

CLIMATE ACTION TECHNICAL REPORT

**Supplement to the Kansas City Regional
Climate Action Plan:**

- ✓ **Updated Greenhouse Gas Inventory**
- ✓ **Updated Climate Risk & Vulnerability Assessment**
- ✓ **Pathway to net zero with costs**
- ✓ **Quantified benefits**
- ✓ **Workforce planning analysis**

Key findings:

1

Measures that reduce pollution also benefit our region in tangible ways:

- **Better community and environmental health** through dramatically reduced air pollution, more active lifestyles, green space and more healthy, comfortable buildings.
- **Strengthened economy**
 - \$25 B net benefit to the region
 - Over 230,000 new jobs over the next 25 years
 - Lower household energy and transportation cost
 - Reduced healthcare costs and total damages from emissions

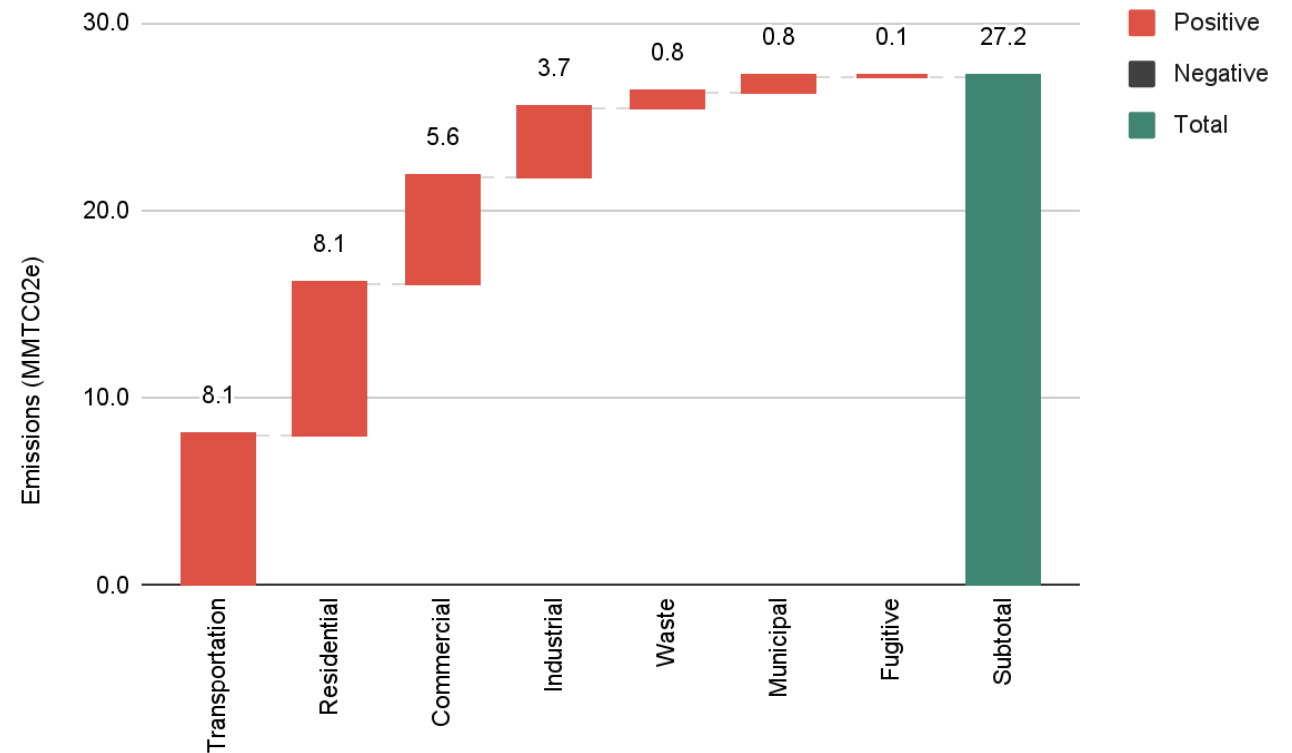
Key findings:

2

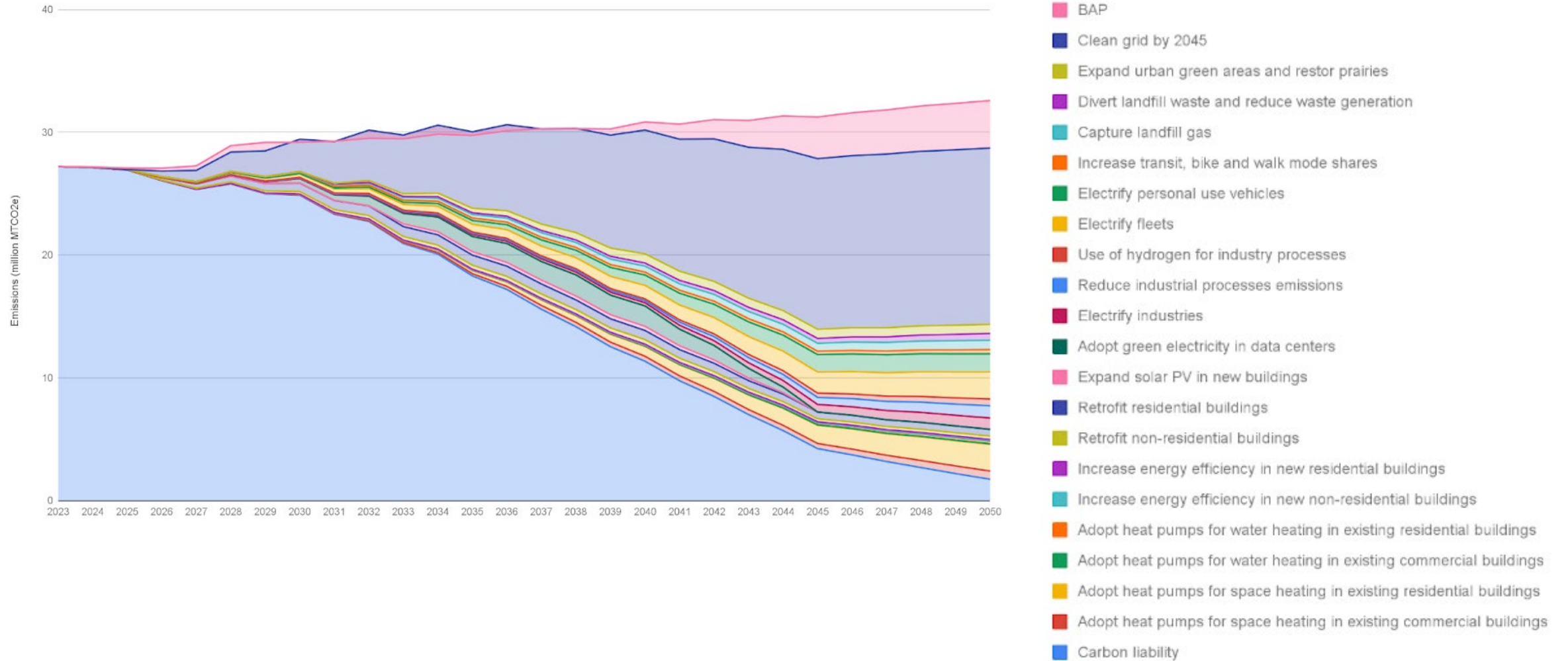
Our 2023 emissions is 27.2 MMTCO₂e.

Sixty-percent of emissions come from **transportation and residential buildings.**

Greenhouse Gas Inventory



Projected emissions reductions by measure, 2023-2050



Key findings:

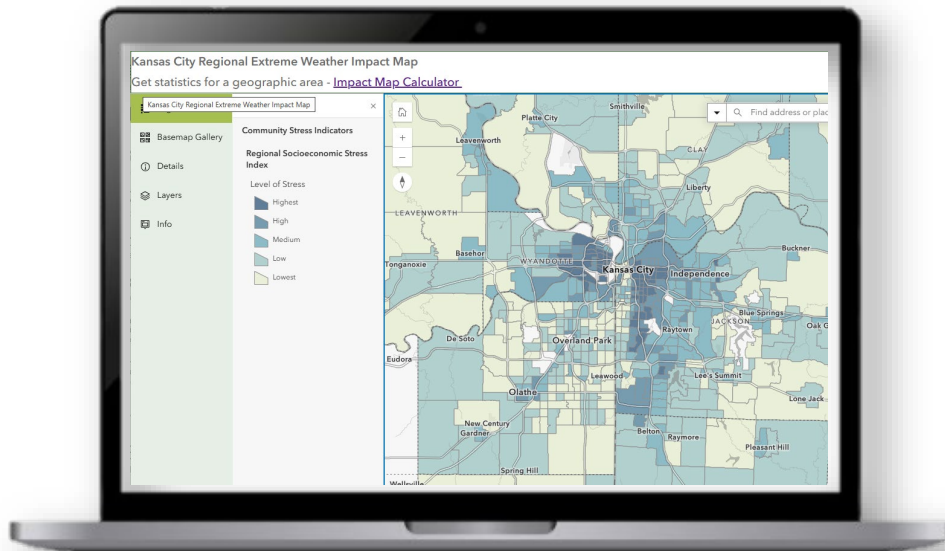
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Natural hazards of most concern are **extreme heat** and **flooding**—this is where intervention is needed most to reduce impacts to our region.

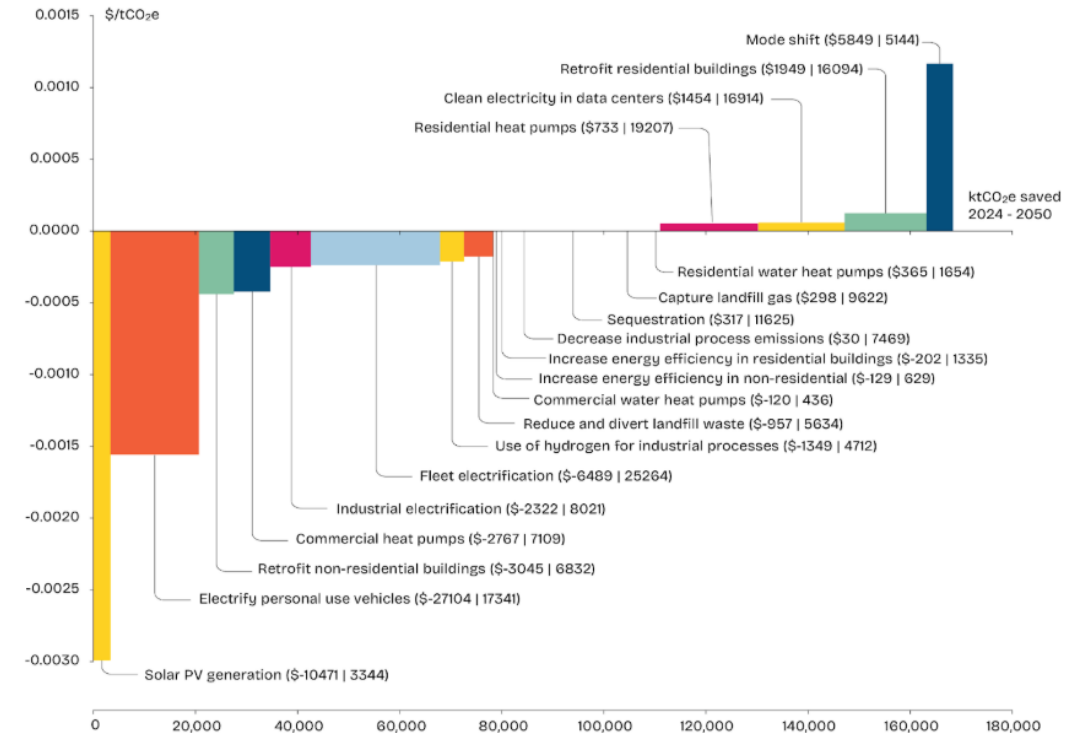


How the report supports local action

- Tools and data
- Policy and programming priorities
- Cost-benefit information



Marginal Abatement Cost of Measures





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Next steps:

- ✓ Develop audience-specific playbooks
- ✓ Topical videos for outreach and education
- ✓ Staff training on scenario modeling
- ✓ Convene local government staff
to identify support needed for next big wins

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