

OKLAHOMA CITY MSA

PRIORITY CLIMATE ACTION PLAN

FEBRUARY 2024



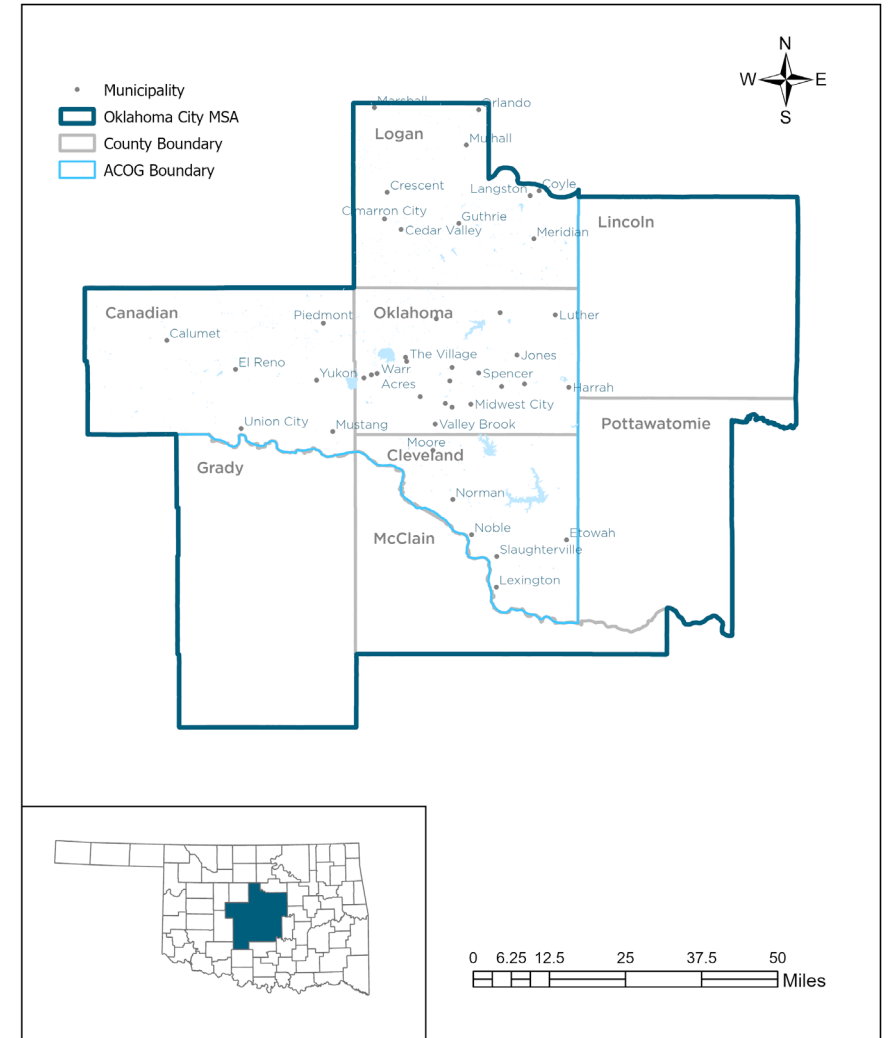
WHY ARE WE DOING THIS?

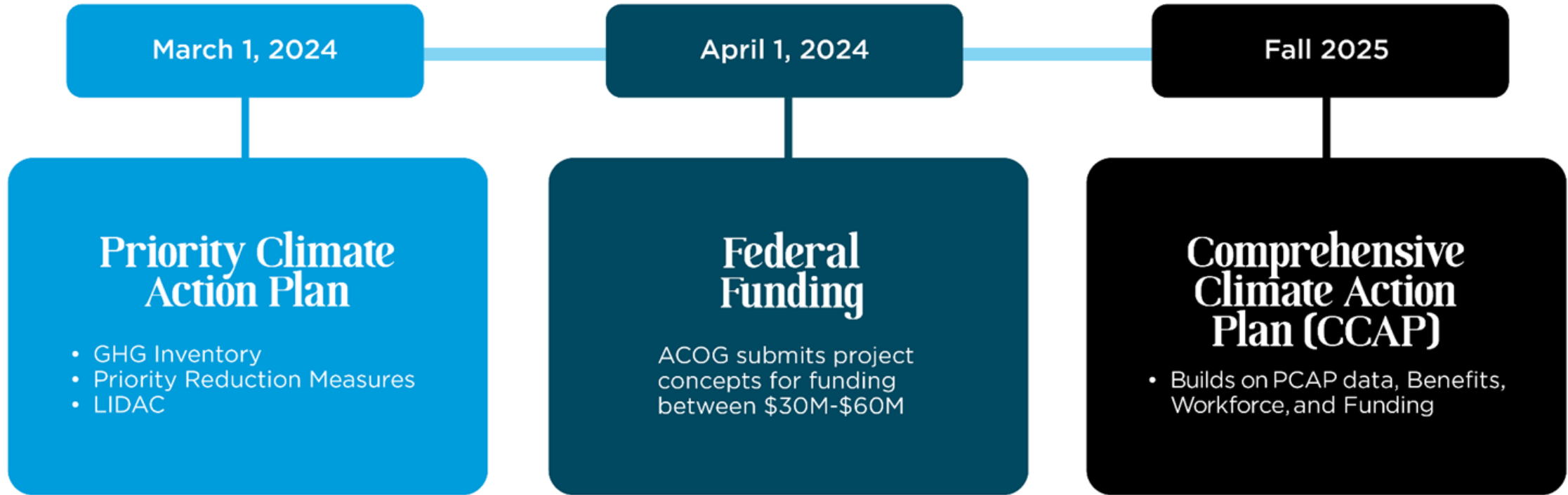
- Central Oklahoma is required to meet EPA standards for regulated pollutants including those required by the National Ambient Air Quality Standards
- The region is at risk of violating these standards
- The Priority Climate Action Plan identifies transportation as a significant contributor to greenhouse gasses and will help support reduction of ozone-forming emissions thus maintaining alignment with required air quality standards



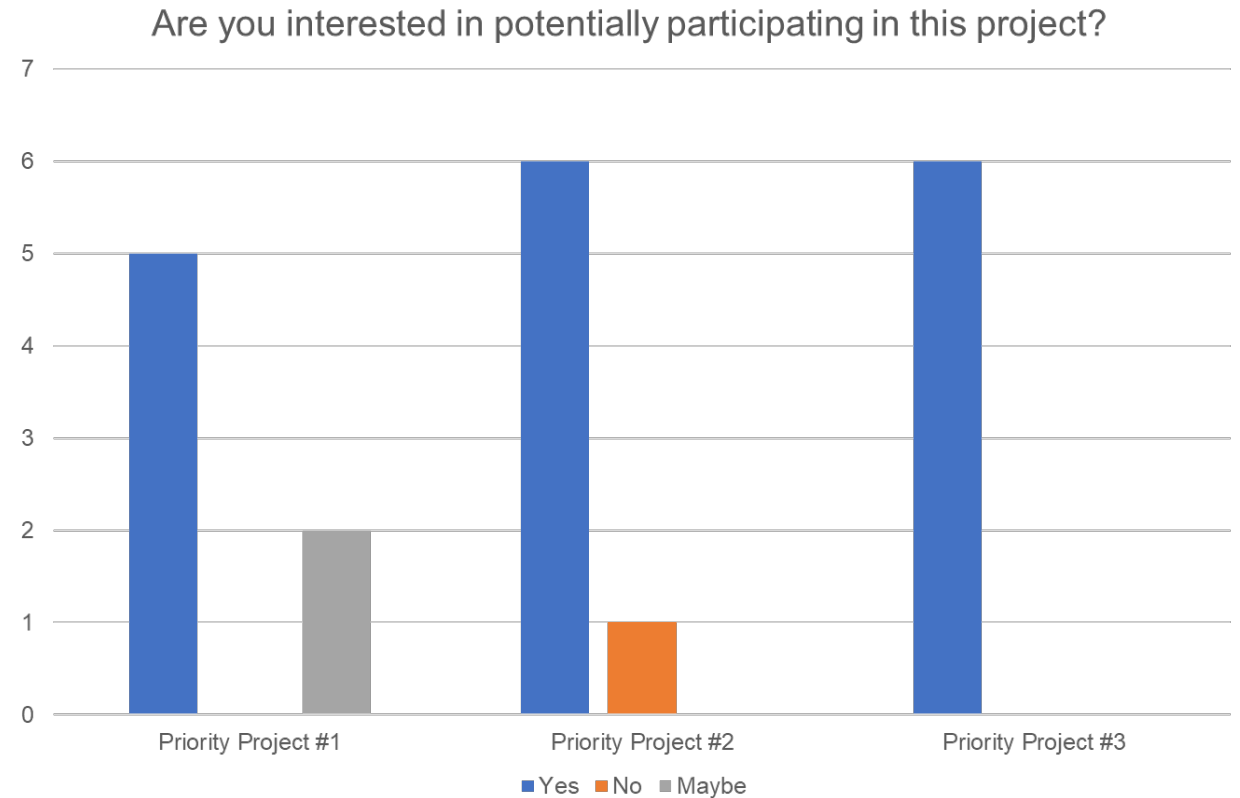
OKLAHOMA CITY MSA

- 8 counties
- 6,298 square miles
- 1,455,000 people
- 9 tribal jurisdictions (accounting for 29% of population)
 - Wichita-Caddo-Delaware
 - Chickasaw Nation
 - Cheyenne-Arapaho
 - Kiowa-Comanche-Apache
 - Sac and Fox Nation
 - Iowa Tribe
 - Kickapoo Tribe
 - Potawatomi Tribe
 - Absentee Shawnee Tribe



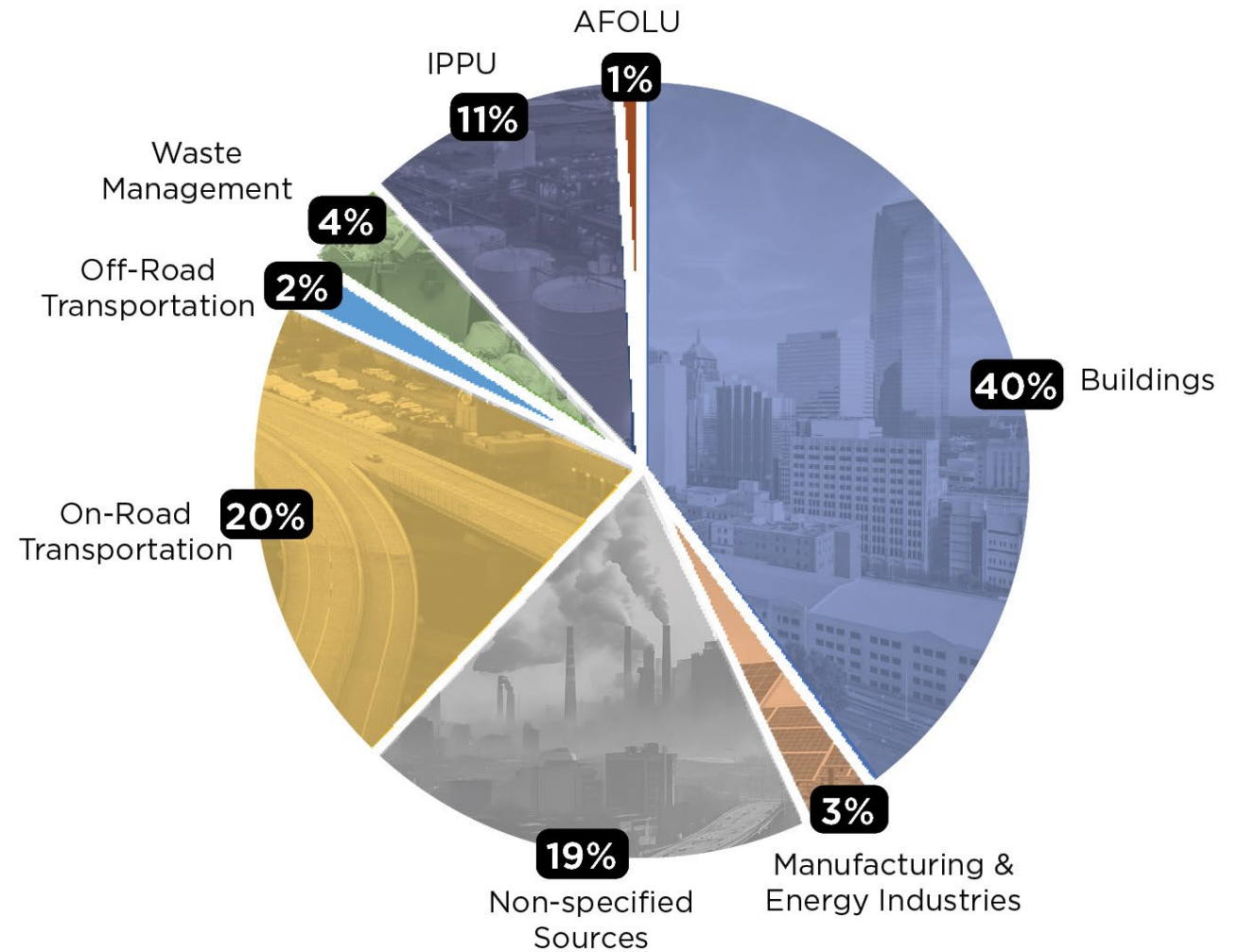


- State coordination with Department of Environmental Quality
- Individual meetings with businesses, organizations, municipal/county representatives
- December virtual survey
- January virtual survey
- 4 social media posts
- Stakeholder workshop #1
- Board of Directors overview
- Stakeholder workshop #2



EMISSIONS INVENTORY

- Annually 49,647,118 metric tons of greenhouse gasses emitted in the Oklahoma City MSA
- This accounts for 39.5% of the total emissions in the State of Oklahoma



FLEET & SCHOOL BUS ELECTIFICATION PROJECT

Sector:

- Transportation emissions

Goals:

- Convert light-duty gas powered fleet vehicles to electric vehicles
- Convert school busses manufactured before 2010 to electric busses

Components:

- 100 fleet vehicle upgrades, 20 bus upgrades



EMISSION REDUCTIONS:

Period	Light-duty Fleet Vehicles	School Busses	Combined Vehicles & Busses
Annual GHG Reduction	227,721 MtCO ₂ e	16,982 MtCO ₂ e	244,703 MtCO ₂ e
Total GHG Reduction 2027-2030	910,884 MtCO ₂ e	67,927 MtCO ₂ e	978,811 MtCO ₂ e
Total GHG Reduction 2031-2050	4,326,700 MtCO ₂ e	322,653 MtCO ₂ e	4,649,352 MtCO ₂ e

BUILDING DECARBONIZATION

Sector:

- Transportation emissions

Goals:

- Increase building efficiency
- Integrate workforce development

Components:

- Perform energy audits and upgrades on 20 buildings



EMISSION REDUCTIONS:

Annual GHG Reduction	1,060 MtCO ₂ e
Total GHG Reduction 2027-2030	4,124 MtCO ₂ e
Total GHG Reduction 2031-2050	20,146 MtCO ₂ e

NATURE-BASED SOLUTIONS FOR CARBON SEQUESTRATION

Sector:

- Agriculture, forestry, and land use

Goals:

- Create carbon sinks

Components:

- Plant 10,000 trees



EMISSION REDUCTIONS:

Annual GHG Reduction	92 MtCO ₂ e
Total GHG Reduction 2027-2030	367 MtCO ₂ e
Total GHG Reduction 2031-2050	1742 MtCO ₂ e

- Grant application due April 1, 2024
- Up to 5-year project period
- Request will be between \$45M and \$49.9M
- Funding to support ACOG staff, project
- Estimated project start date is October 1, 2024
- Anticipated that 6-30 grant awards will be awarded within the ACOG budget request range



THANK YOU!

Eric Pollard

Air Quality & Clean Cities Manager

O: 405.778.6175

epollard@acogok.org

acogok.org

