

Minneapolis Climate Action Plan



Environmental Justice Working Group

September 19, 2012 | Meeting 1

Agenda

- 4:00 – 4:10** **Greetings & introductions**
- 4:10 – 4:15** **Agenda review & approval**
- 4:15 – 4:45** **Review roles, responsibilities & schedule**
EJ Working Group, Technical Working Groups, Steering Committee
- 4:45 – 5:15** **Summary of Climate Action Plan work to-date & technical working group strategies**
- 5:15 – 5:55** **Discussion of Environmental Justice review:**
What's the best way to generate, collect and organize the EJ working group's comments on the proposed strategies?
- 5:55 – 6:00** **Next steps**



Minneapolis Climate Action Plan

INTRODUCTIONS



Minneapolis Climate Action Plan

WORKING GROUP ROLES & SCHEDULE

Why are we here?

Updating the Climate Action Plan

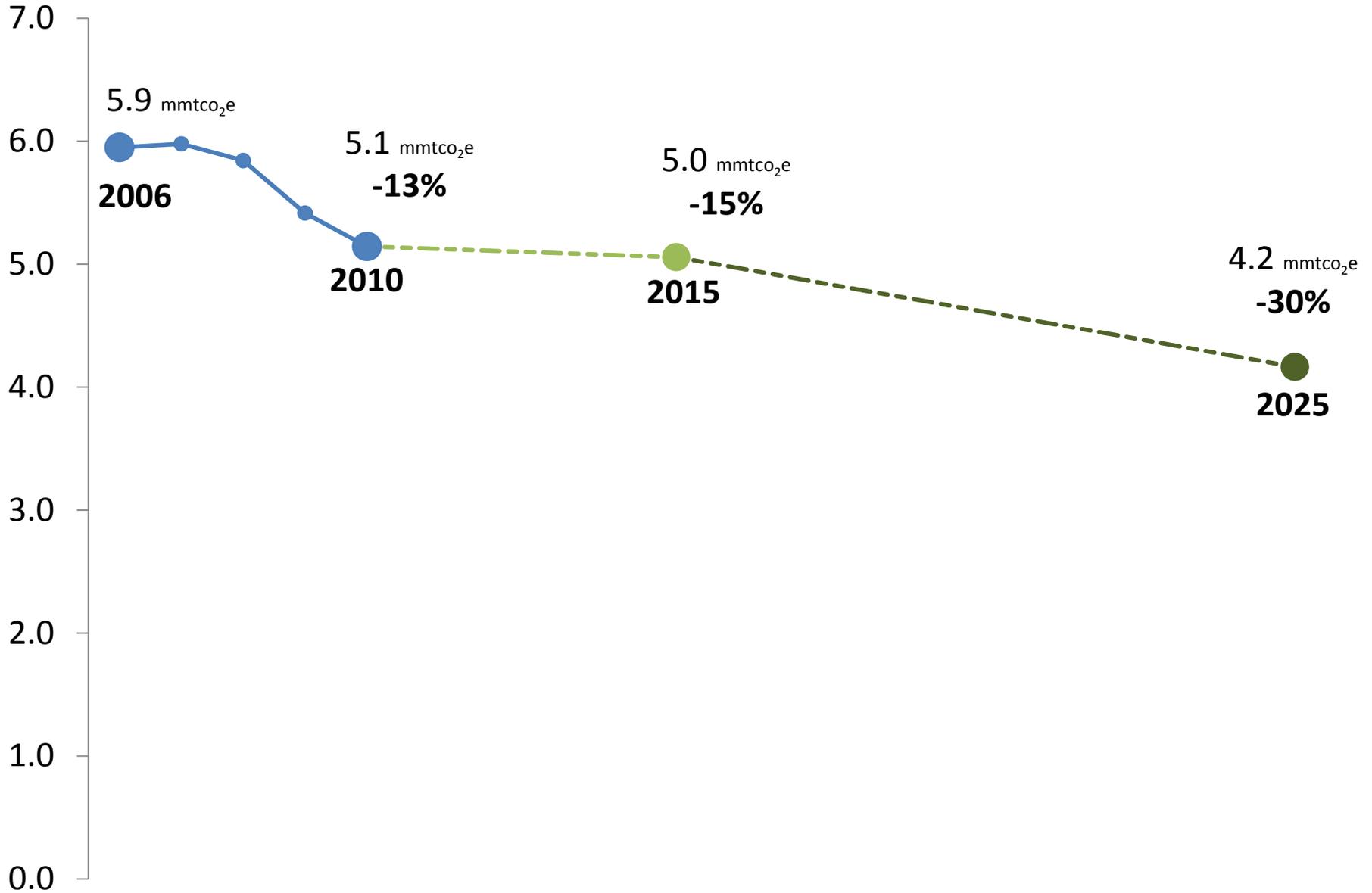
To do our part to reduce ***the causes*** of global climate change to avoid dangerous climate impacts.

Why are we here?

Updating the Climate Action Plan

- This effort is in response to adopted City goals and specific targets for greenhouse gas emissions reduction
- The plan will incorporate and complement existing initiatives already underway that address emissions reduction
- Final product: **a set of goals and a list of recommended strategies from each focus area that can guide Minneapolis towards our emissions reduction targets**

Minneapolis Community GHG Reduction Targets





Technical Working Groups' Role

1. Understand emissions from each sector (Transportation/L.U., Buildings, Waste)
2. Understand existing policies, plans and initiatives
3. Develop potential emissions reduction strategies and apply *evaluation criteria*
4. Communicate with organization/constituents
5. Recommend a strategy package to the Steering Committee

EJ Working Group's Role

1. Review goals & strategies from each Technical Working Group (Transportation/L.U., Buildings, Waste)
2. Assess the impact of goals & strategies from an environmental justice and social equity perspective
3. Communicate with organization/constituents
4. Report to the Steering Committee on the potential positive, negative and disparate impacts of the goals & strategies and suggest changes

Steering Committee's Role

1. Review the working groups' recommendations
2. Provide staff with guidance on remaining public outreach events
3. Provide staff with guidance on a final set of goals & strategies
4. Review the draft plan
5. Make a recommendation to the City Council's Regulatory, Energy & Environment Committee

Where We Are Today

- Technical working groups have devoted hundreds of volunteer hours to reviewing existing plans, potential greenhouse gas impacts, and generating and vetting strategies



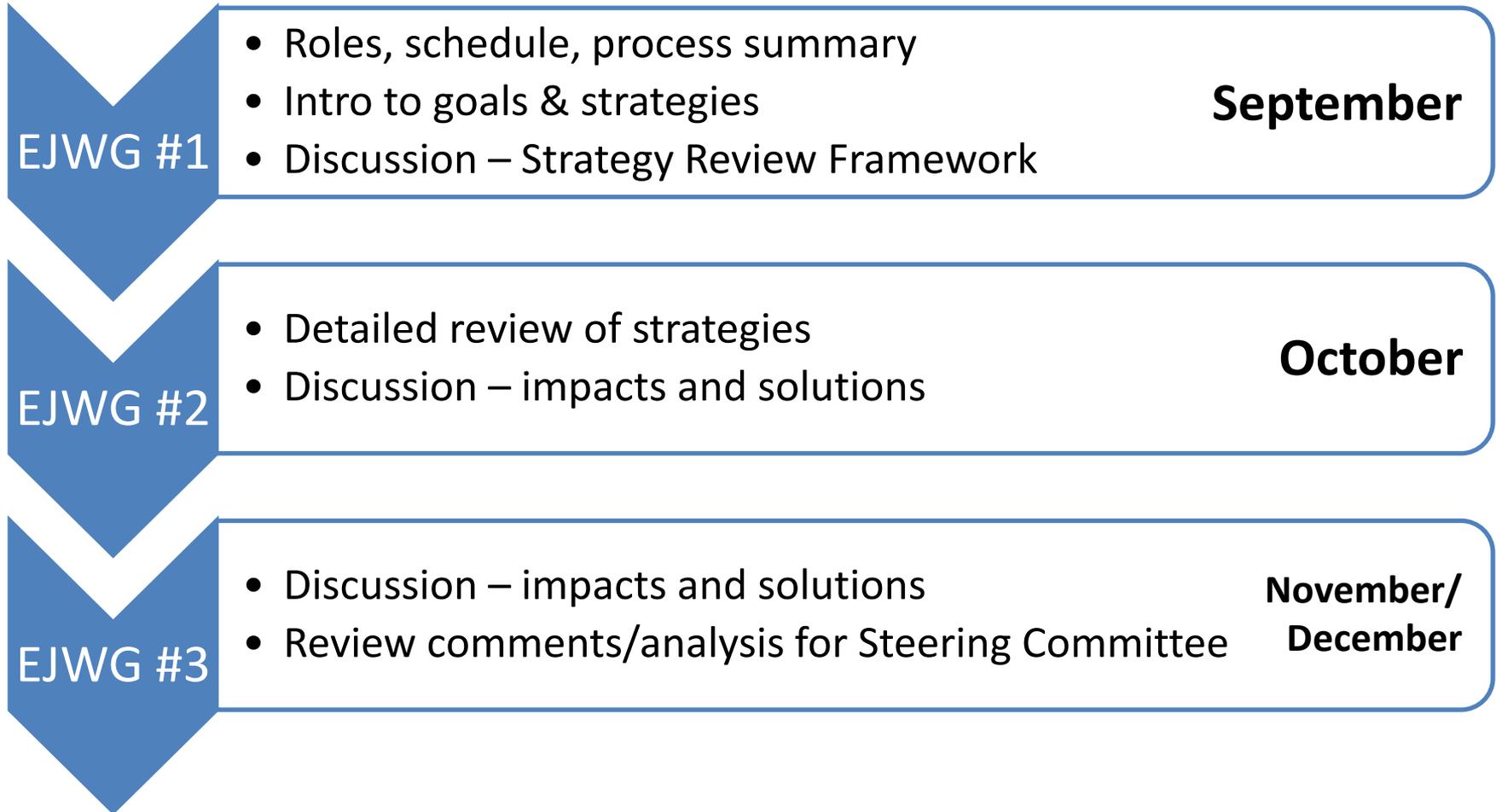
Where We Are Today

- Working groups have **87 specific recommendations** across 17 key strategy areas organized under **12 goals**
- Staff have developed greenhouse gas emissions projections based on “business-as-usual” and plan goals
- Staff have collected feedback through an online survey, community outreach events and from City’s appointed environmental committee

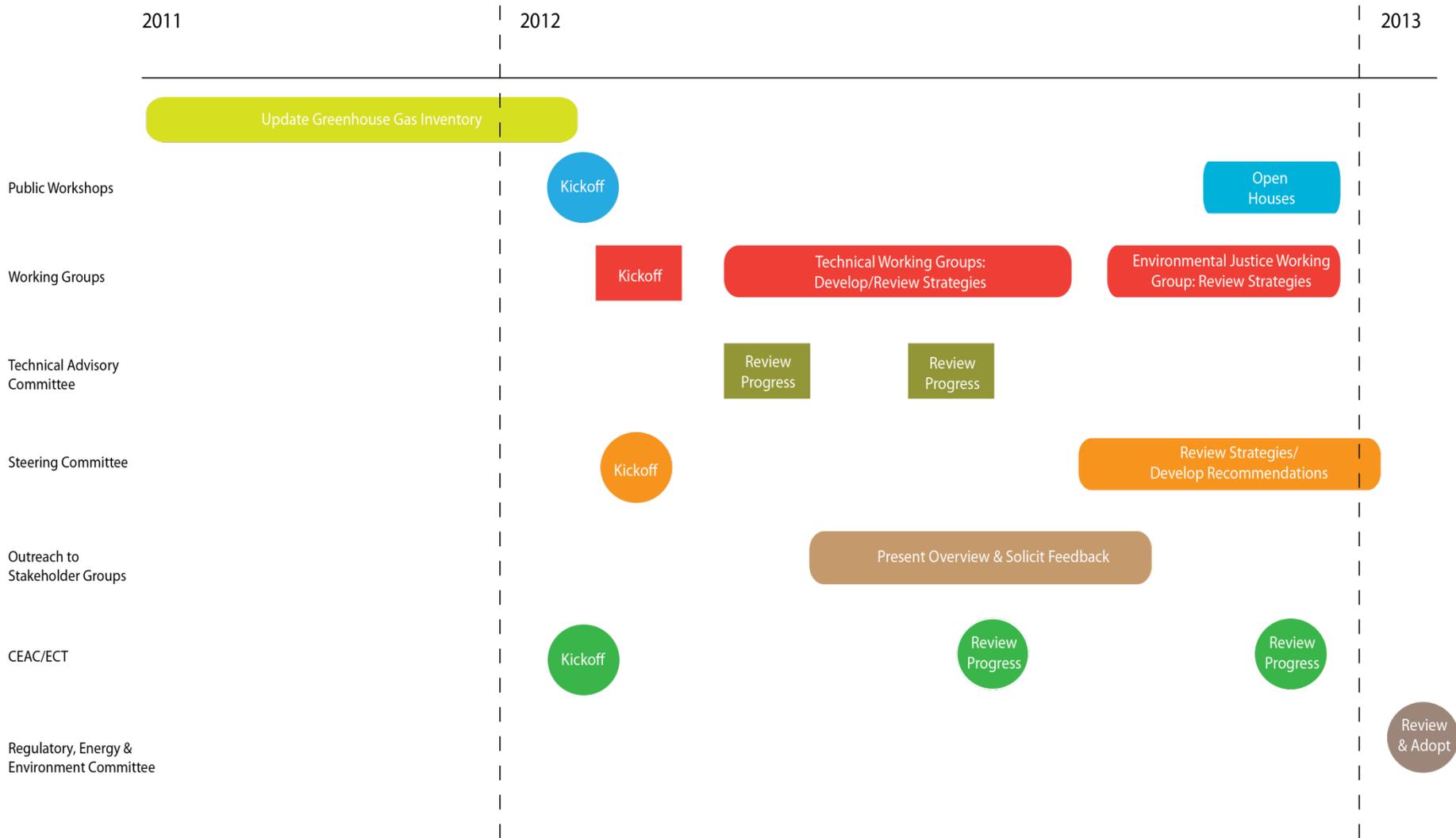
Where We Are Going

- Steering Committee will review goals & strategies in detail (Fall)
- A review of goals & strategies from a **public health lens** will be presented to the Steering Committee (October)
- **EJ Working Group** will review goals & strategies and report to the Steering Committee (December)
- Public outreach events (October/November)
- Recommendation of a final plan (December)

DRAFT EJ Working Group Schedule



Climate Action Plan Timeline

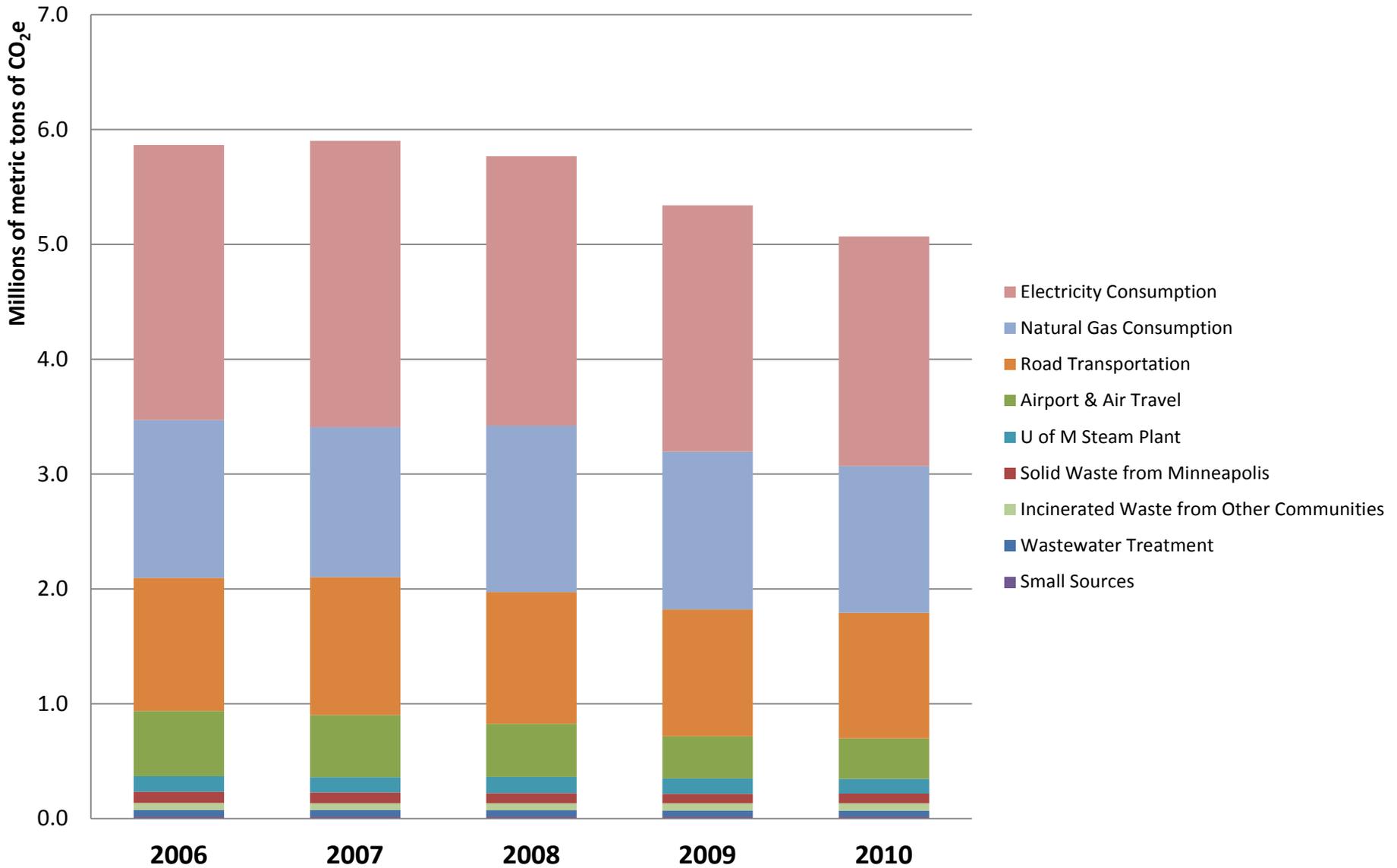




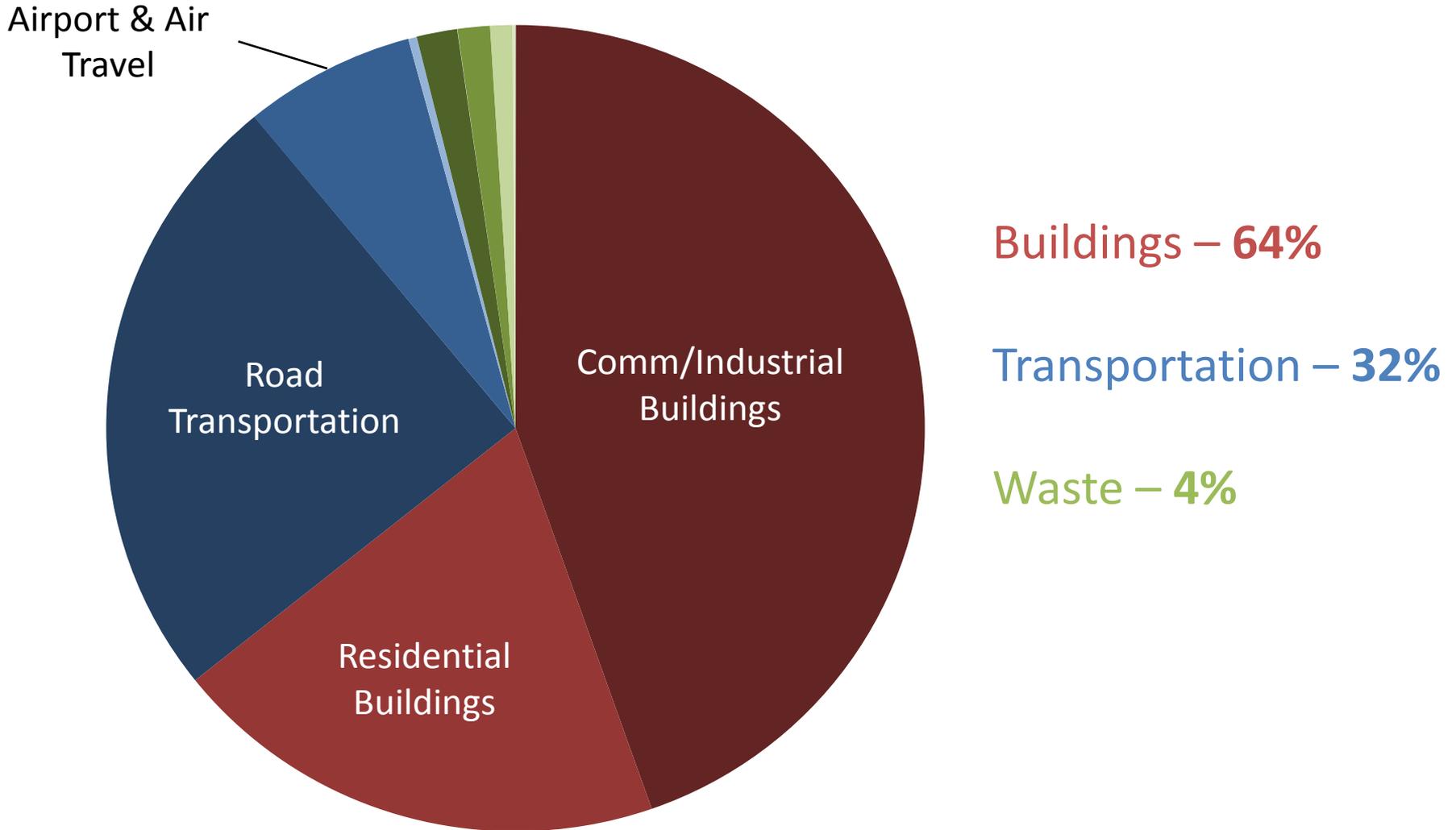
Work-to-Date

EMISSIONS INVENTORY, GOALS & STRATEGIES

Minneapolis Community GHG Inventory by Source



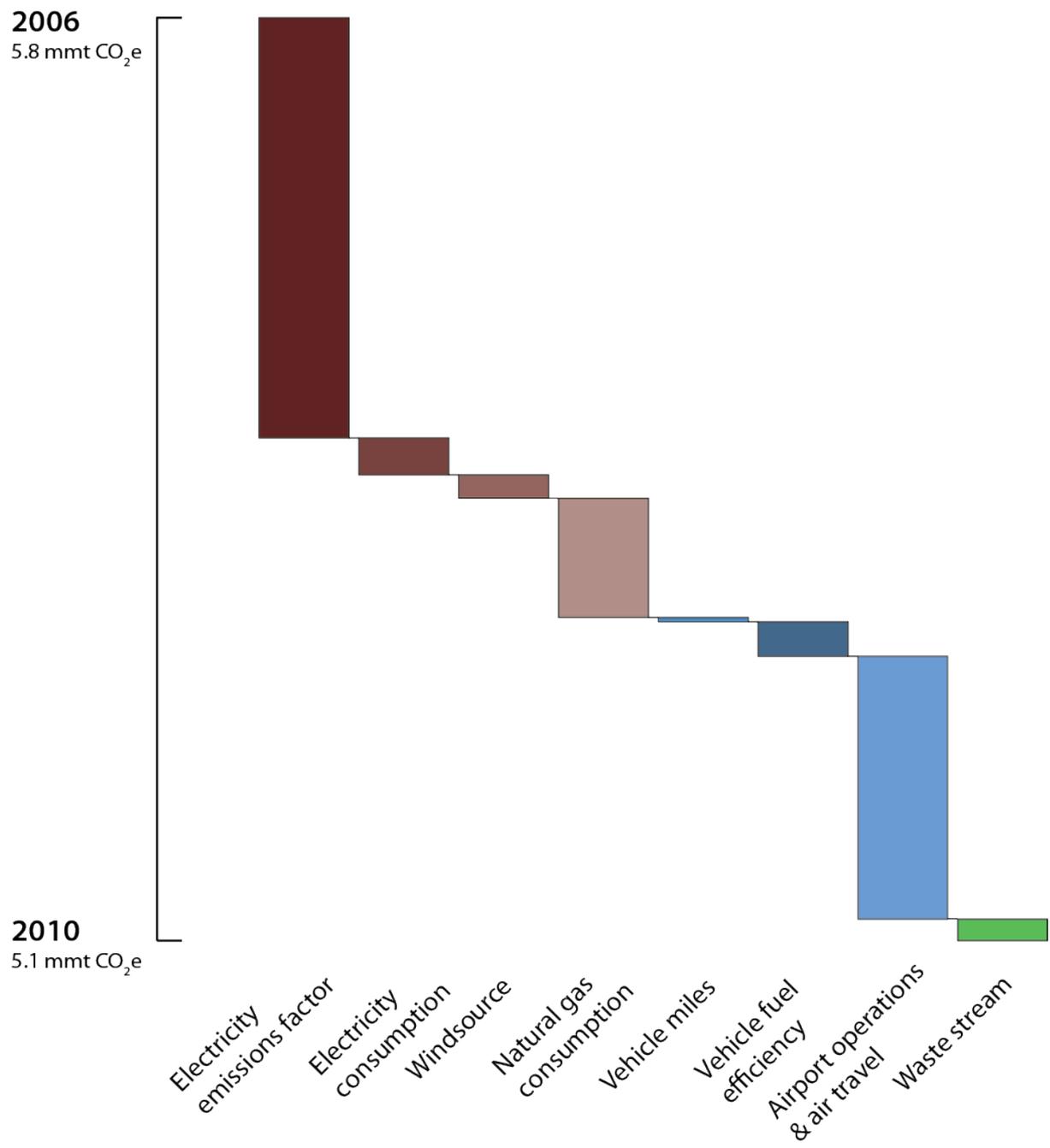
Minneapolis 2010 Community GHG Inventory by Sector



Key Findings

- Energy use in buildings was the largest source of GHG emissions, representing **64 percent of the total**.
- Transportation was the second largest source of GHG emissions, representing **32 percent of the total**.
- Emissions from waste, including landfill, waste incineration and wastewater treatment processes, represent 3.8 percent of the total GHG emissions in 2010.
- Emissions have dropped since 2006, for a number of reasons.

GHG Emissions Change Factors 2006 - 2010



Plan Organization



DRAFT Climate Action Plan Goals

Minneapolis will meet the adopted 2015 and 2025 greenhouse gas emissions reduction targets

While meeting emissions reduction targets, Minneapolis shall:

1. Seek multiple benefits (cost-reduction, emissions reduction, health impacts, public education, etc.) with an understanding that there may be trade-offs
2. Prioritize high-impact, short timeframe, cost-effective strategies
3. Not create disparate impacts across Minneapolis communities and target strategies to communities that could most benefit
4. Monitor progress annually and revisit goals and strategies as necessary
5. Move beyond mitigation and begin planning to adapt to a changing climate

Buildings & Energy

GOALS

1. Achieve **15 percent energy efficiency in residential buildings** from the growth baseline by 2025.
2. Achieve **20 percent energy efficiency in commercial buildings** from the growth baseline by 2025.
3. Increase **electricity from local renewables from 1.5 to 5 percent** of the total consumed by 2025.

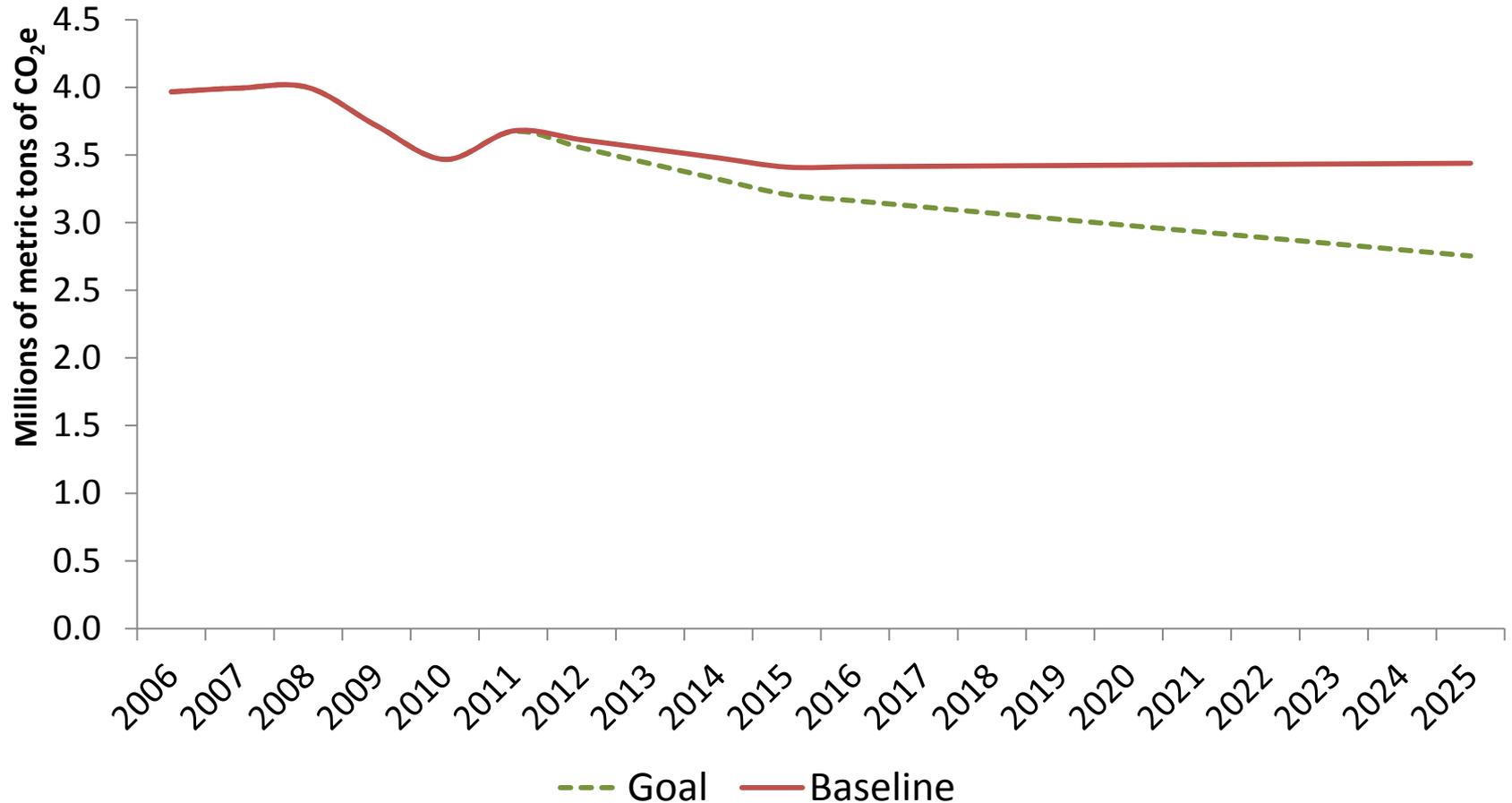
Buildings & Energy

STRATEGY AREAS

1. Cross-cutting
2. Residential
3. Commercial
4. Industrial
5. Renewable energy

Buildings & Energy

Buildings Sector Emissions – Baseline and Goals



Transportation & Land Use

GOALS

1. **Reduce automobile vehicle miles traveled in Minneapolis** while improving accessibility, increasing transportation choices and promoting and accommodating growth.
2. Support **livable, walkable, and growing neighborhoods** that meet the needs of all Minneapolis residents.
3. Increase the share of Minneapolis residents and workers choosing **non-auto modes** for commuting and other trips.
4. Through local action and federal and state legislation, support a transition to **cleaner fuels and more efficient vehicles**.

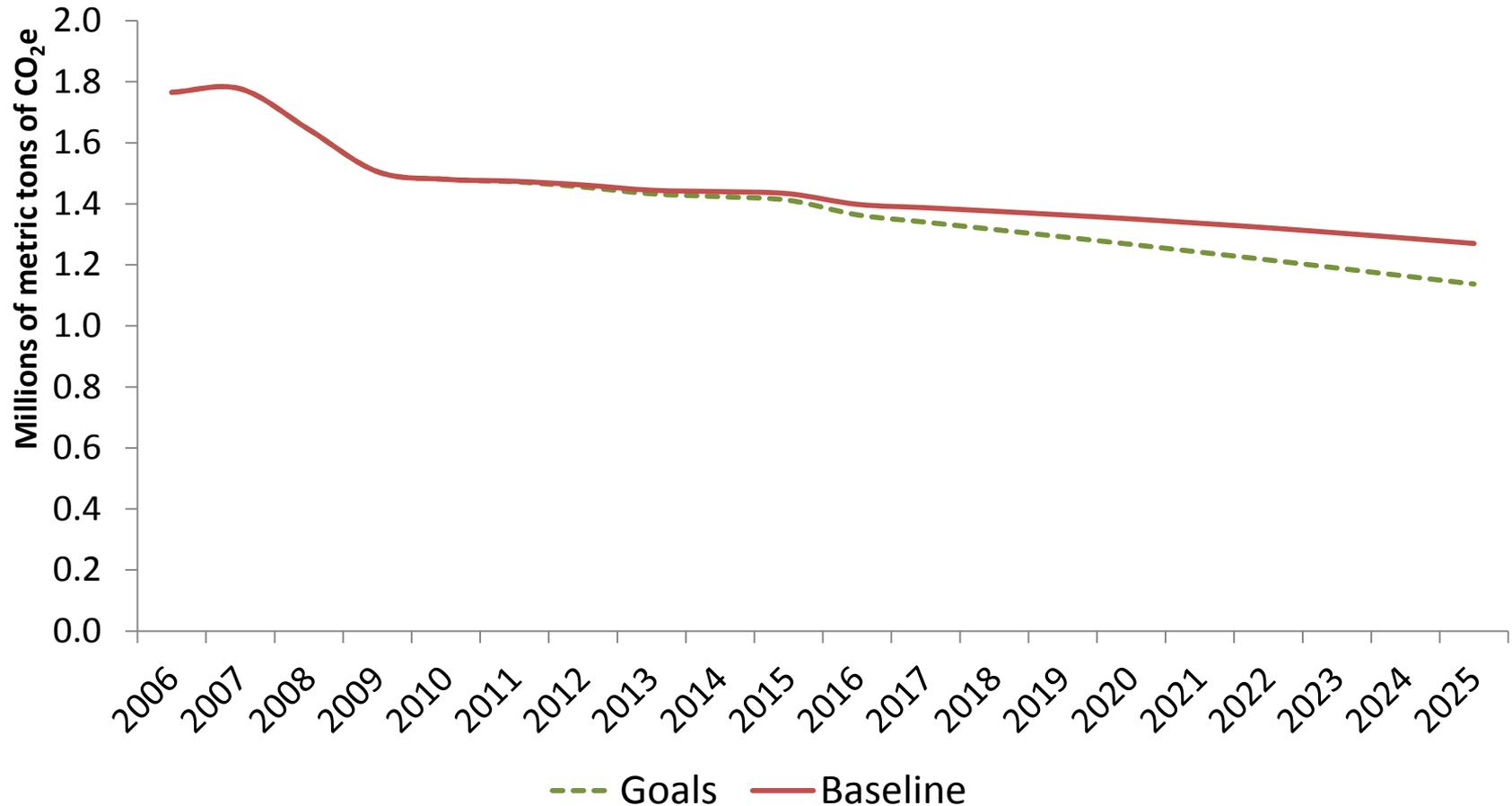
Transportation & Land Use

STRATEGY AREAS

1. Planning and Land Use
2. Transit & Car Sharing
3. Active Transportation
4. Parking Management
5. Transportation Demand Management
6. Clean Fuels
7. Other

Transportation & Land Use

Transportation Sector Emissions – Baseline and Goals



Waste & Recycling

GOALS

1. Achieve a **zero percent growth rate** in the total waste stream from 2010 levels.
2. **Recycle 50 percent of the waste stream** (commercial and residential) in Minneapolis by 2025.
3. **Increase organics collection to 15 percent** of the waste stream by 2025.
4. Support Metropolitan Council Environmental Service's goal to **reduce energy use by 25 percent** below 2006 levels by 2015.
5. **Increase awareness of the lifecycle impacts of products** to address GHGs occurring outside the community.

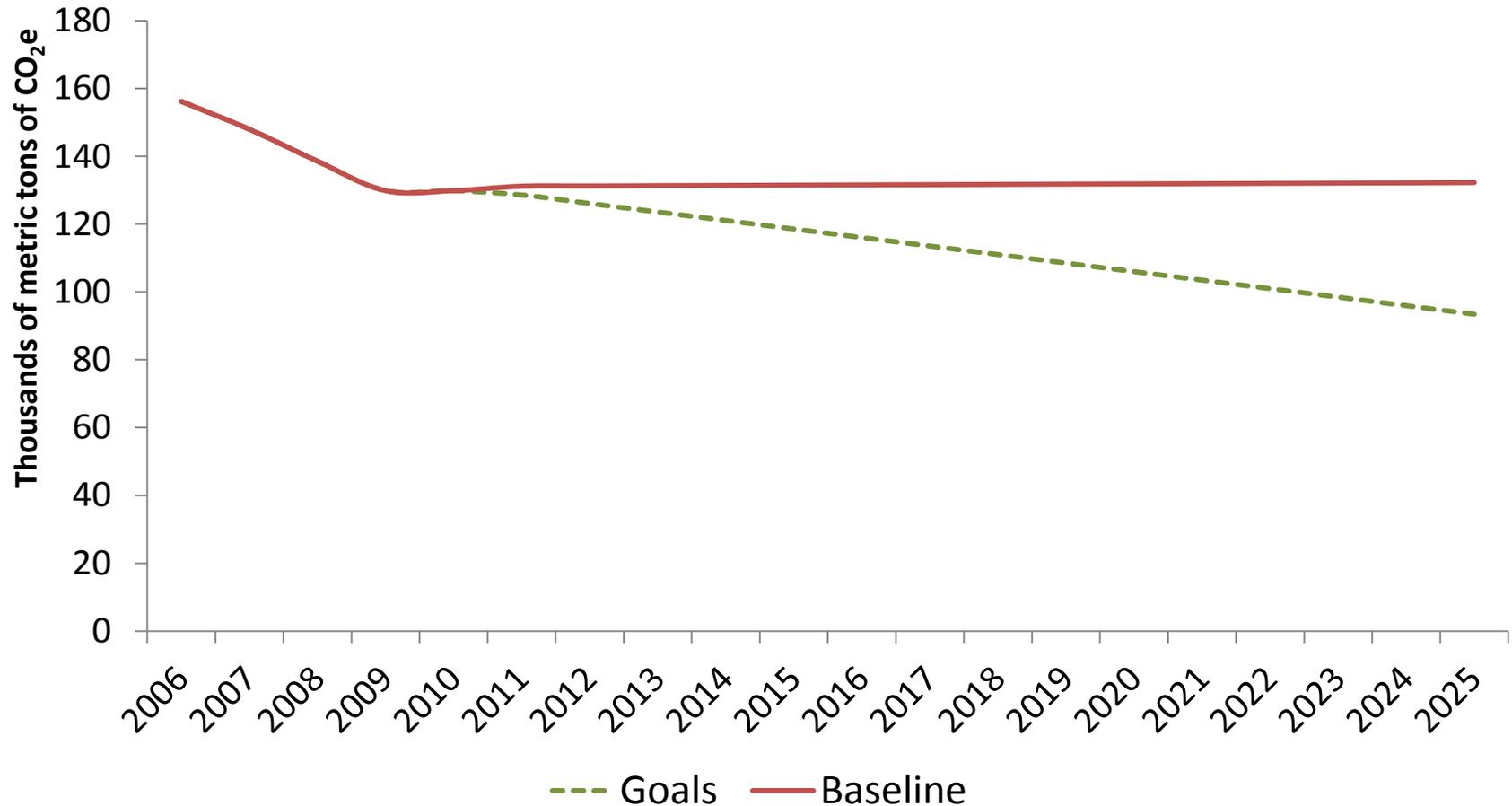
Waste & Recycling

STRATEGY AREAS

1. Waste Reduction
2. Recycling
3. Organics
4. Product Lifecycle
5. Wastewater Treatment

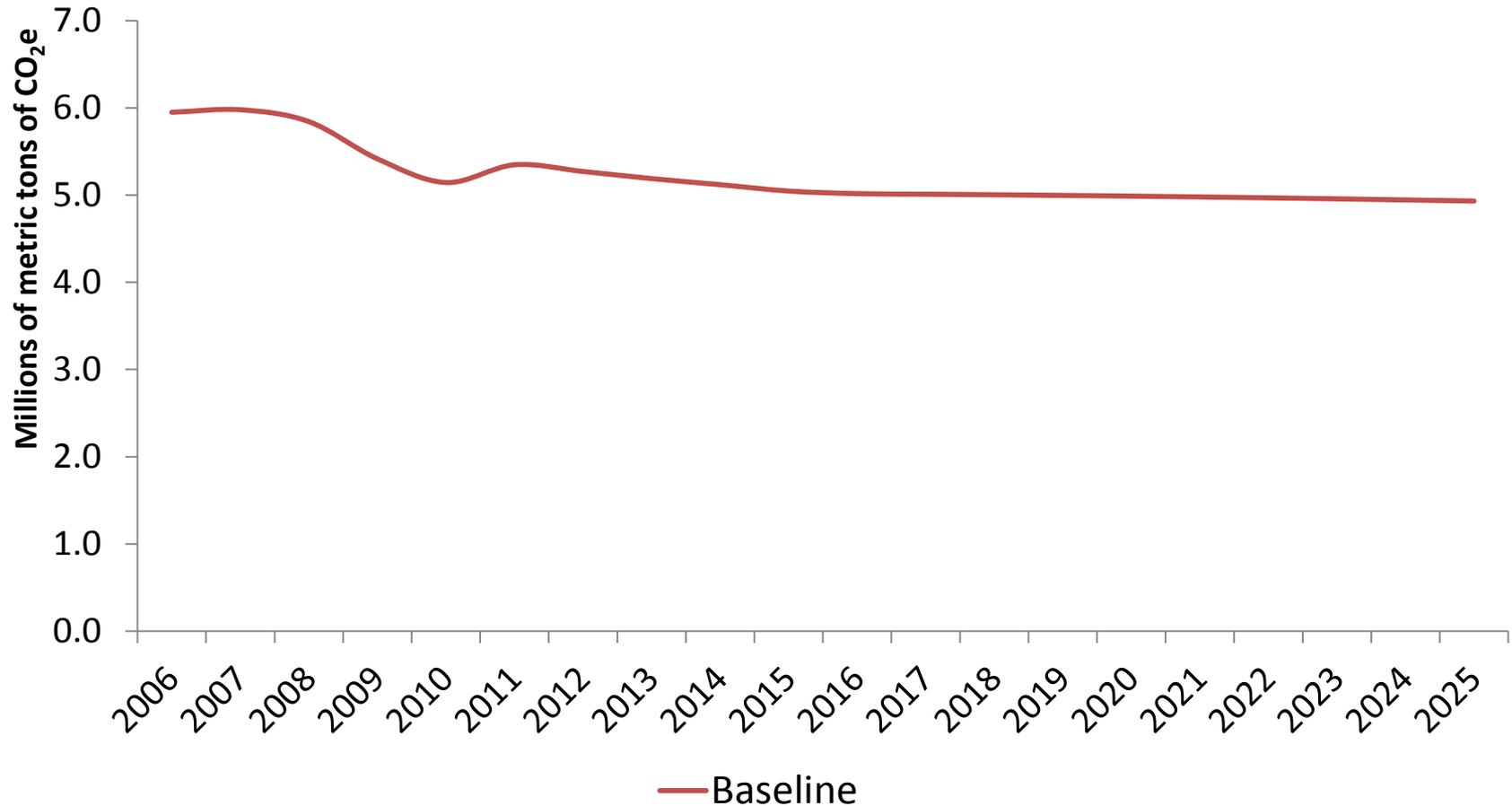
Waste & Recycling

Minneapolis Waste Emissions – Baseline and Goals



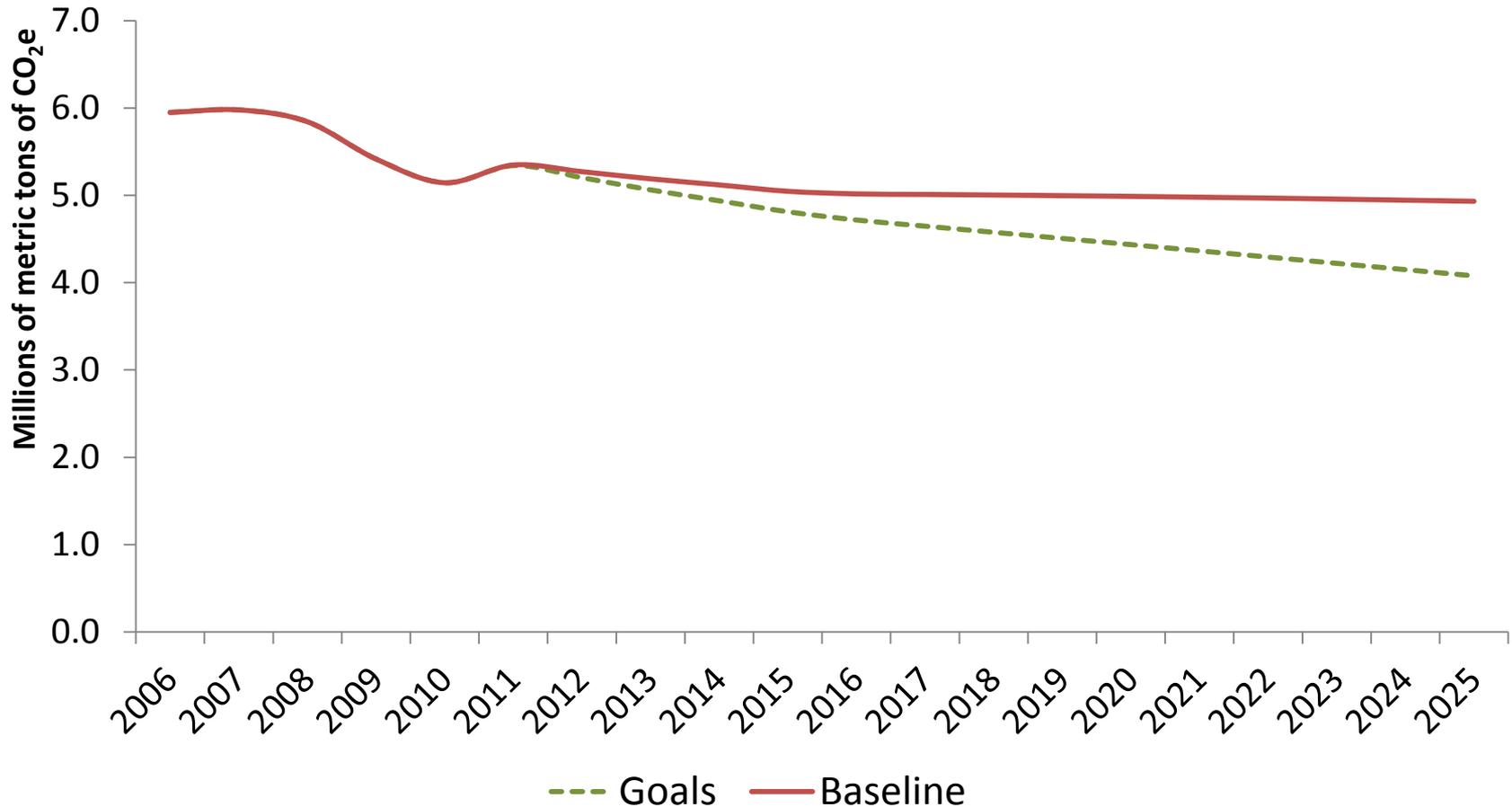
Climate Action Plan Impact

Minneapolis Emissions – Baseline and Goals



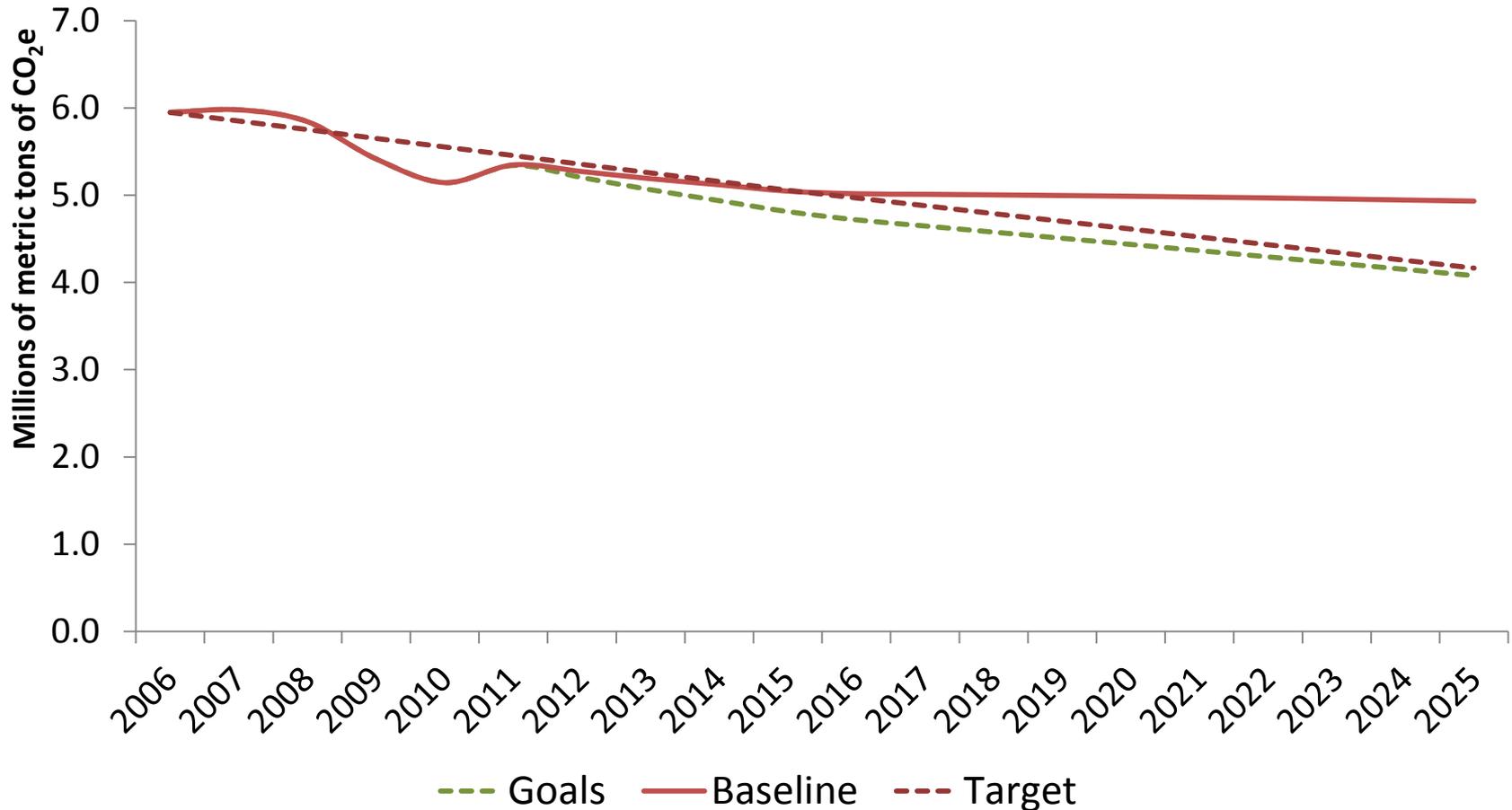
Climate Action Plan Impact

Minneapolis Emissions – Baseline and Goals



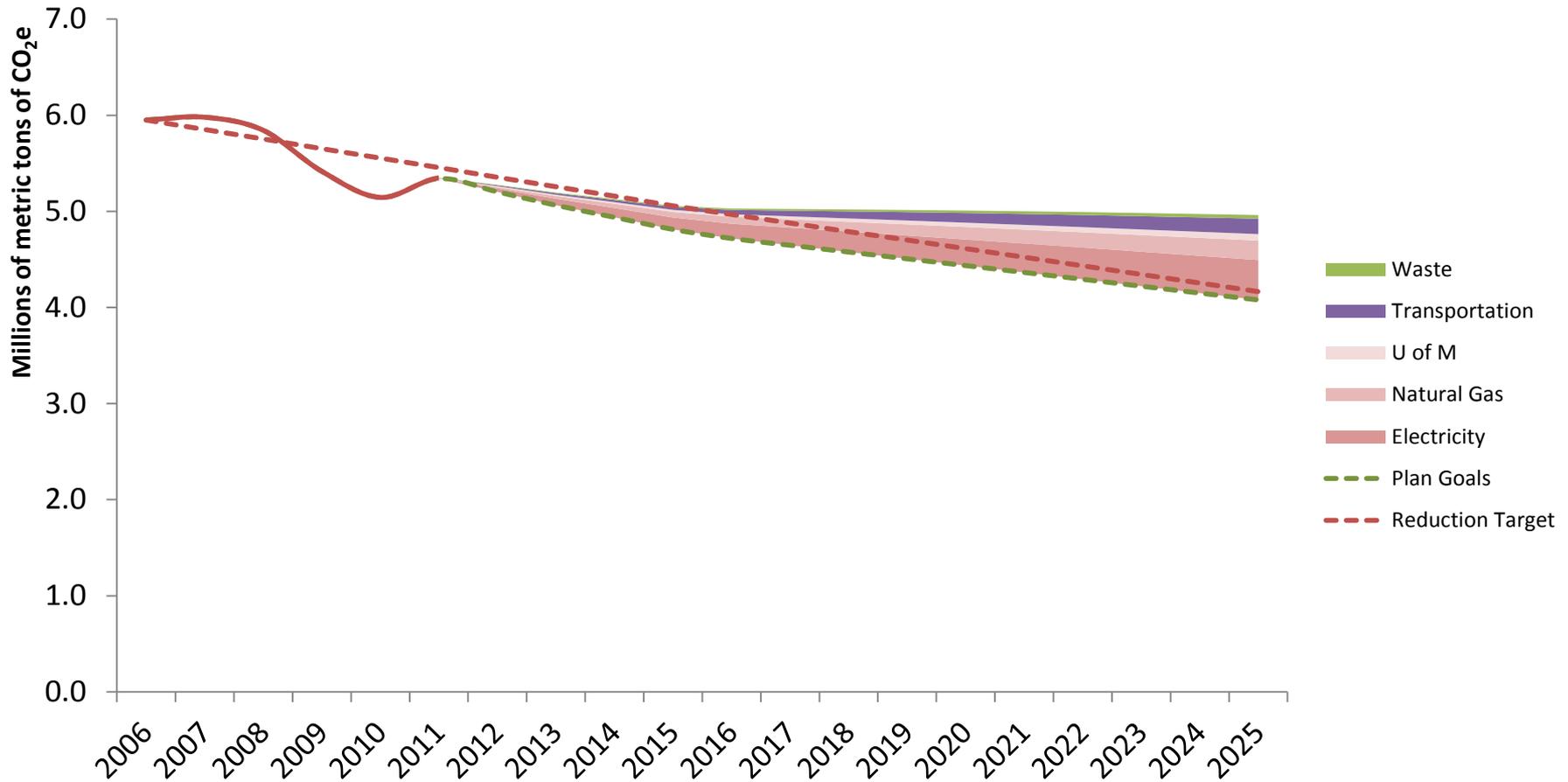
Climate Action Plan Impact

Minneapolis Emissions – Baseline and Goals



Climate Action Plan Impact

Emissions savings by sector, plan goals, and adopted reduction target





Minneapolis Climate Action Plan

DISCUSSION: ENVIRONMENTAL JUSTICE REVIEW

Proposed Process

- EJ Working Group members review all goals & strategies
- Detailed review and discussion of strategies at the next meeting – start from criteria worksheet
- Flag strategies, identify potential issues & solutions

Strategy:

“Help 75 percent of Minneapolis homeowners participate in whole-house efficiency retrofit programs by 2025.”

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Under a voluntary program, benefits may accrue more to certain neighborhoods or communities based on race, ethnicity or income level.

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Under a voluntary program, benefits may accrue more to certain neighborhoods or communities based on race, ethnicity, income level or housing type.

Potential Strategy Improvement:

Working with utilities and energy retrofit service providers, identify current use of programs and current home energy profiles. Work with providers to tailor programs to meet the needs of different communities. Track program use by community over time, adjust as necessary.

Next Steps

- Next meeting (October 17th?):
 - Detailed review of strategies based on EJWG discussion
- Staff will begin preparing for public outreach
- Next Steering Committee meeting – Friday, October 12th

Thank you!

www.minneapolisismn.gov/sustainability/climate

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