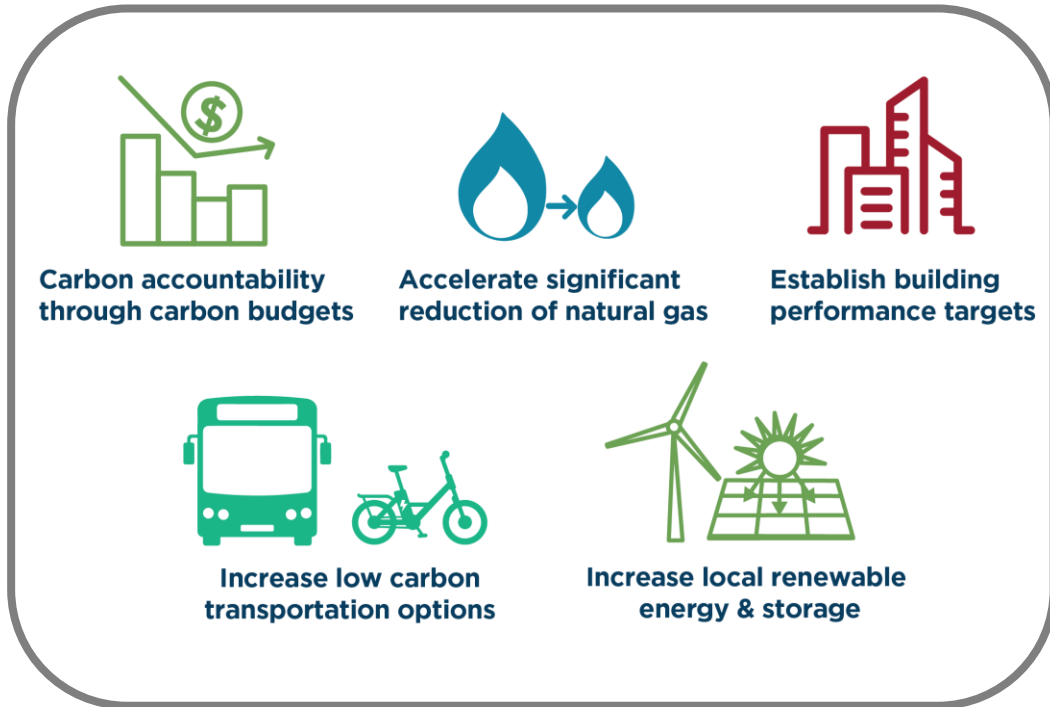
businesses



City operations

# Major Initiatives

## 5 Critical Steps to Getting to Net Zero



## Enabling Transformation in the Community



### Home Energy Loan Program

- Makes it easy and affordable for homeowners to make energy upgrades and access financing and rebates

### Community Energy & District Energy Planning

- Integrates low-carbon and resilient energy solutions in the community.



### Live Green Toronto

- Provides resources, incentives and events to engage and inspire residents and businesses to take climate action

# IEC 2023 Workplan

- Updates on transit, construction hubs, measures to manage major infrastructure work
- Update on Negotiations with Producer Responsibility
- TransformTO net Zero Strategy
- Cycling Network Plan
- Single-Use and Takeaway Items Reduction Strategy
- MoveTO Update
- Vision Zero Update



# Questions?

## **Tracey Cook**

Deputy City Manager,  
Infrastructure & Development  
Services

## **Paul Raftis**

Deputy City Manager,  
Community & Social Services

## **Josie Scioli**

Deputy City Manager,  
Community & Corporate  
Services