



City of Dallas

Comprehensive Environmental & Climate Action Plan Annual Report

**Parks, Trails, and the
Environment Committee
January 6, 2025**

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Overview



- **CECAP FY23-24 Accomplishments**
- **CECAP FY24-25 Implementation Work Plan**
 - Part I: Introduction
 - Part II: Adaptive Management
 - Part III: Year 5 Focus Areas
 - Part IV: FY25 Actions and Milestones
 - Part V: Tracking and Accountability
 - Part VI: Stakeholder Engagement
 - Part VII: Budget



CECAP FY23-24 Accomplishments



COMPREHENSIVE ENVIRONMENTAL & CLIMATE ACTION PLAN

94% of Year 4 Work Plan Complete

In FY23-24, the City of Dallas completed 200 of 212 milestones toward advancement of climate initiatives in 8 different sectors



CECAP FY23-24 Key Accomplishments



DALLAS CLIMATE ACTION

Goal 1: Dallas City Council authorized a resolution to better ensure the integration of the CECAP and environmental sustainability into the 2024 Bond Program.

Goal 2: FRM procured a vendor to lead maintenance and repair of existing failed solar equipment installed on City facilities to ensure that our current installations are operating at their full potential.

Goal 4: Department of Sanitation (SAN) accepted a \$163,200 grant from the North Central Texas Council of Governments to conduct a feasibility study for a City Composting Facility. SAN anticipated completion by grant period ending August 2025.

Goal 6: The Treecycling program diverted 580 cubic yards of wood chips from Forestry operations from the landfill in FY2023-2024. Park Maintenance Operations Districts used the mulch produced for landscaping beds, trails, and trees that were planted at Branching Out tree planting events.

Goal 7: OEQS' Urban Agriculture Team, in partnership with Dallas County Health and Human Services (DCHHS), implemented the Urban Agriculture Infrastructure Grant Program. The program releases approximately \$100,000 in funding to address expenses associated with executing projects aimed at improving agricultural infrastructure in the City of Dallas.



Part I: FY24-25 CECAP Implementation Work Plan



- 30-year plan with 8 focus areas and 97 Actions
- 74 actions will be activated in FY24-25
- 179 total milestones
- 16 City Departments

CECAP IMPLEMENTATION WORK PLAN FISCAL YEAR 2024-2025

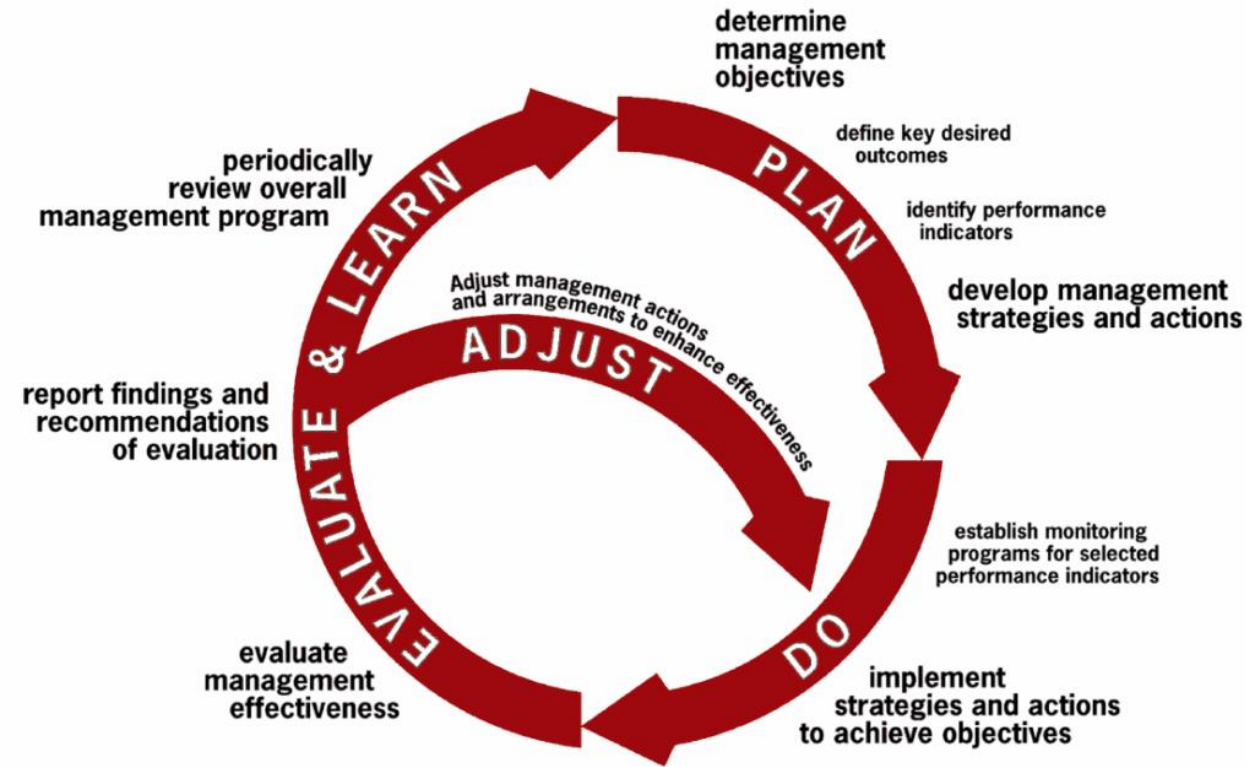


Photo by Freddie Ortiz: DCAMP Air Quality Sensor at Joppy Mommas Farm

By Office of Environmental Quality & Sustainability
with Environmental Commission
and Leading Environmental Actions Forward



Part II: Adaptive Management



Throughout the development of the FY25 CECAP IWP, OEQS began an assessment to evaluate the efficiency and productivity of each milestone. This will lead to a more methodical approach to the incorporation of new and ongoing milestones in future IWPs.

We anticipate using our assessment findings to update the CECAP and determine priority actions to meet Dallas' GHG reduction goals.

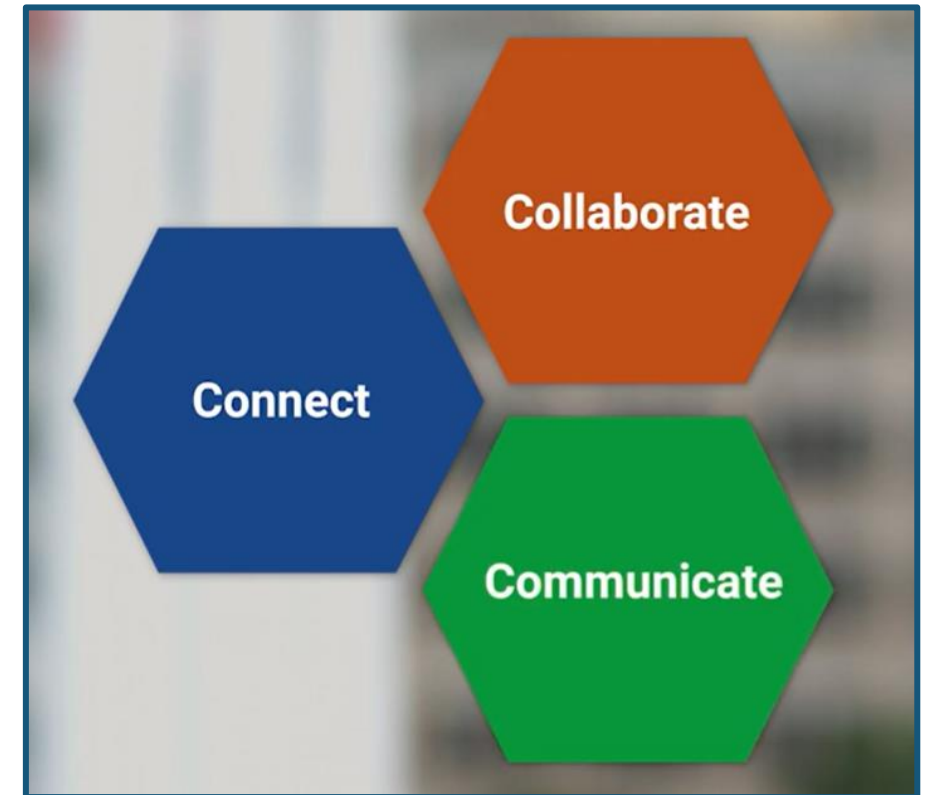


Part III: Year 5 Focus Areas



Emphasize Dallas' values – *Empathy, Ethics, Excellence, Engagement and Equity* – anchored by three principles, **Connect, Collaborate, and Communicate.**

- **Connect** with stakeholders to create cohesive efforts to meet CECAP goals.
- **Collaborate** and leverage diverse expertise to foster innovative solutions.
- **Communicate** effectively to promote sustainable practices and increase transparency.



Part IV: FY25 Actions and Milestones



GOAL 1: DALLAS' BUILDINGS ARE ENERGY- EFFICIENT AND CLIMATE RESILIENT.

Why it matters? Homes and places of work can be protected from the impacts of climate change through structural and operational improvements. Energy efficiency improvements to existing residential and nonresidential buildings and appliances can reduce overall emissions and utility bills. Ensuring that all new construction is built in an energy efficient way will reduce future 'carbon lock-in' in the building stock.

Total actions underway: 12
Total milestones: 20

Table 1: FY24-25 Goal 1 Buildings Actions and Milestones

Action	Dept	Milestone
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.		
B1	OEQS	Update OEQS Website to support greater reach for outreach and engagement (Ongoing)
B1	OEQS	Continue to work with City departments to incorporate CECAP efforts into EMS Objectives and Targets (Ongoing)
B1	OEQS	Plan and hold Annual North Texas Climate Symposium
B1	OEQS	Plan and implement multi-sector, multi-media, multi-target outreach and engagement program for businesses, education, and community stakeholders

Make The Case

Sector Totals

Milestone by Dept.



Goal 1: Dallas' buildings are energy efficient and climate resilient.

Why it Matters?

- The combined building and energy sectors account for the highest percentage of 2019 GHG emissions in Dallas (64%).
- Of these, 33% is from commercial buildings including offices, restaurants and retailers; 20% from homes, and 8% from the industrial sector.
- Ensuring that all new construction is built in an energy efficient way will reduce future 'carbon lock-in' in the building stock.

Total Number of Milestones

- 19 of 179

Total CECAP Actions Activated

- 11 of 16

Contributing Departments

- OEQS
- PDV
- AVI
- ECO
- HOU



Key FY25 Building Milestones

- Conduct Energy Benchmarking at 10 additional City buildings in Energy Star Portfolio Manager for a total of 195 City buildings.
- Review SolSmart program for consideration of SolSmart Designation.
- Continue the Green Warriors Project by collaborating with UTA to collect energy usage data and quantify anticipated wasted energy reductions.



Dallas Fire Station No. 6, LEED Platinum



Goal 2: Dallas generates and uses renewable, reliable, and affordable energy.

Why it Matters?

- Dallas primarily relies on **electricity** that has been **generated by fossil fuels**.
- With an average of 234 days of sunshine per year, Dallas has the potential to take much more advantage of solar technologies.

Total Number of Milestones

- 13 of 179

Total CECAP Actions Activated

- 9 of 11

Contributing Departments

- OEQS
- FRM
- PDV
- BCM



Key FY25 Energy Milestones

- Utilize the results from OEQS' 2024 Solar Siting Study as guidance and support for the implementation of community solar efforts and rooftop solar installations on city facilities.
- Start design and construction process to implement pilot solar + battery energy storage technology at Bachman Recreation Center.
- Support FRM in developing renewable energy projects on city facilities as appropriations allow.



Goal 3: Dallas' communities have access to sustainable, affordable transportation options.

Why it Matters?

- The **transportation sector**, which includes private and public vehicles, trains, and planes contributes **38% of GHG emissions** for the City of Dallas.
- The **majority (76.8%) of Dallas residents drive to work alone.**
- Dallas County fails to meet federal air quality standards which is a direct result of gasoline burning engines.

Total Number of Milestones

- 24 of 179

Total CECAP Actions Activated

- 13 of 19

Contributing Departments

- OEQS
- PDV
- TPW
- EFM



Key FY25 Transportation Milestones

- Support NCTCOG's Clean Cities efforts to promote vehicle electrification.
- Utilize the results from OEQS' 2024 EV charging infrastructure siting study as guidance and support for the installation on City properties, as funds are available.
- Implement the Shared Dockless Vehicle Program that regulates rental micromobility devices in Dallas.



Goal 4: Dallas is a Zero Waste community.

Why it Matters?

- **Municipal solid waste** represents a small percentage (**less than 1%**) of **GHG emissions** in Dallas. However, waste-based emissions are an **important area for local action**.
- **Extreme weather events** may lead to the unexpected need to deal with the **collection and disposal of large amounts of debris**.
- **Climate change** will impact both the **operations and infrastructure assets** in the waste sector.

Total Number of Milestones

- 20 of 179

Total CECAP Actions Activated

- 6 of 9

Contributing Departments

- OEQS
- OAC
- CCS
- POM
- SAN
- PKR



Key FY25 Zero Waste Milestones



- Utilize a grant from the North Central Texas Council of Governments to secure the services of a solid waste engineering firm and conduct a feasibility study for a composting processing system and site location. SAN anticipates completion by August 2025.
- Implement the Environmental Clean-Up Fee to address litter and nuisance abatement from public property, street cleaning, and related services.
- Continue to support the Keep Dallas Beautiful affiliation.



Goal 5: Dallas protects its water resources and its communities from flooding and drought.

Why it Matters?

- The **water and wastewater** sectors together contribute to **less than 1% of Dallas' GHG emissions**; however, access to clean water is foundational **to public health and quality of life**.
- Between **2020 and 2070**, Dallas' **existing water reserves** are **expected to decrease** due to sedimentation and increased evaporation of reservoirs.

Total Number of Milestones

- 45 of 179

Total CECAP Actions Activated

- 13 of 15

Contributing Departments

- OEQS
- DWU



Key FY25 Water Resource Milestones



- Continue City Leadership and Commitment Grant Program to City of Dallas departments for improvements promoting Water Conservation efforts. Grant to not exceed \$200,000.
- Continue construction of Mill Creek Drainage Relief Tunnel scheduled for completion in 2026.
- Continue to offer public-facing rebate and incentive-based programs to promote water conservation to resourcefully manage the City's annual GPCD. The target is to achieve an overall water savings of 82 million gallons in FY25.

Goal 6: Dallas protects and enhances its ecosystems, trees, and green spaces that in turn improve public health.

Why it Matters?

- In Dallas, there are 388 parks totaling **27,038 acres**, plus the roughly 6000-acre Great Trinity Forest. These **green spaces are not evenly distributed** and **only 60% of Dallas residents have access to a park** within a half-mile walk of their homes.
- Open spaces including parks, urban forests, and prairies **can deliver multiple benefits** including reducing the urban heat island effect, sequestering carbon, and managing flooding.

Total Number of Milestones

- 28 of 179

Total CECAP Actions Activated

- 7 of 9

Contributing Departments

- OEQS
- PKR
- DWU
- TPW
- PDV



Key FY25 Ecosystem Milestones

- Conduct a comprehensive citywide public tree inventory performed by Davey Resource Group, Inc.
- Implement the City's Brownfield Program to address existing sources of pollution, increase potential redevelopment and economic growth in previously under-invested areas through investments in the Community-wide Assessment Grant and the Revolving Loan Fund Grant.
- Participate in the Resilient Infrastructure Technical Assistance Program led by the Smart Surfaces Coalition.



Goal 7: All Dallas' communities have access to healthy, local food.

Why it Matters?

- **Access to healthy food for vulnerable communities** in southern and western Dallas is a significant challenge—**36% of Dallas' residents live** in census tracts defined as **food deserts**.
- Food production, distribution and land use accounts for **30% of global GHG emissions** in the U.S.
- The region's food is **heavily dependent on food suppliers** from outside of Texas and the United States.

Total Number of Milestones

- 19 of 179

Total CECAP Actions Activated

- 11 of 14

Contributing Departments

- OEQS
- ECO
- POM
- CES



Key FY25 Food Access Milestones



- Create clear, accessible documents that educate City of Dallas residents about relevant regulations and resources for starting and operating both commercial and community UA.
- Support the Growers Education & Workforce Development Grant Program.
- Complete the Urban Agriculture Infrastructure Grant Program that provides community farm assistance to community gardens in historically disadvantaged communities.



Goal 8: All Dallas' communities breathe clean air.

Why it Matters?

- While air quality in North Texas is generally improving, in North Texas, ten counties including **Dallas consistently do not meet the 2008 Federal air quality criteria for ground-level ozone.**
- In the American Lung Association's "State of the Air 2023" Report, Dallas- Fort Worth ranked 18th out of the *25 Most Ozone-Polluted Cities.*

Total Number of Milestones

- 11 of 179

Total CECAP Actions Activated

- 4 of 4

Contributing Departments

- OEQS
- PDV



Key FY25 Air Quality Milestones

- Make data from neighborhood air quality sensors available to the public.
- Convene regional air quality monitoring summit with local entities implementing air quality monitoring programs to assess state of the science, and opportunities for data sharing.
- Maintain regulatory air monitoring and sampling programs in coordination with TCEQ.



Part V: Tracking and Accountability



- **Performance Measures (Annual)**
 - 75% actions underway
 - 92% milestones complete
- Performance updates available on Dallas' Budget Accountability Reports
- Detailed milestone tracking will continue on CECAP Dashboard: DallasClimateAction.com



Part VI: Stakeholder Engagement



PTE	EVC	RISE	LEAF
Parks, Trails, and the Environment Committee	Environmental Commission	Regional Integration of Sustainability Efforts	Leading Environmental Actions Forward
<ul style="list-style-type: none"> • Elected Officials • 7 Members • Directs CECAP Implementation • Meets first Monday of the month 	<ul style="list-style-type: none"> • Dallas Residents • 15 Voting members • 8 technical experts • Advises on CECAP Implementation • Meets monthly 	<ul style="list-style-type: none"> • North Texas Municipalities • Hosted by NCTCOG • Supports CECAP and other regional initiatives • Meets quarterly 	<ul style="list-style-type: none"> • City Staff • 16 Departments implementing CECAP • Provides CECAP status updates • Meets quarterly



Part VII: Budget



- The FY24-25 General Fund Budget includes:
 - Approximately \$154.7 million to advance the City's Sustainable Foundational Structure
 - \$1.2 million in funding for direct CECAP implementation by OEQS
 - \$3.5 million in multi-year funds
- All milestones and actions are subject to related annual budget appropriations
- Plan to develop a forecasted CECAP budget in consultation with City departments



FY 2024 - 2025 ANNUAL BUDGET

REIMAGINING AND
REALIGNING FOR RESULTS





Questions?



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