



BREATHE

Reducing Emissions For A Resilient Region



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KNOXVILLE REGION

CLIMATE POLLUTION REDUCTION GRANT (CPRG)

COMPREHENSIVE CLIMATE ACTION PLAN (CCAP)

CCAP Engagement Kickoff



Agenda

- Meet the team behind the Knoxville region's CPRG program
- Learn about the CPRG program
- Learn about Knoxville's Priority Climate Action Plan (PCAP) and understand the development plan for the Comprehensive Climate Action Plan (CCAP)
- Get plugged into the 2024-25 engagement opportunities to shape climate action throughout the region

Meet the BREATHE Team



CITY OF KNOXVILLE



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KNOXVILLE REGIONAL



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PARTNERS

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About CPRG



The Climate Pollution Reduction Grants (CPRG) program provides nearly \$5 billion in grants to local governments, states, tribes, and territories to **develop and implement ambitious plans for reducing greenhouse gas emissions and other harmful air pollution.**

City of Knoxville awarded \$1 million to develop plan for metro area (MSA).

State of TN awarded \$3 million to develop plan for entire state.



TENNESSEE VOLUNTEER EMISSION
REDUCTION STRATEGY (TVERS)



March 2024

About CPRG

CPRG planning grants require awardees to produce Priority (PCAP) and Comprehensive Climate Action Plans (CCAP), as well as a final Status Report.



City
awarded
grant

PCAP
due

CCAP
due

Status
Report
due

2023

2024

2025

2026

2027

What have we done so far?

- Knoxville completed the **Priority Climate Action Plan (PCAP)** outlining initial climate status and priority climate measures in February 2024.
- The PCAP was informed by:
 - Advisory Committee feedback
 - Research and outreach efforts to help draft climate measures and ensure accuracy of GHG inventory.
 - Existing outreach and work done under the City of Knoxville Mayor's Climate Council (including Equity Working Group)

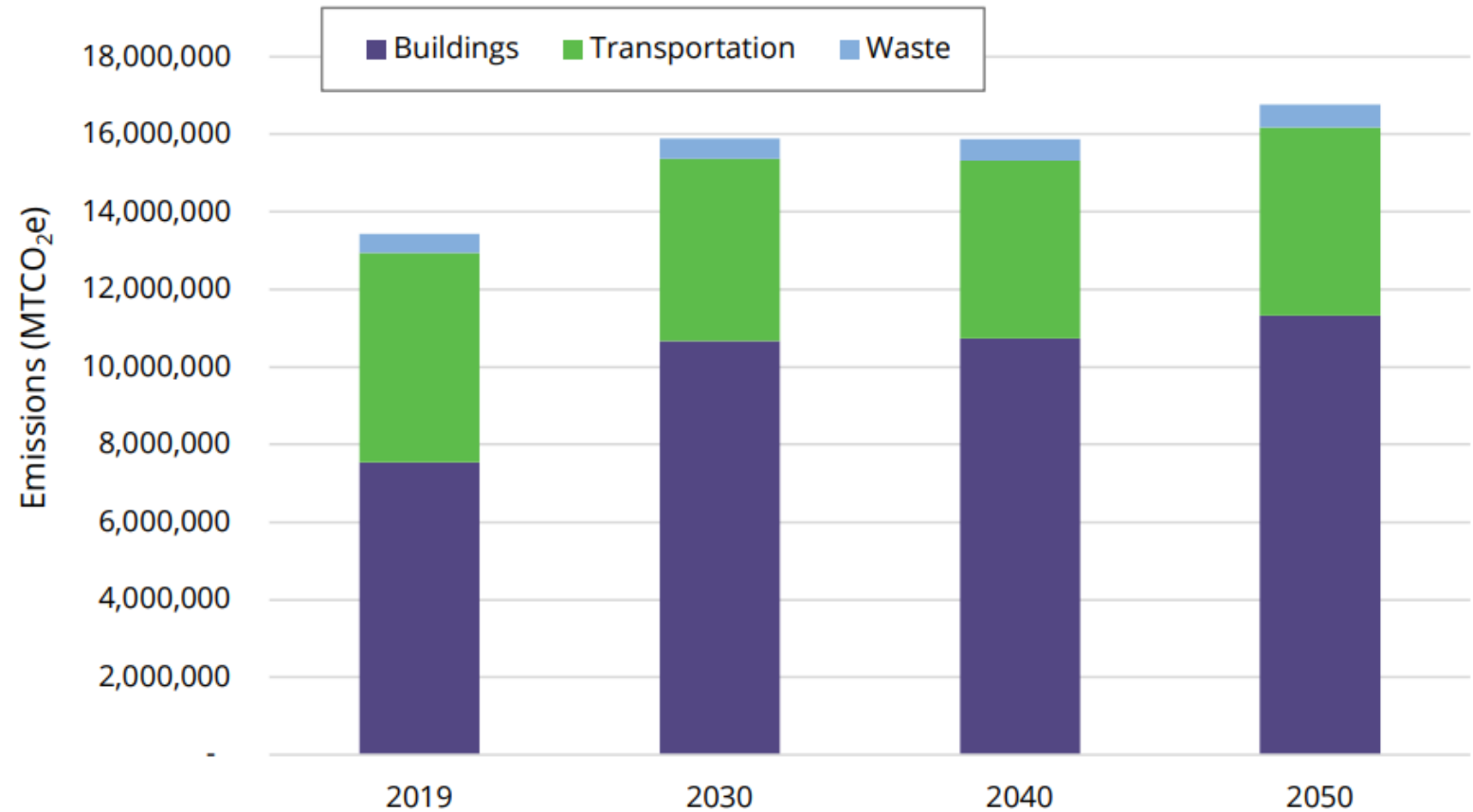
The PCAP was the first climate-planning document ever created for the Knoxville region/MSA.

Explore the PCAP at knoxbreathe.org/planning.

PCAP: GHG Inventory & Projections

The BREATHE team calculated a simplified greenhouse gas (GHG) inventory and projections that included buildings, transportation, and waste.

This analysis creates a baseline for emissions and sets the stage for effective, long-term climate planning in the region.



Knoxville MSA Business-As-Usual (BAU) Projections by Emissions Source

PCAP: Measures

The PCAP also laid out 7 priority GHG reduction strategies across building, energy/power, and transportation sectors.

The BREATHE team vetted potential measures to determine if they were near-term, high-priority, and implementation-ready.

For each of the 7 priority measures, we:

- Quantified their reduction to GHG and air pollutants
- Analyzed benefits to vulnerable populations

PCAP Measures

P1. Implement **energy efficiency upgrades** in residential, commercial, and public **buildings**.

P2. **Electrify** residential, commercial, and public **buildings**.

P3. Develop and invest in **clean and renewable energy**.

P4. Expand **electric vehicle infrastructure**.

P5. Transition to **electric and alternative fuel vehicles** in public fleets and provide access to **charging or fueling infrastructure**.

P6. Expand and improve **public transit**.

P7. Boost active transportation and the use of **alternative transportation systems**.

Next: the CCAP

- Knoxville Region is developing a **Comprehensive Climate Action Plan (CCAP)** to be completed in December 2025 as a part of the CPRG program requirements.
- **The CCAP will require economy-wide sector coverage**, meaning agriculture, waste, and more sectors for climate actions will be added to the plan. The CCAP will build and expand on the PCAP by:
 - Identifying significant GHG sources/sinks and sectors
 - Establishing near- and long-term GHG emission reduction goals
 - Identifying strategies/measures to achieve those goals with sector-wide coverage
 - Expanding community engagement and analysis of climate equity and workforce development
- This round of engagement from Fall 2024 - Summer 2025 will help develop the CCAP.

CCAP: Engagement Plan

Working Groups

- Sector-based gatherings to determine CCAP reduction measures and implementation considerations
- Opportunities for peer-to-peer learning across the region
- Year long, 4-rounds of sessions

General Public

- Region-wide survey to establish initial understanding of climate issues and community priorities
 - Public forums to educate on climate, hear public priorities, and promote the CCAP
- *Equity-centered outreach*

CCAP: Working Groups

Working groups will be on a self-selection basis and will weigh in on CCAP measures to reduce GHG emissions across the following sectors:



Buildings



Energy



Transportation



**Agriculture, Land-Use,
and Forestry**

Two separate working groups will also convene on special topics which include **equity** and **business/workforce development**. Members of these groups are welcome to join other sector working groups as well.

CCAP: Engagement Schedule



Fall 2024: Drafting GHG Reduction Measures

- Week of October 21th: Working Groups Round 1 (In-Person)
- Week of November 4th: Working Groups Round 2 (Virtual)
- After November 4th: Special Working Group Session on Equity and LIDAC*

Spring/Summer 2025: Plan Measure Implementation and Review Full CCAP

- Late Spring 2025: Special Working Group on Workforce Development*
- Late Spring 2025: Special Working Group on Equity and LIDAC*
- Summer 2025: Working Group Round 3
- Summer 2025: Working Group Round 4

Final CCAP due December 2025



Questions?

Please ask in the Q&A

Get involved!

Fill out the form to stay engaged.

- Join a working group(s) to make your voice heard
- Suggest other stakeholders to the BREATHE team
- Sign up for updates on CCAP progress
- Participate in peer-to-peer learning opportunities through “Green Bag” events
- And more!



<https://forms.office.com/r/9FmB7wU5ZJ>

**Thank you for attending,
and we look forward to collaborating with you!**



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