
Austin Climate Equity Plan

September 2020

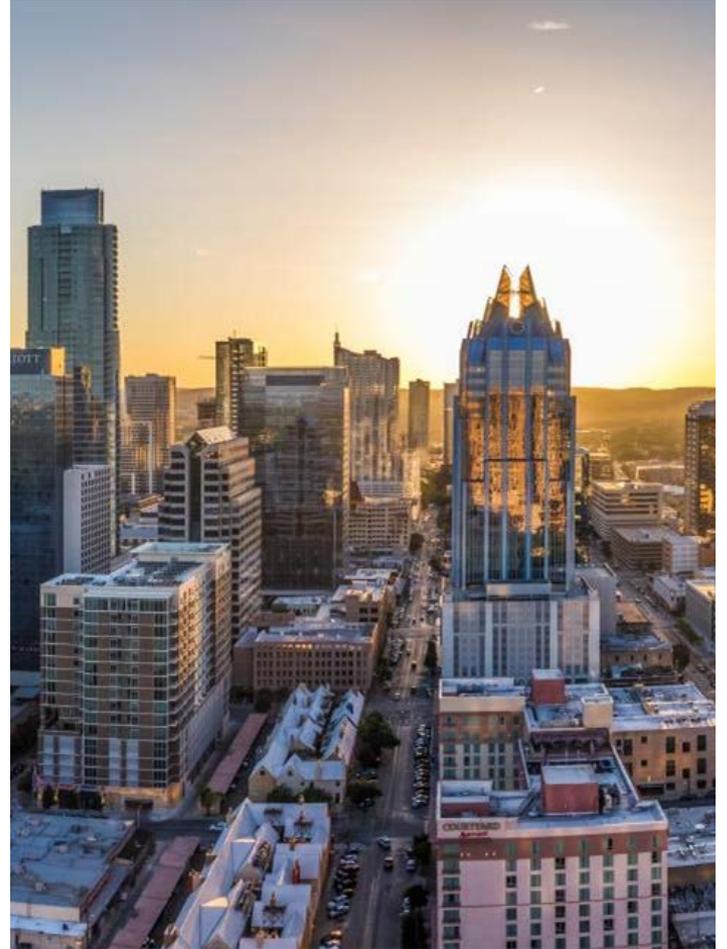


OFFICE OF
SUSTAINABILITY

CITY OF AUSTIN

Summary

- We've been updating the Community Climate Plan
 - First draft has been internally reviewed
 - Draft for public comment out now
 - Council in October
- What we're looking for from you:
 - Comments
 - Areas of Interest
 - Pledge of Support



2015 Community Climate Plan

Adopted by Council in June 2015



Austin COMMUNITY
2015
CLIMATE PLAN



Electricity & Natural Gas

Transportation & Land Use

Materials & Waste
Management

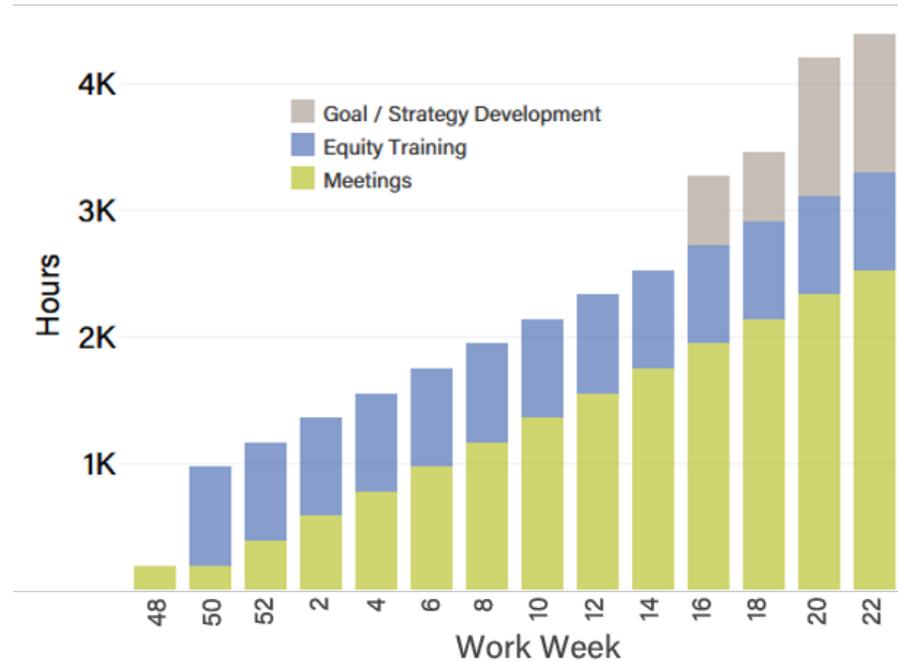
Industrial Processes

*135
qualitative
actions
directed at
departments*

How was this plan update created?

- 24 City Staff
- 120 Community Members
(NGO, Govt., Business)
- 12 Ambassadors
- 4 Equity Trainings
- 5 Community Workshops (over 250 attendees)
- 14 Steering Committee Meetings
- 60+ Advisory Group Meetings
- 50+ Interviews by Ambassadors

Stakeholder Time Commitment



Steering Committee Members

Co-Chairs

Mayuri Raja, AZAAD, Google

Shane Johnson, Sierra Club

Katie Coyne, Asakura Robinson

Susana Almanza, PODER

Joep Meijer, Citizen

Jim Walker, Univ. of Texas

Rocio Villalobos, Equity Office

Drew Nelson, Mitchell Foundation

Rodrigo Leal, Guidehouse

Rene Renteria, Citizen

Kaiba White, Public Citizen

Lauren Peressini, Sunrise Movement

Shawanda Stewart, Huston-Tillotson Univ.

Kenneth Thompson, Solar Austin

Ben Leibowicz, Univ. of Texas

Suzanne Russo, Pecan Street Inc.

Pooja Sethi, Sethi Law

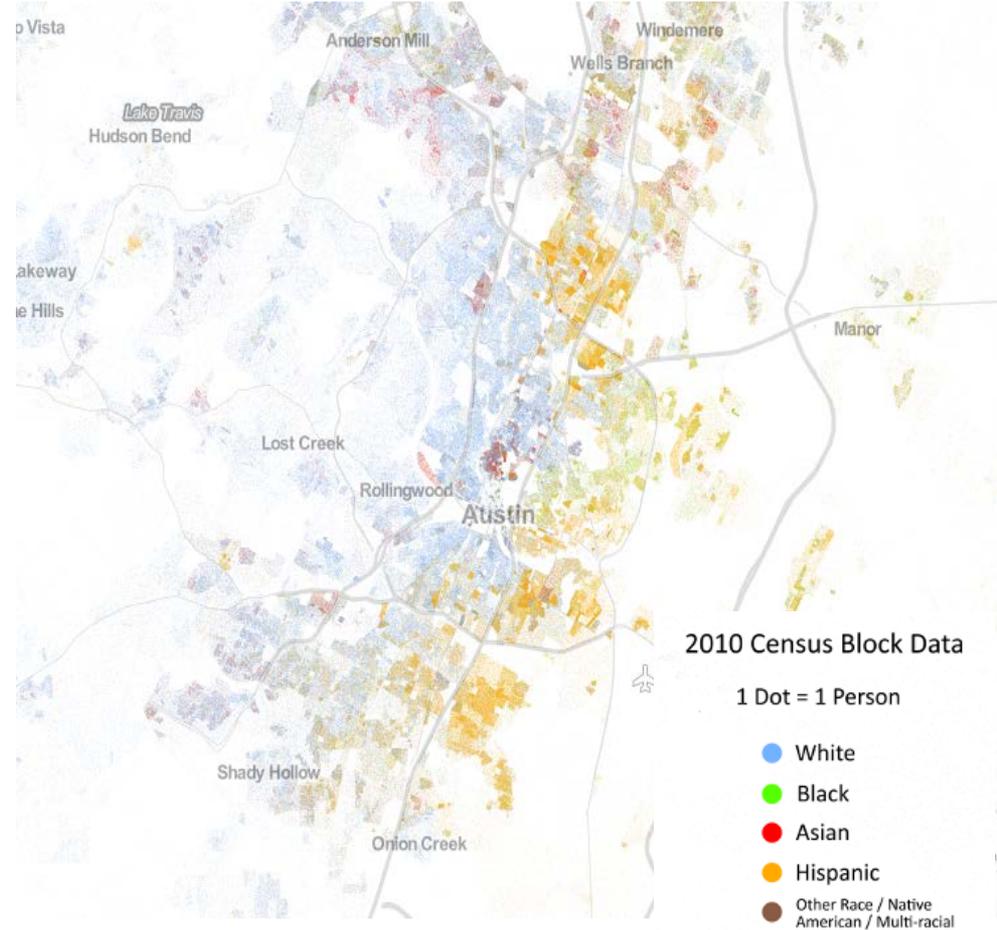
Darien Clary, AISD

Alberta Phillips, Joint Sustainability Committee, ECHO

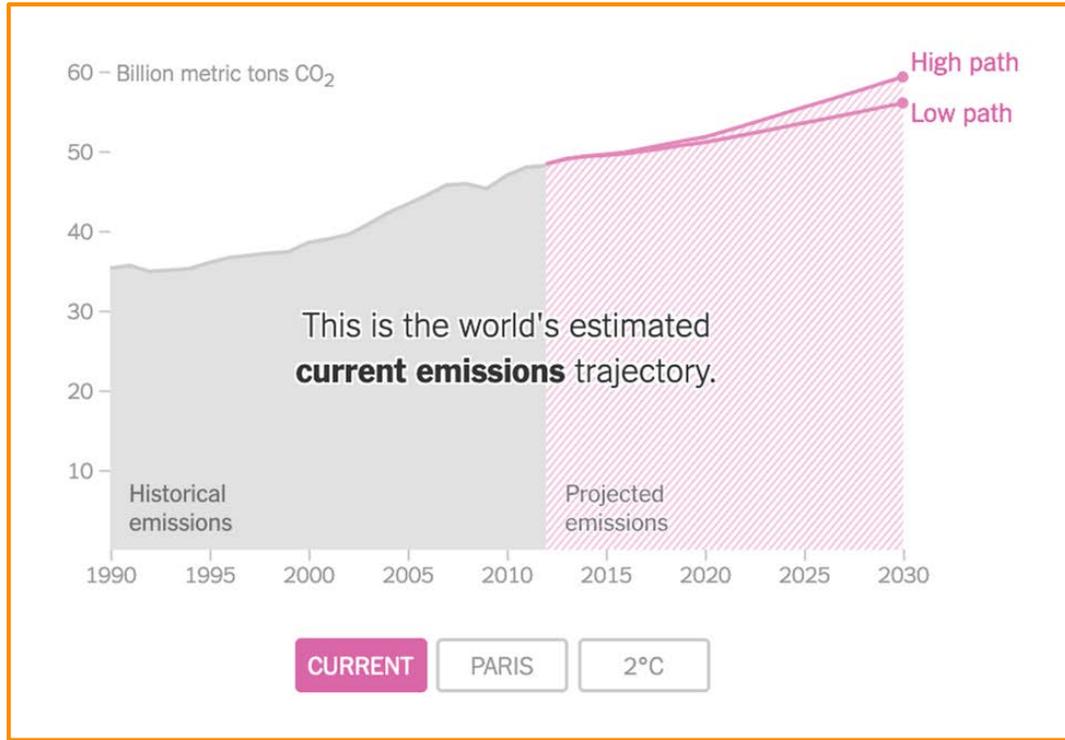
AG Representatives: Nakia Winfield, Brandi Clark Burton, Karen Magid, Kurt Stogdill, and Nick Kincaid

A History of Inequities that Remains Today

- The Austin 1928 Master Plan divided the city along racial lines, forcibly displacing Black residents into specific, undesirable areas.
- The Tank Farm fuel storage facility, Eastside Landfill, and the Holly Power Plant exposed people of color to toxic pollution in East Austin neighborhoods.
- Gentrification is taking place in parts of the city where low-income people and people of color have been forced to live, the African-American share of the Austin population declined from 12% in 1990 to 7.7% in 2010.
- As of 2015, 52% of white Austin residents were homeowners, only 27% of African-American and 32% of Hispanic/Latinx residents owned homes.
- Cases of COVID-19, hospitalization and mortality rates are disproportionately affecting Latinx and Black communities



We are Changing the Earth's Climate



Warming over 2°C could be catastrophic to life on earth

Climate Projections for Austin

- Low-income communities and communities of color are disproportionately affected by climate hazards
 - Experience climate shocks on top of existing economic stressors
 - Have less resources to bounce back from event
 - Suffer long-term impacts to mental and physical health



HIGHER TEMPERATURES



EXTENDED PERIODS OF DROUGHT



INCREASED RISK OF WILDFIRE



INTENSE RAIN AND FLOODING

Our Commitment to Climate Equity

Climate Change

Eliminate the use of fossil fuels for energy & transportation

- Energy efficiency
- Renewable energy
- Less dependence on cars
- Electric vehicles
- More trees & natural spaces
- Healthier consumer choices

Health

Affordability

Accessibility

Cultural Preservation

Community Capacity

Just Transition

Accountability

Racial Equity

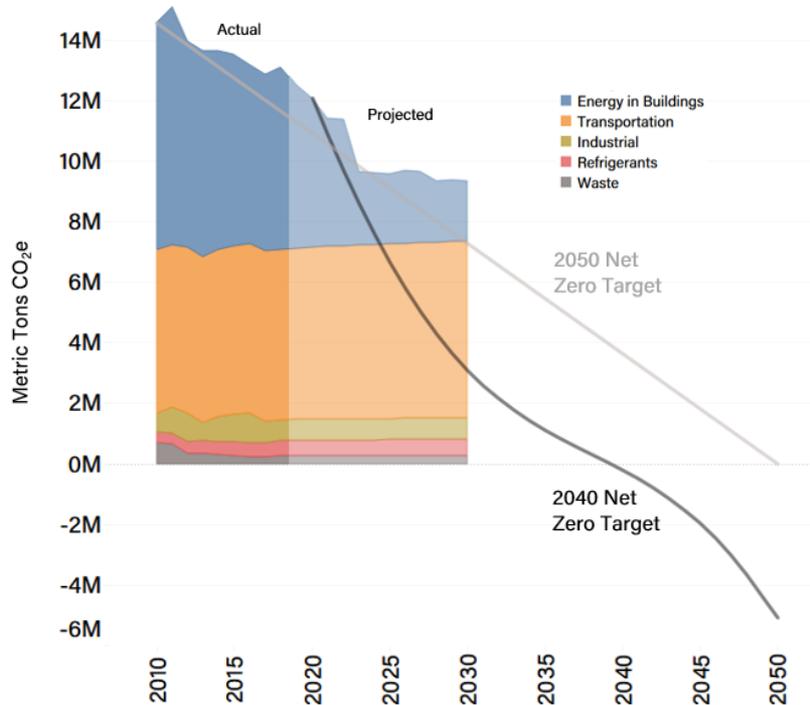
Eliminate disparities that can be predicted by race

- Safety for all at all times
- No disproportionate economic outcomes
- Fair access to services for all
- Inclusive participation in our city
- Positive health outcomes for all
- Embrace culture & difference

If we're not proactively addressing equity, we're perpetuating injustice.

Net-zero by 2050 → Net-zero by 2040

Austin Community GHG Emissions



The updated Net-zero by 2040 target has a more aggressive emissions reduction target than the previous Net-zero by 2050 target

A Plan Among Plans

5 Plan Sections:

- Sustainable Buildings
- Transportation Electrification
- Transportation & Land Use
- Natural Systems
- Consumption



Equity Process for Advisory Groups



Equity-focused Engagement

Community Climate Ambassadors



Draft Goals & Strategies

Summary

18 Goals - What needs to be accomplished by 2030 to keep us on track

75 Strategies - What should be implemented in the next 5 years to make progress

Centered on Equity Throughout

- Prioritize incentives and target communications towards low-income communities and communities of color
- Specific focus on anti-displacement
- Focus on a just transition (training and jobs) for new industries and technology
- Prioritize health and other benefits for the Eastern Crescent
- Center communities of color in ongoing learning and studies

Cross-cutting Strategies

Strategy 1: Green Jobs and Entrepreneurship

Create Green Jobs and Entrepreneurship opportunities that advance the goals of this plan, create economic opportunity and build agency and decision-making power in low-income communities and communities of color.

Strategy 2: Regional Collaboration

Create a Texas Climate Collaborative linking elected officials and City staff who are working to implement recently adopted climate plans in San Antonio, Houston, Dallas and Austin. Bring in neighboring cities in the Central Texas region as well as the five-county governments.

Strategy 3: Carbon Offsets and Carbon Dioxide Removal

Getting to zero fossil fuel usage, addressing our historical emissions, and eventually removing CO₂ from the atmosphere are essential but will be very challenging, so we've laid the ground-work for establishing definition, priorities and future research opportunities.

2030 RESOURCE GENERATION PLAN



Customer Driven.
Community Focused.™

- 93% carbon-free generation by 2030, 100% by 2035
- 1,200 MW of conservation, including 225MW of peak capacity
- 1% of retail sales per year in energy efficiency savings, at least 25,000 customer participants annually, 25% limited income
- 375 MW of local solar, 200 MW of customer-sited
- 40 MW of local thermal storage
- REACH – market based approach for short term carbon reduction
- No new Austin Energy carbon generating assets
- Retire Decker Steam Units in 2020, 2021
- Close Austin Energy's share of Fayette at the end of 2022
- Commitment to equity evaluation for programs

Sustainable Buildings

GOAL 1: By 2030, decarbonize buildings and reduce energy burden by achieving net-zero carbon for all new buildings and 25% of existing buildings.

- Ensure benefits flow to low income communities and communities of color
- Enhance understanding of energy consumption
- Decarbonize buildings
- Ensure equitable workforce development for emerging technologies

GOAL 2: By 2030, reduce community-wide greenhouse gas emissions from refrigerant leakage by 25%.

- Capture and destroy old refrigerants
- Improve building codes to encourage cleaner refrigerants
- Create incentives for leak detection and repair
- Awareness and training for HVAC service providers
- Reduce the volume of refrigerants

GOAL 3: By 2030, reduce the embodied carbon footprint of building materials used in local construction by 40% from a 2020 baseline.

- Lead by example through design and construction standards
- Incentivize lower-carbon materials
- Educate stakeholders on materials best practices
- Stimulate decarbonization with local producers

GOAL 4: By 2030, equitably achieve a community-wide water demand of 152,000 acre-feet per year.

- Engage residents in technological transitions and conservation programs
- Evaluate program participation criteria
- Reduce emissions at the water-energy nexus

Transportation and Land Use

Goal 1: By 2030, 80% of new non-residential development is located within the city's growth centers and corridors

- Plan for Complete Communities
- Work with employers on location and amenities
- Create mobility hubs
- Phase out free parking

Goal 2: By 2030, 70% of new housing units are located within the city's growth centers and corridors while preserving 10,000 deeply affordable housing units and producing 1,000 deeply affordable units.

- Offer Immediate Affordable Housing Assistance
- Fund Affordable Housing
- Enhance community engagement for affordable housing

Goal 3: By 2030, Public Transit will make up 5% (up from .3% in 2018) of distance traveled for all trips in Austin.

- Expand and Improve Public Transportation
- Promote Free Transportation Options
- Transit Stations and Stops

Goal 4: By 2030, people-powered transportation (bicycle, walking, wheelchairs, strollers, etc.) will make up 4% of distance traveled for all trips in Austin.

- Prioritize Bicycle Network
- Bicycle Education and Training
- Sidewalks, Urban Trails and Crossings

Transportation Electrification

Goal 1: By 2030, 40% of total vehicle miles traveled in the City of Austin are electrified and electric vehicle ownership is diverse culturally, geographically and economically. This translates to approximately 460,000 electric vehicles on the road.

- Conduct an EV Community Needs Assessment
- Create Equitable Incentives for Buying and Leasing EVs
- Reduce Tolls for EV's in the Eastern Crescent
- Launch an e-Bike + Electric Car Sharing Program
- Electrify Public Sector Fleet Vehicles
- Electrify Private Sector Fleet Vehicles

Goal 2: By 2030, Austin has compelling and equitably-distributed charging infrastructure that is a mix of level 1, 2, and DC fast charging to accommodate 40% of total vehicle miles traveled in the city. This translates to 226 megawatts of electrical load and could mean over 37,000 charging ports.

- Create a Network of Low-cost, Accessible Charging Stations
- Incentivize Internet-Connected Smart Charging
- Adopt New Energy and Building Codes
- Expand Outreach to Underserved Groups

Goal 3: The Austin-Round Rock-San Marcos MSA will be a global leader in transportation electrification by adopting policies and technologies that maximize the economic and health benefits for all while evolving with and defining the growth of this emerging industry.

- Create a Regional Coalition to Support EV's
- Pilot and Adopt New Technology
- Prioritize a Just Transition
- Expand the EV-related Business Ecosystem

Food and Product Consumption

Goal 1: By 2030, ensure 100% of Austinites, with a focus on the food insecure, can access a pro-climate, pro-health food system that is community-driven, prioritizes regenerative agriculture, supports dietary and health agency, prefers plant-based over animal-based foods and minimizes food waste.

- Support institutional food purchasing
- Promote and fund community-driven food retail programs
- Incentivize pro-health, pro-climate food choices
- Conduct a food waste root cause analysis

Goal 2: By 2030, reduce greenhouse gas emissions from institutional, commercial, and government purchasing by at least 50%.

- Measure institutional lifecycle emissions
- Strengthen the City's sustainable purchasing program
- Strengthen non-City institutional purchasing programs
- Expand the City's Circular Economy Program

Goal 3: Aggressively pursue waste reduction, organics composting and recycling to achieve a new overall zero waste goal pending adoption of a new Austin Resource Recovery Zero Waste Plan. The new community-wide per capita disposal rate goal will be added as an amendment to the Climate Equity Plan by June 2021.

- Promote Reuse
- Create Eco-Hubs
- Create a workforce development program for the circular economy
- Offer incentives for products that have lower negative environmental and social impact
- Retool the bulk pick-up collection program

Natural Systems

Goal 1: By 2030, Legally protect an additional 20,000 acres of carbon pools on natural lands and manage all new and existing natural areas (70,000 acres total) with a focus resilience.

- Protect Natural Lands
- Manage Natural Lands for Resilience
- Increase Community Access and Positive Perception of Public Land
- Protect Water Sources

Goal 2: By 2030, Protect 500,000 acres of farmland in the 5-county region through legal protections and/or regenerative agriculture programs.

- Protect of Working Lands
- Reform Agricultural Tax Appraisals
- Support Farmers through Financial Assistance
- Provide Farmers with Resources
- Expand Composting
- Workforce Development for Farmers

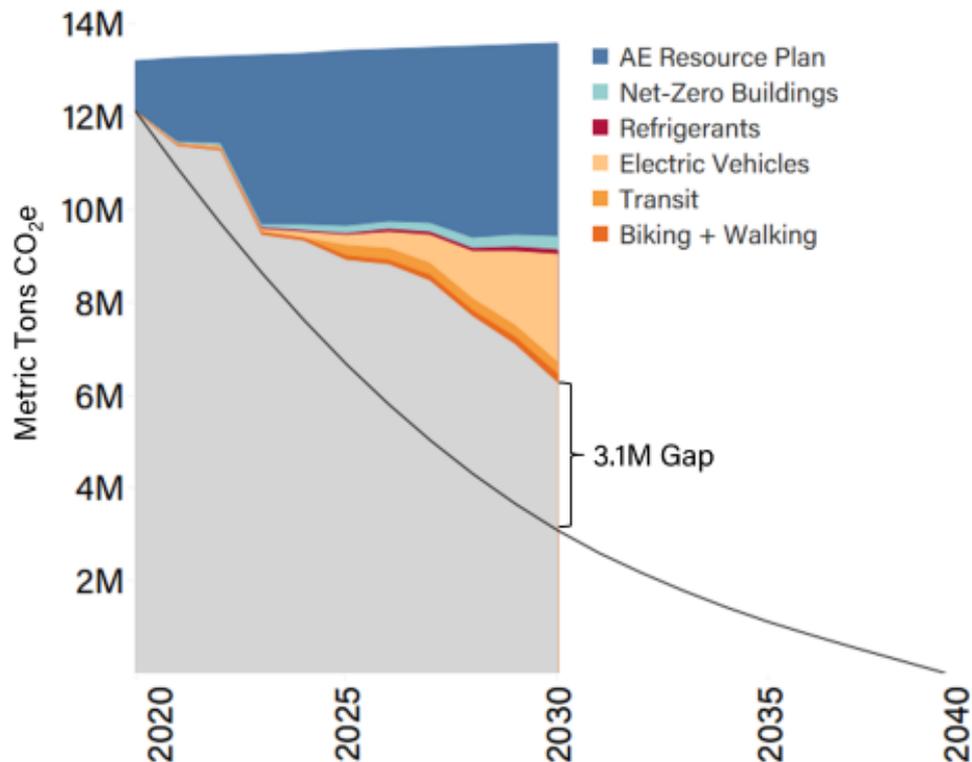
Goal 3: Achieve 50% citywide tree canopy cover by 2050, with a focus on increasing canopy cover in areas where coverage is lower than average.

- Protect Canopy Cover on City Lands
- Tree Protections and Landscape Regulations
- Community Tree Planting
- Promote Tree Health and Resilience on Private Properties

Goal 4: By 2030, Include all City-owned lands under a management plan that result in neutral or negative carbon emissions and maximize community co-benefits.

- Prioritize Carbon Neutrality for Public Lands
- Reclaiming Public Space
- Community Stewardship
- Carbon Farming

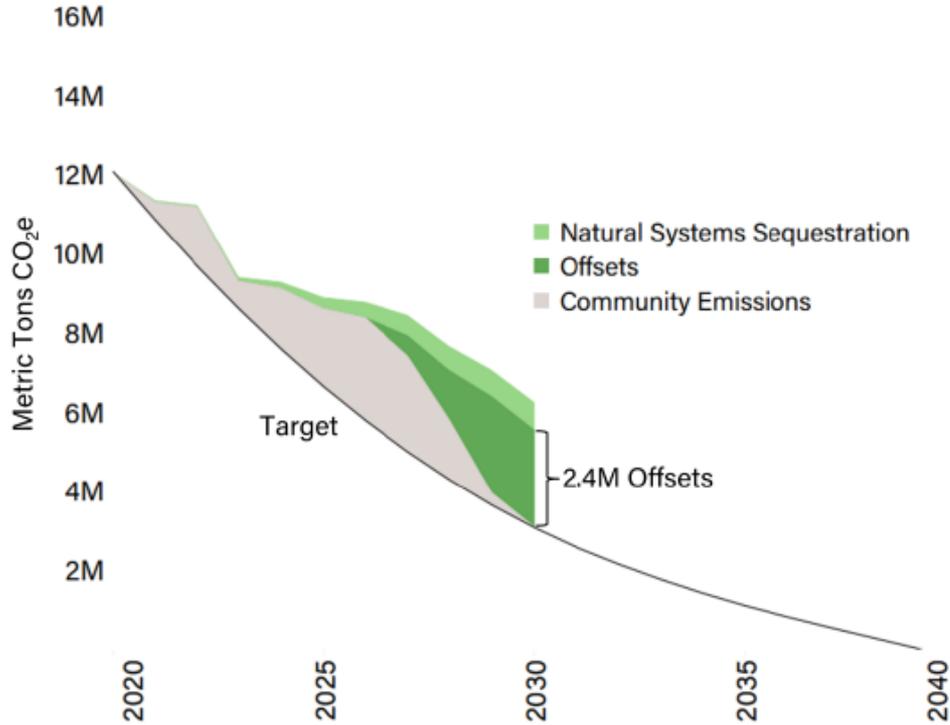
Meeting the 2030 Target



Emissions Reduction Strategies

Buildings	Current	Goal
Carbon Free % of AE Customer Load	63%	93%
Net-Zero Carbon Buildings	<1%	25%
Refrigerant Leaks	-	-25%
Transportation	Current	Goal
Electric Vehicle Miles Traveled	1%	40%
Transit % of Distance Travelled	0.3%	5%
Walking + Biking % of Distance Travelled	0.8%	4%

The Remaining Gap



- Estimated ~700,000 tons per year of sequestration if the Natural Systems goals are met
- Remainder would need to be "offset" from outside our boundary with Avoided or Negative Emissions

Schedule

Sep

Public Comment Period, Boards and Commissions and Revisions

Oct

Finalize and Present to Council



Thank you!

Contact:

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More information:

- austintexas.gov/ climateplan
 - [SpeakUp Austin!](#)
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