



Climate Action Work Plan

Transportation Committee Meeting



October 24, 2022

Climate Action Work Plan



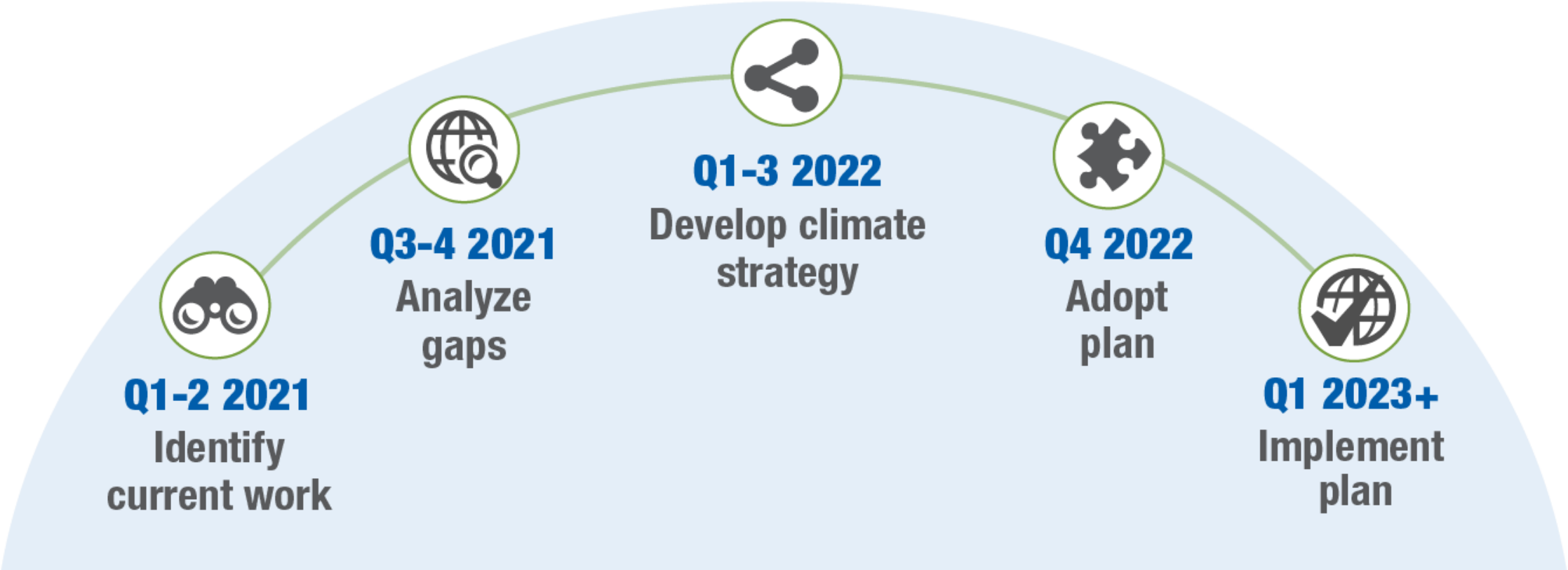
Purpose of the plan

- Builds on our existing climate work and unifies our efforts across the Council
- Defines commitments, strategies, and actions that will strengthen our ability to deliver services to the region
- Moves us forward on a pledge we made in *Thrive MSP 2040* to become a climate leader

Developing the plan



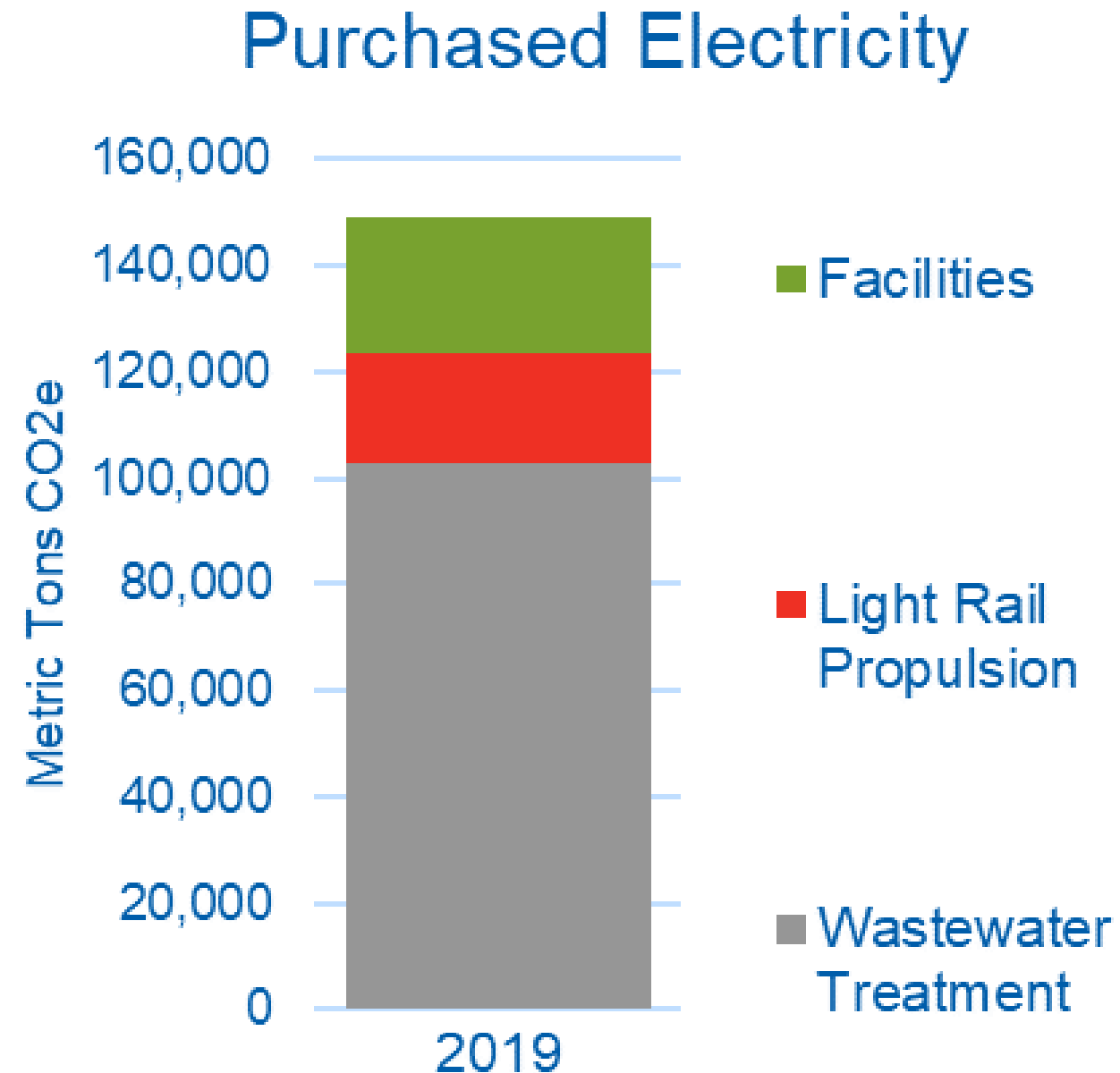
PROJECT TIMELINE



Our emissions: Purchased electricity

Leading source of our emissions

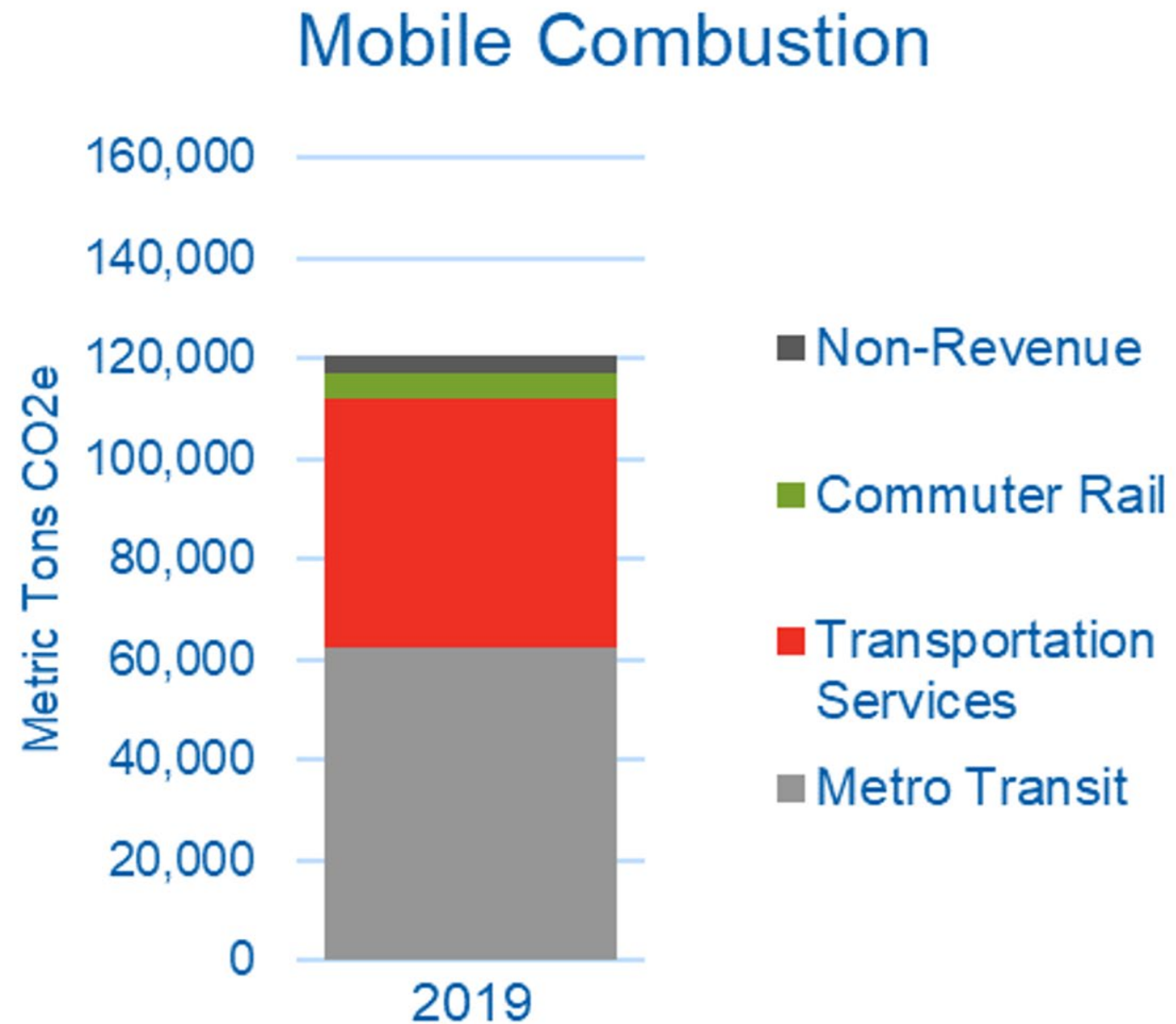
- Electricity powers our wastewater treatment plants, bus garages, light rail operations, and administrative offices.



Our emissions: Mobile combustion

Fossil fuels power our vehicle fleets

- Metro Transit and Metro Mobility buses
- Commuter rail
- Nonrevenue vehicles, such as maintenance trucks



Climate plan basics

Part of effort across state agencies

- Dovetails with Minnesota Climate Action Framework
- Internal to our planning and operations; it is not a regional climate action plan
- Five-year time frame
- Lays the groundwork for more action beyond 2027
- Organized by commitments, strategies, and actions



Commitments and strategies



**Commitment 1:
We will incorporate
environmental justice
principles as we plan,
implement, and evaluate our
climate action work**

Mitigation: Reduce Council emissions

**Commitment 2:
We will accelerate emissions
reductions from our operations
to achieve carbon neutrality**



Mitigation: Reduce regional emissions



**Commitment 3:
We will accelerate regional
emissions reduction through
existing and new
partnerships**

Adaptation: Reduce risks and build resiliency at the Council



Commitment 4:
We will reduce risks and impacts of climate change hazards to our facilities and services

Adaptation: Reduce risks and build resiliency in the region

**Commitment 5:
We will support
and collaborate
with partners to
advance regional
climate adaptation
efforts**



MTS Planning Actions



Priority 1

- Develop prioritization criteria and supporting data sets for where and what type of **public charging is needed** to advance electric vehicle ownership within the region.
- Implement **improved greenhouse gas estimates** in regional solicitation project selection process so that evaluations can better consider climate mitigation and evaluate how greenhouse gas estimates might be included in the 4-year Transportation Improvement Program
- Work with MnDOT and other transportation partners to create a framework and process to **allocate** regional federal funds in the **Carbon Reduction program** in order to maximize carbon reduction.

MTS Planning Actions



Priority 2

- With cities, counties, MnDOT, MPCA, and others, explore development of **regional climate actions**.
- Consider adoption of a regional **Vehicle Miles Traveled (VMT)** reduction target and the development of supporting policies and strategies when completing the next regional Transportation Policy Plan to support state's adopted target and strategies.
- Convene regional partners to identify opportunities to collaborate on the **pursuit of State and Federal funding** opportunities that accelerate regional emissions reductions.
- Climate vulnerability assessment?

MTS Contracted Services Actions



Priority 1

- Develop a Zero Emission Vehicle Transition Plan for Metro Mobility, Transit Link, Contracted Fixed Route and Metro Vanpool services, including evaluation of electric vehicle charging and alternative fuel sources at private and regional provider garage facilities.

Priority 2

- Evaluate energy-efficiency strategies for MTS Contracted Services leased facilities, in conjunction with facility owner and utility service provider.

MT Mitigation Actions



Priority 1

- Establish division and facility-level energy performance targets and regularly report on progress.
- Continue to implement and follow the Metro Transit Zero Emission Bus Transition Plan.
- Develop division-specific inventories of energy-efficiency and building systems electrification opportunities and implementation priorities.

MT Mitigation Actions



Priority 2

- Develop an electrification and fuel economy improvement transition plan for nonrevenue fleet vehicles and off-road equipment.
- Develop a refrigerant management plan.
- Develop a renewable energy deployment plan.
- Seek out opportunities and strategies to enhance multimodal connections through facility and service improvements.

MT Adaptation Actions



Priority 1

- Evaluate the need and opportunity to enhance redundancy and resiliency of facility electric service and where necessary implement improvements. Enhancements may include secondary power feeds, backup generators, and energy storage.

Priority 2

- Convene cross-division workgroup on sustainable landscape practices to share lessons learned and expand green infrastructure and natural stormwater management at Council facilities.

Committee Discussion



As you have reviewed the actions:

- Do you have questions about any of the actions?
- Is there anything missing?
- Are there actions that appear to be more critical than others?
- Do you have questions about the capacity and resources needed to execute the actions?
- Other questions or thoughts you want to share?

Next steps for Climate Action Work Plan



Council committee schedule

- Oct. 12 – First presentation to Council
- Oct. 13 – TAB Transportation Policy Working Group
- Oct. 20 – TAB Funding and Programming Committee
- **Oct. 24 – Transportation Committee**
- Nov. 2 – TAB Technical Advisory Committee
- Nov. 8 – Environment Committee
- Nov. 9 – Management Committee
- Nov. 16 – Transportation Advisory Board
- Nov. 16 – Committee of the Whole
- Dec. 14 – Council considers final plan approval



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