

# Sustainability Data Platform & Implementation Update

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# Agenda

## 1. Sustainability Data Platform discussion

- TIS Enterprise Data Management (EDM) Strategy
- Overview of past and current practices
- Approach
- Council feedback
  - Indicator priorities
- Next steps

## 2. ESAP implementation update



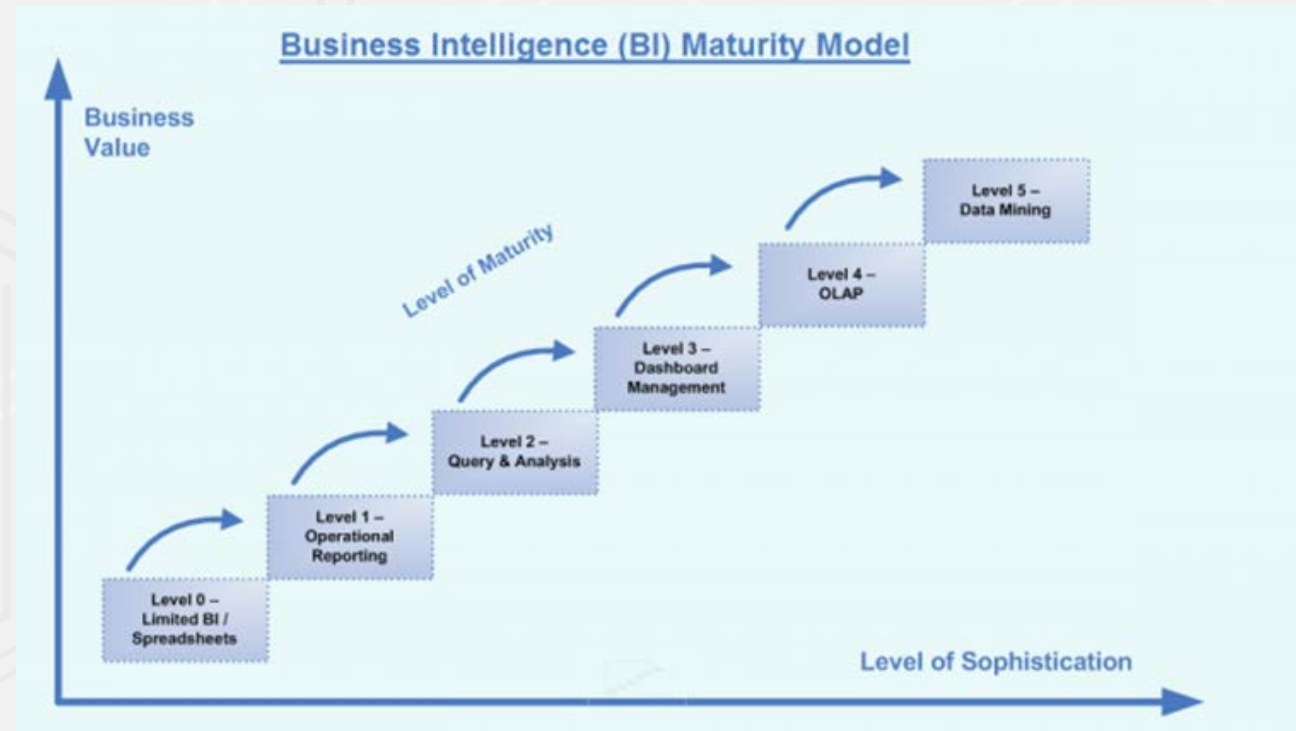
# Enterprise Data Management (EDM) Strategy


## TIS Strategic Themes

- Cloud Preferred
- Data Informed
- Customer Aligned
- Smart City Foundations
- Secure and Compliant

## EDM Strategies

- Move Enterprise Data Platform to the Cloud
  - Common Data Platform, Standard Tools
- Develop a Culture of Information Literacy
  - Business Intelligence
  - Metrics Aligned with Business
  - Raise Organizational IQ
- Ensure Data Confidentiality, Integrity and Availability



A photograph of a woman with short brown hair, wearing a dark blue jacket, smiling and petting a light-colored sheep. Three children are standing behind the sheep: a girl in a yellow raincoat, a girl in a pink top, and a boy in a camouflage jacket. They are all smiling. The background shows a wooden fence and greenery.

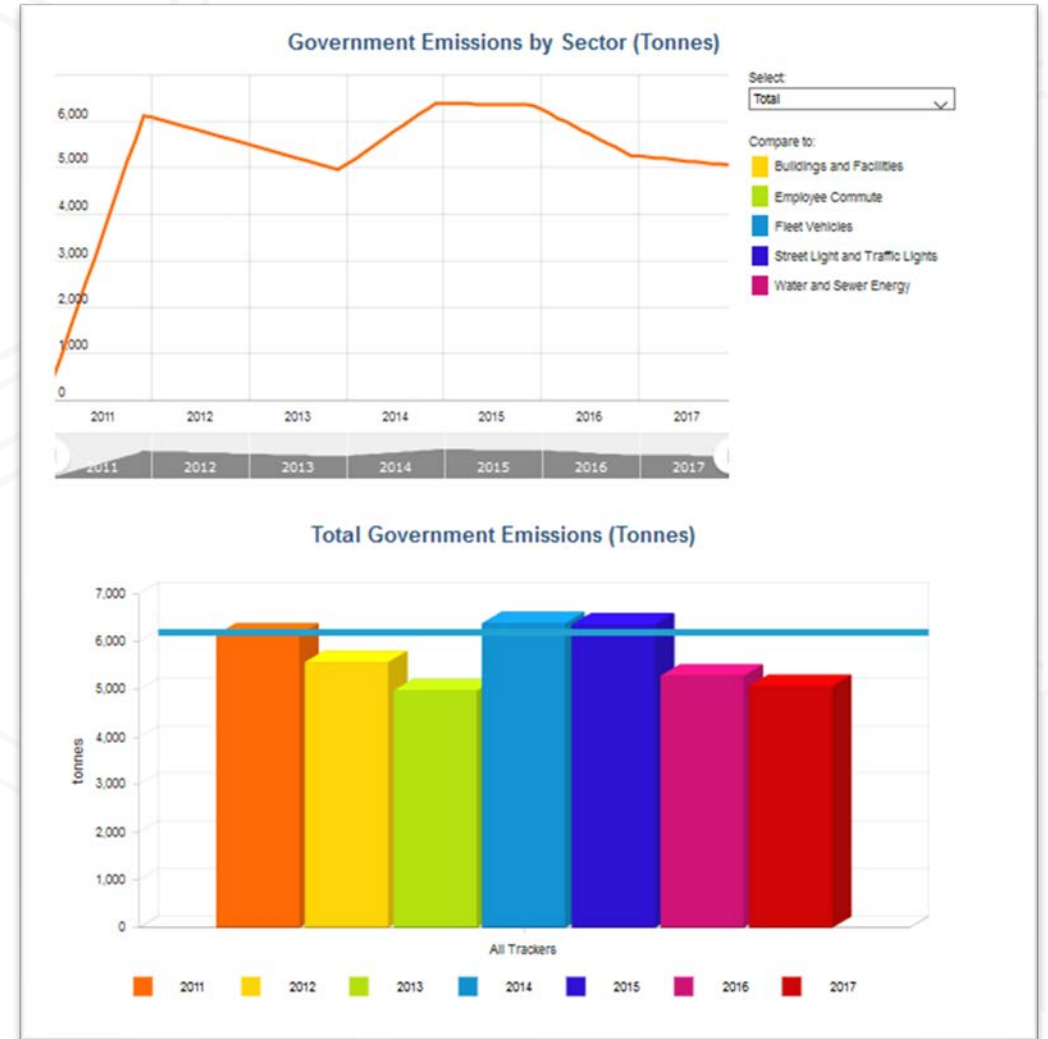
Climate data is key to understanding how cities are contributing to rising emissions so that we can appropriately respond and prioritize actions that will deliver the greatest impact.



# Where We've Been

## Scope5

- Joint effort with K4C members
- Data visualization and greenhouse gas emissions calculator
- 25+ community and municipal metrics
- Sunset in 2018

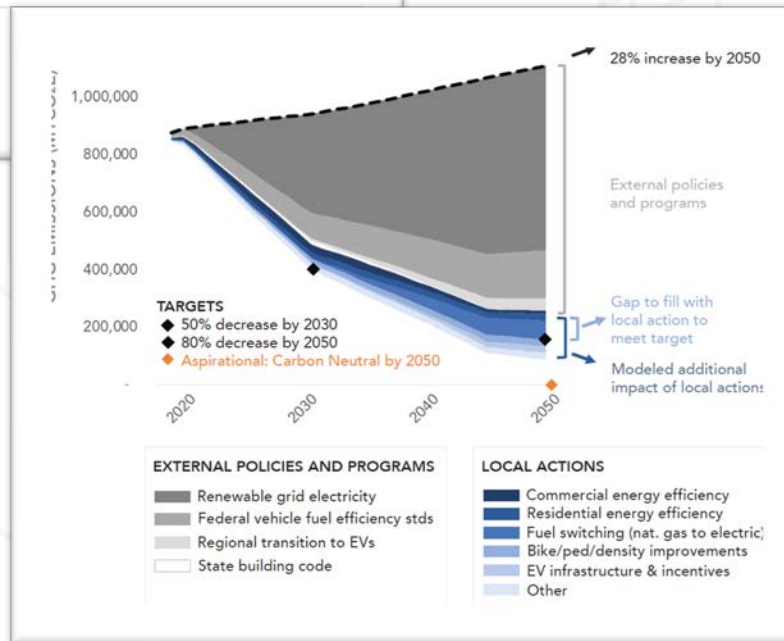


<https://k4c.scope5.com/dashboards/12>

# Where We've Been

## Key Performance Indicators

Performance Measure	Status	Historic Trend
Community GHG emissions (MTCO <sub>2</sub> e)	Worsening	
Per-capita community GHG emissions (MTCO <sub>2</sub> e/capita)	Improving	
Municipal GHG emissions (MTCO <sub>2</sub> e)	Improving	



## Environmental Sustainability Action Plan

- Sustainability inventory
- Informed ESAP and wedge analysis
- 8+ years of data for 30+ KPIs
- Excel-based approach
- Foundation for ESAP monitoring and measurement

# Approach



# Approach







# Council Feedback

# Performance Indicator Themes

## Municipal Indicators

- Greenhouse gas emissions
- Energy consumption
- Water consumption
- Waste diversion
- Fleet fuel consumption
- Tree canopy expansion on public property
- Education and outreach
- Investment portfolio

## Community Indicators

- Greenhouse gas emissions
- Energy consumption
- Water consumption
- Waste diversion
- Vehicle miles traveled and mode share
- Community-wide tree canopy
- Natural systems health
- Aquifer health

# Feedback: are these the right leading indicators?

## Municipal Indicators

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# Next Steps



**We are here**

*Study Session*



**End of Q3  
2021**

Council Study Session with findings and prototype



**Q2  
2021**

Research and scoping

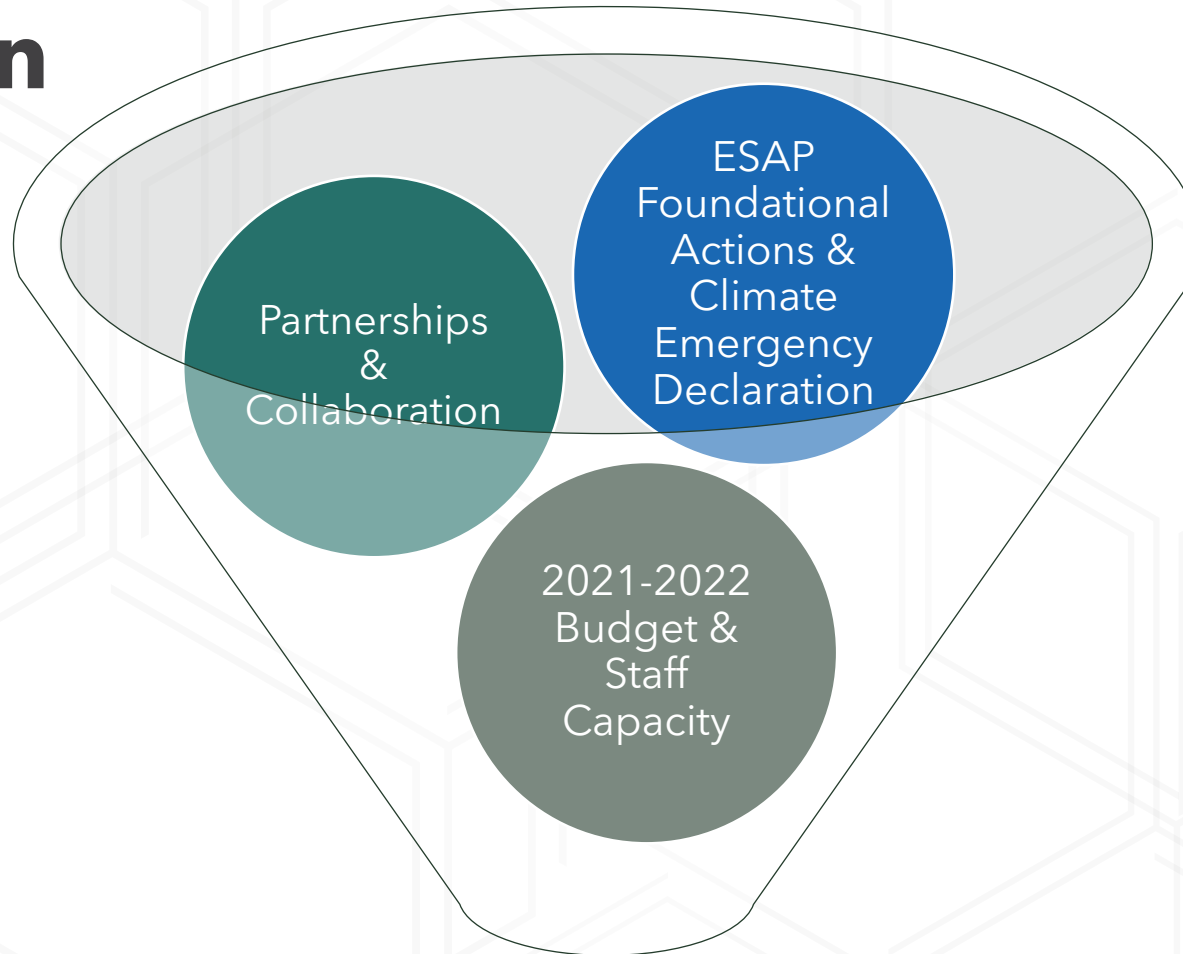


**Q4  
2021**

Dashboard beta version launch

# ESAP Implementation Update

# Prioritization



**2021-2022  
Implementation Strategy**





# 2021-2022 Key Objectives and Initiatives



**Foundational  
Programming**



**City  
Operations**



**Additional  
Priorities**



**Partnerships and  
Communications**

# Efforts Underway

- PSE Green Direct Phase II launch
- Carbon Neutrality Plan for City operations
- Solid Waste and Sustainability Administrator recruitment
- K4C and Eastside Cities Collaboration
- Tree planting
- Environmental Sustainability Advisory Committee
- Internal Sustainability Team



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# Next Steps

- **Q3 2021:** 2021-2022 ESAP Implementation Strategy to Council
- **Q3 2021:** Municipal Carbon Neutrality Strategy Study Session
- **Q4 2021:** 2020 ESAP Annual Report



# **Thank you**

Any Questions?

