

# Smart Cities Hub

## City of Ontario



### Description

The Ontario pilot project aimed to reduce vehicle miles traveled (VMT) through three innovative sub-projects. The Smart City Hub, leveraging smart technologies and sensors, monitored and analyzed transportation activity, providing valuable insights and data accessibility to residents. This hub offered programs like Beyond CoWork and the InterPhase Incubator, fostering economic development and innovation. Despite operational challenges, the Intelligent Refuse Collection pilot sought to optimize waste collection with smart sensors, aiming for efficiency and VMT reduction. The Final Mile Mobility project introduced electric scooters and robots to promote walkable lifestyles, though it faced setbacks due to the pandemic. Together, these efforts significantly contributed to the city's VMT reduction goals, highlighting Ontario's commitment to sustainable urban mobility.



### Vehicle Trips

#### Vehicle Miles Traveled (VMT/year)

**102,656 mi**



### Air Quality Improvements (pounds/year)



### Socio-economic Benefits

#### Cost Effectiveness

**\$60K**

annualized direct project cost

**\$0.59**

per VMT saved

#### Cost Savings

**3,400** gallons of fuel

**\$16,500** dollars in fuel costs annually

**3,400** driving hours reduced

#### Number of Users Served

**428,000** users served

#### Resource Utilization

**20** ventures supported by the Smart City Rapid Validation Hub

**3,500** key stakeholder insights

**\$4M** raised

#### Customer Satisfaction

High resident attendance at smart city events.

#### Disadvantaged Communities Impacts

The program reduces VMT throughout the City of Ontario. We estimate that **92%** of the VMT saving occurs in disadvantaged areas, which improves quality of life through reductions in local pollutants and decongestion of the street network.