



# Public EV Charging City of Toronto Activities

Presentation to Toronto Parking Authority Board

November 29, 2024



# Presentation Objectives

- Provide an overview of:
  - The city-wide context for public EV charging.
  - Strategy and plans to ensure that sufficient public charging infrastructure will be in place to accommodate growth in EV ownership to 30% of registered personal vehicles by 2030.

# TransformTO Net Zero Strategy – Critical Steps

TransformTO Targets (adopted December 2021):

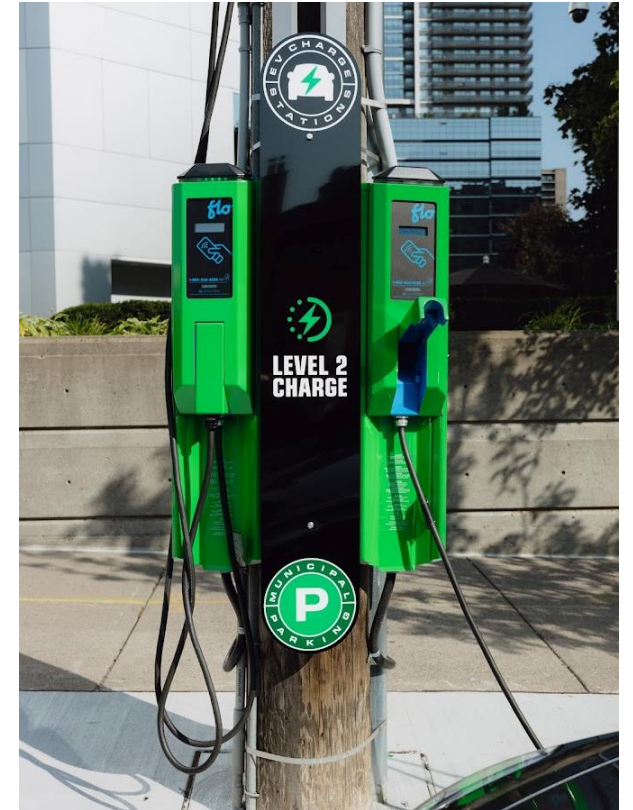
- 45% GHG emissions reduction by 2025 (from 1990 levels)
- 65% by 2030
- Net zero by 2040

|                                                                                     |                                                                                                                        |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|    | Demonstrate carbon accountability locally and globally by establishing a carbon budget.                                |
|    | Accelerate a rapid and significant reduction in fossil (natural) gas use in buildings.                                 |
|    | Increase access to low carbon transportation options, including walking, biking, public transit and electric vehicles. |
|  | Increase local renewable energy to contribute to a resilient, carbon-free grid.                                        |

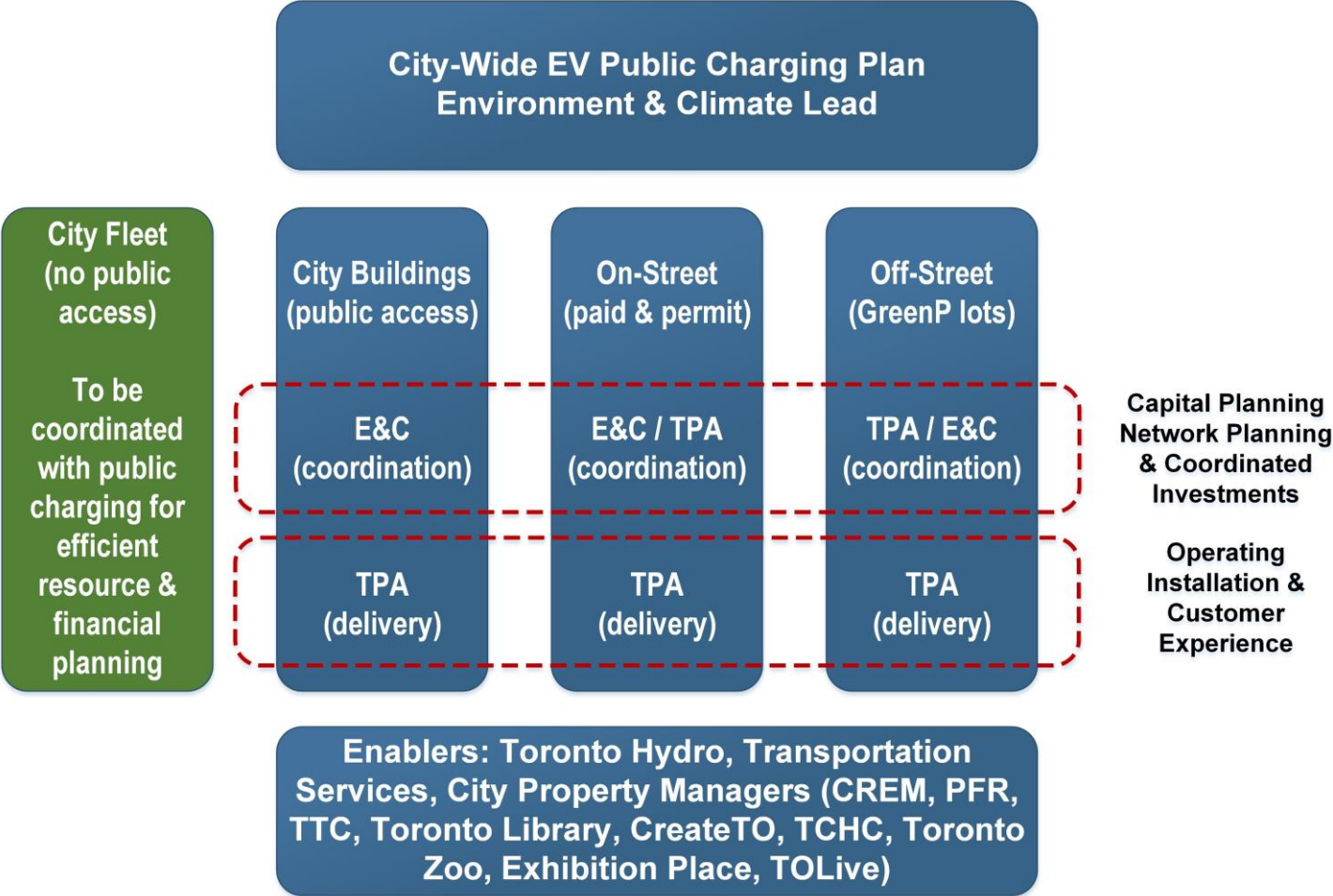
- 5% share of EVs in registered vehicles by 2025
- 30% share by 2030
- 100% share by 2040

# Public EV Charging – Accomplishments & Initiatives

- 407 EV chargers have been deployed by the TPA.
- Additional 38 off-street chargers (31 Level 2; 7 Level 3) at 4 locations by the end of 2024 – this will bring the total number of City provided EV chargers to 445, 415 Level 2 and 30 Level 3.
- Site selection of over 100 potential on-street EV charging locations using “demand and utilization driven perspective” is in progress.
- Design and implementation to follow further definition of on-street EV charging through City-Wide EV Charging Strategic Plan.

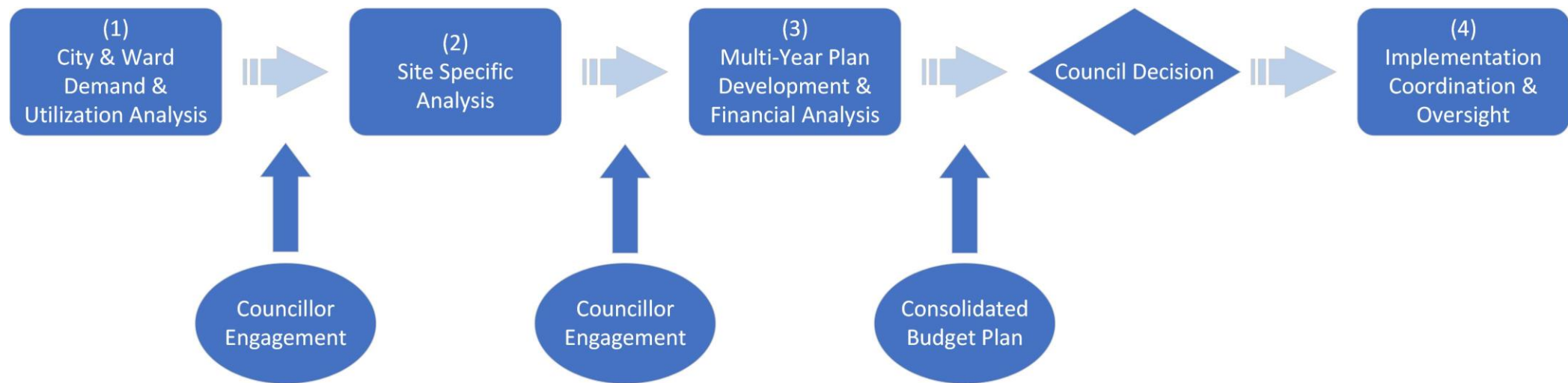


# Approach to Public EV Charging - Governance Approach



# Approach to Public EV Charging - Next Steps

## Cross-corporate coordination to advance EV infrastructure asset planning for the near term (2025-2030)



- 1) Environment & Climate (E&C) and Toronto Parking Authority (TPA)
- 2) E&C / TPA / Toronto Hydro / Transportation Services / Property Managers

- 3) E&C and Financial Planning
- 4) Environment & Climate

# Approach to Public EV Charging - Next Steps

## Cross-corporate coordination to advance EV infrastructure asset planning for the near term (2025-2030)

- Coordinate through 2025 Budget process development of an annual three-year rolling public EV charging plan
  - Focus in 2025 on reviewing work completed by DACs within the context of the direction provided by Council
- Enable alignment with the City's Approach to Public EV Charging to 2030 planning, deployment, and management activities, including:
  - Review the proposals received through the strategic partnership Expression of Interest to support decisions on city-wide business model for EV infrastructure,
  - Development opportunity review of TPA portfolio, related to the City's Long-Term Financial Plan as directed by Council, and
  - Update TPA delegated authorities & relationship framework as required.
- Investigating equity considerations through increased education and public charging station location consideration of Vehicle-for-Hire (VFH) vehicles (In October 2023, City Council adopted the Transitioning the VFH Industry to Net Zero Emission by 2030 report)
- Articulating equity considerations through education and public charging station location consideration of Vehicle-for-Hire (VFH) vehicles
- Technical projection of future needs from a demand- and utilization-driven perspective

# Appendix

## City Council Directives



Adobe Acrobat  
Document