

CECAP IMPLEMENTATION WORK PLAN

FISCAL YEAR 2023-2024



Vickery Park Branch Library, Architecture 2030/LEED Gold BD+C

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



Comprehensive Environmental & Climate Action Plan Fiscal Year 2023-2024 Implementation Work Plan

I. Introduction

This Implementation Work Plan (IWP) provides an overview of efforts planned under the Comprehensive Environmental & Climate Action Plan (CECAP), during the Fiscal Year 2023-2024 (FY24). With equity and inclusion as core values, the CECAP proposes solutions that will improve our natural environment, our educational and economic outcomes, the affordability of our housing stock, and our transportation systems. The IWP outlines continued efforts that collectively maintain the City of Dallas as a leader in reducing emissions and sets the path forward towards addressing climate and environmental risk with effective, equitable, and common-sense solutions.

In the first year of CECAP implementation, the work plan focused on building capacity. It did so by focusing on education and outreach, expanding partnerships, amplifying ongoing actions, exploring funding opportunities, and maintaining tracking and accountability. The FY20-21 Implementation Work Plan included the initiation of 48 actions and 136 milestones that laid the groundwork for long-term CECAP implementation.

The second year of CECAP implementation continued to advance efforts initiated in the first year. In FY22, the plan included a total of 263 milestones addressing 73 CECAP actions. The IWP included the continuation of 47 actions from FY20-21, with 26 new actions being implemented in FY 21-22.

The third year of CECAP implementation continued with the collaborative effort of 17 City departments; to activate a total of 202 milestones and 73 actions. As the FY23 CECAP implementation process advanced, new activities were incorporated in the service delivery model of our major departments. This ensured milestones were sustainable and would be ongoing for many years into the future.

Building on the success of the previous years, the fourth year of CECAP implementation continues with 211 milestones and 75 actions led by 18 participating City departments. 158 of these milestones are ongoing, meaning they continue throughout the entire year and will continue from year to year.

II. Adaptive Management

The CECAP commits to regular review of performance towards meeting the emissions reduction goals set forth in the 2015 Paris Agreement, per the U.S. Climate Mayors commitment. This review is based on performing regular updates to the greenhouse gas (GHG) inventory and assessment of data trends towards emission reductions. The CECAP plan that was released in April 2020, included a 2050 carbon neutrality target and an intermediate 2030 target to reduce emissions 43% below 2015 levels.

The primary output of the most recent inventory demonstrated community-wide total GHG emissions and removals in 2019 were 18,146,261 MT CO₂e, which represents a -11% change from 2015. Despite a population growth of roughly 5% during this time, the community-wide emissions also decreased on a per capita basis to 14.2 MT CO₂e per capita in 2019 (-10% from 2015). With these results from the current 2019 inventory of GHG emissions, Dallas has already achieved an 11% reduction compared to the 2015 year referenced in the CECAP.



The CECAP's baseline inventory was completed in 2019 using the International Local Governments for Sustainability (ICLEI) methodology based on data from the 2015 calendar year. The CECAP calls for an update to the GHG inventory at least every three years. OEQS staff anticipates conducting GHG emissions inventory consistent with the ICLEI methodology in FY24.

III. FY23-24 Actions and Milestones

The FY24 Implementation Work Plan builds on the foundation set in the three years of implementation. This section provides a list of each of the 211 milestones scheduled for implementation in FY24 and includes activation of 75 CECAP actions. Milestones will be completed through the combined efforts of 18 City departments, including:

Arts and Culture (OAC)	Equipment & Fleet Management (EFM)
Aviation (AVI)	Housing & Neighborhood Revitalization (HOU)
Bond & Construction Management (BCM)	Office of Environmental Quality & Sustainability (OEQS)
Building Services (BSD)	Park and Recreation (PKR)
Code Compliance (CCS)	Planning and Urban Design (PUD)
Convention & Event Services (CES)	Procurement Services (POM)
Dallas Water Utilities (DWU)	Public Works (PBW)
Development Services (DEV)	Sanitation Services (SAN)
Office of Economic Development (ECO)	Transportation (TRN)

Each department will be responsible for tracking and quarterly reporting on its assigned 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: 11

Total milestones: 25

Table 1: FY23-24 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	Work with BCM, Parks and BSD to update Green Building Policy to reflect current practice towards Net-Zero Carbon
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
B1	OEQS	Work with BCM, Parks, and BSD to develop draft specifications towards carbon neutral facility construction for use in 2024 Bond Program
B2: Achieve Level 3+ Airport Carbon Accreditation at Love Field for carbon neutral operations and maintain accreditation for DFW, and pursue for Dallas Executive Airport.		
B2	AVI	Achieve and maintain Level 4 Airport Carbon Accreditation at Dallas Love Field Airport for carbon neutral and transformation operations
B2	AVI	Define long-term carbon management strategy towards emissions reductions
B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.		
B3	OEQS	Provide online resources for tenants and homeowners to provide information on how to reduce energy use and utility bills (Ongoing)
B3	HOU	Conduct workshops for building owners and real estate professionals to convey benefits of energy efficiency programs
B4: Implement a citywide building weatherization program through partnership with community organizations.		
B4	OEQS	Provide ongoing environment and sustainability targeted outreach and education programs to the community (Ongoing)
B4	OEQS	Continue weatherization campaign to raise awareness of benefits of home weatherization upgrades
B4	OEQS	Continue Green Job Skills pilot to increase the number of qualified people providing weatherization services
B4	OEQS	Expand workforce development trainings offered in the Green Job Skills program



Table 1: FY24 Actions and Milestones Continued City of Dallas

B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.		
B5	ECO	Expand participation in the City's existing PACE financing program (Ongoing)
B5	OEQS	Explore feasibility of implementing City programs to incentivize energy efficiency measures for commercial and residential buildings
B6: Establish a building efficiency and electrification program (for existing buildings) to replace appliances and systems with other efficient and cost-effective options.		
B6	OEQS	Implement building energy efficiency outreach & engagement program
B7: Increase participation and scope of the Dallas Green Business Certification Program.		
B7	OEQS	Increase awareness and participation in the Green Business Certification program (Ongoing)
B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.		
B11	DEV	Continue to review SolSmart program for consideration of SolSmart designation (Ongoing)
B11	DEV	Continue review of the Solar APP+ for consideration (Ongoing)
B11	DEV	Continue current plans to incorporate the permitting aspects of the NCTCOG Go Solar North Texas program (Ongoing)
B11	DEV	Promote City's adoption of 2021 International Codes
B12: Evaluate and consider a Zero Net Energy (ZNE) code for all new buildings and substantial renovations by 2030.		
B12	OEQS	Develop working group with key building industry stakeholders to begin exploring NZE options for consideration
B13: Establish urban greening factor requirements for new developments that quantify how projects contribute to urban greening for reduced stormwater runoff and urban heat island improvements.		
B13	PUD	Continue work with ZOAC and CPC to adopt greening factors as part of parking reform
B15: Evaluate potential city-owned properties for the creation of 'resilience hubs'.		
B15	OEQS	Evaluate funding opportunities for creation of resilience hubs (Ongoing)



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 (22% is generated from coal and 50% from natural gas). Although Texas is the largest producer of wind in the country, renewable energy only provides 19% of the grid electricity mix. The renewable energy market is growing globally, as technologies (particularly photovoltaic panels and batteries) become more affordable and adaptable. With an average of 234 days of sunshine per year, Dallas has the potential to take much more advantage of solar technologies.

Total actions underway: 10
 Total milestones: 19

Table 2: FY23-24 Goal 2 Actions and Milestones

Action	Dept	Milestone
E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.		
E1	OEQS	Explore feasibility of City community solar projects with public utility companies
E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.		
E2	BSD	Incorporate pilot energy storage technology in next appropriate City facility
E3: Continue partnership with public utility companies on an intensive program on renewable energy options.		
E3	OEQS	Continue implementation of the Whole Home Weatherization Program resource HUB to connect residents with existing services
E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.		
E4	OEQS	Continue implementation of OEQS' Weatherization Proof-Of-Concept Project (Ongoing)
E5: Build a regional strategic partnership to promote adoption of renewable energy.		
E5	OEQS	Continue rooftop solar revolving program as appropriations allow
E6: Establish and invest in renewable energy hubs through partnerships with the private sector.		
E6	OEQS	Evaluate funding opportunities relating to the development of renewable energy hubs (Ongoing)
E6	OEQS	Identify potential partners in the private sector (Ongoing)
E7: Extend City efforts to develop more renewable energy projects on City facilities.		
E7	BCM	Continuously include renewable energy of new and existing facilities whenever feasible in the scopes of work (Ongoing)
E7	BCM	Recommend new capital city facility projects to lead in renewable energy facilities where feasible (Ongoing)
E7	BCM	Continue to require innovative renewable energy as part of the design services for city facilities in new construction or renovation of existing facilities (Ongoing)
E7	OEQS	Work with stakeholders to develop guidelines and best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms. (Ongoing)



Table 2: FY24 Actions and Milestones Continued **City of Dallas**

E7	OEQS	Support BSD in developing renewable energy projects on city facilities as appropriations allow (Ongoing)
E7	OEQS	Continue Solar Siting Inventory and Evaluation Study
E7	OEQS	Utilize the results from OEQS' Solar Siting Study as guidance and support for the implementation of community solar efforts and rooftop solar installations on city buildings
E8: Continue to implement Green Energy Policy for City facilities.		
E8	BSD	Continue to implement current green energy policy under the existing utility contract for procuring 100% renewable energy and associated renewable energy credits (Ongoing)
E8	BSD	Participate in active discussions with other departments to evaluate potential for developing on-site and off-site renewable energy projects (Ongoing)
E9: Extend partnership with organizations like PACE and other Public Utility Companies to provide further incentives for renewable energy.		
E9	OEQS	Explore feasibility of implementing City program to incentivize solar installation for commercial and residential buildings
E10: Advocate for renewable energy policies at the state and federal levels.		
E10	OEQS	Support OGP Legislative advocacy of renewable energy policy in state and federal legislation (Ongoing)
E10	OEQS	Continue to support OGP Legislative advocacy of renewable energy policy at Public Utility Commission of Texas (Ongoing)



GOAL 3: DALLAS’ COMMUNITIES HAVE ACCESS TO SUSTAINABLE, AFFORDABLE, TRANSPORTATION OPTIONS.

Why it matters? Dallas County fails to meet federal air quality standards for ground level ozone, which is produced when nitrogen oxides (NOx) and volatile organic compounds (VOCs) combine with heat, which is a direct result of gasoline burning engines. Using active and public transportation, transportation demand management (TDM), and transition towards the use of electric vehicles have high potential to reduce emissions and improve air quality.

Total actions underway: 12

Total milestones: 27

Table 3: FY23-24 Goal 3 Actions and Milestones

Action	Dept	Milestone
T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.		
T1	BCM	Participate in partnerships with internal and external entities to establish light duty fleet in conjunction with city facilities locations (Ongoing)
T1	OEQS	Support NCTCOG’s Clean Cities efforts to promote vehicle electrification (Ongoing)
T1	EFM	Continue implementation of Fleet Electrification Feasibility Study
T1	EFM	Continue to grow the Alternative Fuels options for the City
T1	EFM	Purchase Electric Vehicles and evaluate pooling of resources
T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.		
T4	OEQS	Work with the internal City EV Working Group to develop a strategy to deploy electric vehicle infrastructure on municipal property
T4	OEQS	Work with partners to increase electric vehicle charging infrastructure in equity priority areas
T4	OEQS	Implement the EVSE siting study for public facing charging stations on City properties.
T5: Support and expand recommended Travel Demand Management strategies identified within the Strategic Mobility Plan.		
T5	PUD	Align Forward Dallas with Travel Demand Management strategies from the Strategic Mobility Plan (Ongoing)
T7: Secure resources to implement the existing bicycle network masterplan.		
T7	PUD	Participate in bike plan update process (Ongoing)
T7	TRN	Update the 2011 Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities (Ongoing)
T7	TRN	Implement bicycle facilities and lanes, depending on City Council annual appropriations. (Ongoing)
T7	TRN	Include considerations for additional micro-mobility technologies (i.e.scooters) in addition to cycling in the Bike Plan update (Ongoing)



Table 3: FY24 Actions and Milestones Continued

T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.		
T8	PUD	Partner with stakeholders to ensure alignment with city plans including Strategic Mobility Plan, CECAP, Bike Plan, etc. (Ongoing)
T9: Increase bus service across the City by adding new routes, shortening headways, and overall increasing service reliability and customer experience.		
T9	PUD	Partner with DART during development of Forward Dallas to align density and land use patterns with public transit to increase ridership where routes exist (Ongoing)
T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.		
T10	OEQS	Support regional air quality improvement efforts to reduce single occupancy vehicle trips (Ongoing)
T10	OEQS	Support TRN on implementation of Connect Dallas trip reduction actions (Ongoing)
T10	OEQS	Work with City Staff to provide incentives and track emissions reduced through our alternative commute programs. (Ongoing)
T11: Develop a new comprehensive land use strategy in the upcoming comprehensive plan update to pair with the SMP and CECAP goals, adopt policy to reduce transportation related GHG emissions.		
T11	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts (Ongoing)
T11	PUD	Continue development of Forward Dallas (Ongoing)
T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.		
T12	PUD	Consider transit-oriented development guidelines and strategies as part of Forward Dallas (Ongoing)
T14: Adopt a revised parking ordinance strategy that supports new mode split goals and land use strategy that minimizes available parking in transit-oriented districts.		
T14	TRN	Establish On-Street Parking/Curb Management Policy (Ongoing)
T14	PUD	Consider amending the parking code (Ongoing)
T14	OEQS	Support parking code amendment process (Ongoing)
T16: Convert all traffic lights and streetlights to LEDs.		
T16	TRN	Convert lights to LED as funding is made available; All new lighting projects require LED whether City-owned, Oncor-owned or TxDOT-owned (also with Office of Integrated Police Solutions) (Ongoing)
T16	TRN	Initiate conversion of streetlights to LEDs, where feasible (Ongoing)
T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including but not limited to local and regional delivery trucks and heavier vehicles		
T19	OEQS	Participate in North Texas Regional Transportation Electrification Compact Alliance working to address fleet conversion across North Texas



GOAL 4: DALLAS IS A ZERO-WASTE COMMUNITY.

Why it matters? Focusing on the principles of Zero Waste: refuse, reduce, reuse (including repair!), recycle and rot, will reduce quantity of waste and result in a cleaner City. Climate change will also impact both the operations and infrastructure assets in the waste sector. Increased temperatures will impact the health and safety of waste collection workers. Extreme weather events may lead to the unexpected need to deal with the collection and disposal of large amounts of debris. GHG emission reductions in the waste sector can also be achieved through actions that increase the efficiency of waste collection and continuing the capture of landfill-generated gas.

Total actions underway: 7
 Total milestones: 20

Table 4: FY23-24 Goal 4 Actions and Milestones

Action	Dept	Milestone
SW1: Actively promote source reduction, recycling, and composting to the Dallas community.		
SW1	OEQS	Expand current education efforts to inform residents and business owners of their options to refuse, reduce, reuse, and recycle (Ongoing)
SW1	OEQS	Sponsor zero waste education courses for single family residential customers (Ongoing)
SW1	OAC	Implement an Artist Residency program in Dallas recreation centers that promotes CECAP goals and waste reduction
SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.		
SW2	POM	As part of the workplan, develop a total cost of ownership (TOC) model for use in analyzing the cost of a good or service
SW3: Improve solid waste, recycling, and brush/bulky waste collection efficiency.		
SW3	PKR	Divert brush from the landfill by generating compost and mulch through the Treecycling program (Ongoing)
SW4: Explore potential for electric waste collection trucks.		
SW4	SAN	Continue to monitor technological advancements and viability (Ongoing)
SW5: Update and implement the Zero Waste Management Plan.		
SW5	OEQS	In partnership with small scale grocers located in targeted communities, continue implementation of the Bring-a-Bag environmental justice initiative to raise awareness of the benefit of reducing single use plastic bags
SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the “Litter and Illegal Dumping Assessment Study.”		
SW6	SAN	Continue to facilitate BOPA collection events (Ongoing)
SW6	SAN	Provide staff support at Community Trash Off Events (Ongoing)
SW6	CCS	Continue to implement Strategic Illegal Dumping Plan (Ongoing)



City of Dallas

Table 4: FY24 Actions and Milestones Continued

SW6	CCS	Continue collaboration with Dallas Marshal's office to issue citations and arrests (Ongoing)
SW6	CCS	Continue marketing campaign to educate public on illegal dumping (how to report, what it is, and measures being taken to counteract it) (Ongoing)
SW6	CCS	Continue same day abatement via illegal dumping abatement team (Ongoing)
SW6	CCS	Maintain illegal dumping hotline (Ongoing)
SW6	CCS	Participate in community trash off events (Ongoing)
SW6	CCS	Continue to work with Keep Dallas Beautiful affiliate (Ongoing)
SW6	OEQS	Support Community Trash Off (Ongoing)
SW6	OEQS	Continue direct mail campaign (Ongoing)
SW8: Continue to capture gas and expand capacity from landfill for reuse and evaluate for city operations.		
SW8	SAN	Annually evaluate need for gas collection system expansion (Ongoing)
SW8	SAN	Expand program as needed to increase methane recovery (Ongoing)



GOAL 5: DALLAS PROTECTS ITS WATER RESOURCES AND ITS COMMUNITIES FROM FLOODING AND DROUGHT.

Why it matters? The water/wastewater sector includes water supply, sewage treatment, water quality, stormwater management, flood management, water conservation and drought management. This sector contributes 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. This is a result of anticipated temperature increases. For the City to protect water resources, actions must be taken by private entities, residents and businesses and the City of Dallas.

Total actions underway: 13

Total milestones: 47

Table 5: FY23-24 Goal 5 Actions and Milestones

Action	Dept	Milestone
WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.		
WR1	OEQS	Continue City Leadership and Commitment Grant Program to support green infrastructure (Ongoing)
WR1	OEQS	Continue to offer rebate and incentive-based programs to promote water conservation to resourcefully manage the City’s annual GPCD (Ongoing)
WR1	OEQS	Continue to evaluate and assess program performance to ascertain program viability. (Ongoing)
WR1	OEQS	Continue to offer education and outreach opportunities to promote water conservation to resourcefully manage the City’s GPCD (Ongoing)
WR1	OEQS	Continue the ‘Save Water. Nothing Can Replace It.’ local public awareness campaign, promoting local conservation programs and educational opportunities for DWU customers (Ongoing)
WR1	OEQS	Maintain SaveDallasWater.org website (Ongoing)
WR1	OEQS	Continue to improve social media strategies (Ongoing)
WR1	OEQS	Evaluate social media engagement platforms (Ongoing)
WR1	OEQS	Evaluate and participate in partnerships with other agencies for public awareness activities (Ongoing)
WR1	OEQS	Continue activities and efforts related to the "Defend Your Drains" public awareness campaign (Ongoing)
WR1	OEQS	Continue the North Texas Regional unified public awareness campaign (Ongoing)
WR1	OEQS	Continue to partner with other agencies in the North Texas Regional Water Conservation Symposium (Ongoing)
WR1	OEQS	Continue water conservation outreach efforts to support wholesale customer cities (Ongoing)



Table 5: FY24 Actions and Milestones Continued

WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.		
WR2	DWU	Continue existing leak detection programs (Ongoing)
WR2	DWU	Continue requesting and tracking TWDB Annual Water Conservation Reports for wholesale customer cities, which include 5- and 10-year water loss targets (Ongoing)
WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.		
WR4	OEQS	Continue to offer free automatic irrigation system evaluations and promote best management practices on outdoor watering (Ongoing)
WR4	OEQS	Develop additional resources to promote reducing outdoor water use (Ongoing)
WR4	OEQS	Continue ongoing education and outreach programs to promote best management practices that recognize landscape design that reduces water consumption (Ongoing)
WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.		
WR5	DWU	Continue watershed Protection Program (Ongoing)
WR5	DWU	Participate in the Upper Trinity River Basin Water Quality Compact (Ongoing)
WR5	DWU	Participate with USGS and other local entities in stream flow and water quality sampling (Ongoing)
WR5	DWU	Participate in Zebra Mussel study and monitoring with USGS (Ongoing)
WR5	DWU	Update current Stormwater Quality Monitoring Program to include other surface water bodies and expand upon parameters monitored (Ongoing)
WR5	DWU	Explore feasibility of a site specific TMDL Plan for White Rock Creek to protect public health (Ongoing)
WR6: Continue to protect and monitor water quality by tracking emerging contaminants that may impact public health.		
WR6	DWU	With Parks and Recreation, Public Works, and Development Services develop a plan to educate and support customers in regulatory-driven programs for lead and copper monitoring within schools, childcare centers, and public spaces (Ongoing)
WR6	DWU	Participate with USGS and other entities in Harmful Algal Bloom (HAB) study in the DFW area (Ongoing)
WR7: Use FEMA Community Rating System to educate and protect communities from flooding.		
WR7	DWU	Use rating system to educate flood-prone communities (Ongoing)
WR8: Complete the implementation of major planned and ongoing drainage infrastructure projects to improve community resilience to flooding.		
WR8	DWU	Continue construction of Mill Creek Drainage Relief Tunnel scheduled for completion in 2025 (Ongoing)
WR8	DWU	Continue acquisition of parcels for the Dallas Floodway Extension (DFE) (Ongoing)
WR8	DWU	Continue to support the USACE design process for Dallas Floodway Extension (DFE) (Ongoing)
WR8	DWU	Continue to support design builds efforts of Dallas Floodway (DF) (Ongoing)



Table 5: FY24 Actions and Milestones Continued

WR9: Initiate a comprehensive Storm Drainage System assessment and planning process.		
WR9	DWU	Continue comprehensive storm drainage assessment activities that will identify resources and organizational needs, assess infrastructure condition, identify critical projects, and evaluate stormwater utility funding needs (Ongoing)
WR9	DWU	Identify measures and priorities to reduce flooding now and in the future (Ongoing)
WR9	DWU	Initiate critical projects to be funded through long-term CIP (Ongoing)
WR9	DWU	Evaluate funding mechanisms to implement critical projects (Ongoing)
WR11: Continue monitoring, evaluating, and updating the Drought Contingency Plan.		
WR11	DWU	Continue to monitor and evaluate effectiveness of the Drought Contingency Plan (Ongoing)
WR11	DWU	Update Drought Contingency Plan as necessary (Ongoing)
WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events.		
WR12	DWU	Evaluate potential to install secondary power sources for critical infrastructure (Ongoing)
WR12	DWU	Evaluate recommended risk management strategies developed as part of a completed Risk and Resilience Assessment for DWU’s critical water facilities to plan and prioritize future mitigation measures (Ongoing)
WR12	DWU	Update Risk Resilience Assessment Report as necessary (Ongoing)
WR12	DWU	Update Continuity of Operations Plan DWU Annex as necessary (Ongoing)
WR12	DWU	Evaluate potential ways to go off-grid for wastewater (Ongoing)
WR12	DWU	Initiate Department Wide Security Master Plan Update (Water, Wastewater, and Stormwater) (Ongoing)
WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.		
WR13	DWU	Evaluate improvements to existing process utilizing new technology to improve water quality (Ongoing)
WR14: Evaluate new or improved operational strategies and technologies to optimize the use of chemicals and reduce energy usage at water and wastewater treatment facilities.		
WR14	DWU	Evaluate improvements to existing process and procedures to optimize water and wastewater treatment (Ongoing)
WR15: Continue investment in sewer collection system to reduce inflow/infiltration (I/I) to improve water quality and reduce energy usage.		
WR15	DWU	Continue aggressive wastewater internal inspection, cleaning, and repair activities (Ongoing)
WR15	DWU	Implement activities in the SSO initiative and report to TCEQ annually (Ongoing)



GOAL 6: DALLAS PROTECTS AND ENHANCES ITS ECOSYSTEMS, TREES, AND GREENSPACES THAT IN TURN IMPROVE PUBLIC HEALTH.

Why it matters? Increased temperatures and droughts have dire impacts on urban ecosystems, trees, and green spaces. In 2011, the drought killed approximately 5.6 million trees in urban areas across the state. Open spaces such as parks, urban forests, and prairies can deliver multiple benefits including reducing the urban heat island effect, sequestering carbon, reducing air pollution and managing flooding, as well as providing benefits to urban and migrating species in the form of habitat protection and biodiversity. Dallas can significantly reduce the urban heat island effect by preserving and expanding the urban forest, in combination with increased use of light-colored materials in the urban realm.

Total actions underway: 7
Total milestones: 41

Table 6: FY23-24 Goal 6 Actions and Milestones

Action	Dept	Milestone
EG1: Increase and improve access to green spaces particularly within vulnerable communities to reduce impact of urban heat island, localized flooding, and improve public health.		
EG1	PKR	Track acquisition of land (Ongoing)
EG1	PKR	Track development of parks (Ongoing)
EG1	PKR	Track development of trails (Ongoing)
EG1	OEQS	Utilize the 2023 NOAA-Dallas Urban Heat Island Mapping data to guide equitable efforts to evaluate cooling solutions in Dallas communities and identify hotspots.
EG1	OEQS	Explore feasibility to conduct a Dallas Urban Heat Island Mapping study in areas not included in the 2023 NOAA-Dallas Urban Head Island Mapping study
EG1	OEQS	Participate in the Resilient Infrastructure Technical Assistance Program led by the Smart Surfaces Coalition
EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.		
EG2	DWU	Continue comprehensive storm drainage system assessment activities to identify areas prone to current and future flood risk (Ongoing)
EG2	DEV	Use Drainage Design Manual (2019) and Complete Streets Design Manual (2019) as design guidelines (Ongoing)
EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.		
EG3	PKR	Technical team of the Urban Forestry Task Force will conduct tree inventories (Ongoing)
EG3	PKR	Conduct tree assessments (Ongoing)
EG3	PKR	Increase the tree canopy through tree planting events (Ongoing)
EG3	PBW	Continue MOWmentum program to work with HOAs and Neighborhood Associations and encourage them to adopt a median and beautify by planting trees (Ongoing)
EG3	PBW	Continue to collaborate with Branch Out Dallas (Ongoing)
EG3	PUD	Develop reforestation prioritization strategy through land use analysis (Ongoing)
EG3	PKR	Continue implementation of Emerald Ash Borer Response Plan
EG3	DEV	Identify neighborhoods and parks for pilot tree inventory and initiate inventory



Table 6: FY24 Actions and Milestones Continued

EG4: Continue ongoing programs to collaborate with community organizations to promote tree planting efforts, protection of trees and prairies, and drought tolerant landscapes.		
EG4	PKR	Develop best management practices for improving/maintaining prairie health, for example, initiate species-specific herbicide for Johnson grass (Ongoing)
EG4	PKR	Continue partnerships with Texas Trees Foundation (Ongoing)
EG4	DWU	With City-Wide Task Force, including DWU, Parks and Rec, Public Works and Development Services, work with community-based organizations on land stewardship programs that educate residents and businesses and that plant and maintain trees in areas subject to heat island impacts (Ongoing)
EG4	DWU	Increase community outreach on tree knowledge and forest education (Ongoing)
EG4	PKR	Support partnerships and initiatives that protect and expand Blackland Prairies, as feasible (Ongoing)
EG4	DWU	Continue Branch Out Dallas, Branching Out Dallas, and Reforestation Program (Ongoing)
EG4	PKR	Track Branching Out events (Ongoing)
EG4	PKR	Track trees planted (Ongoing)
EG4	DWU	Participate in scheduled City-wide Tree Task Force meetings (Ongoing)
EG4	PKR	Track participation in tree planting events (Ongoing)
EG4	PKR	Continue to expand the Adopt-a-Prairie program (Ongoing)
EG4	PBW	Provide support for TreeKeeper program with DWU and PKR (Ongoing)
EG4	PBW	Identify and designate trees under Article X Historic Tree status (Ongoing)
EG4	PKR	Implement actions to mitigate the adverse effects of the Emerald Ash Borer and other destructive wood boring pest
EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.		
EG5	PKR	Continue to update the Park Maintenance Operation Standard as new practices are used, with a focus on ecofriendly and sustainable practices (Ongoing)
EG5	PKR	Train staff on new practices as applicable (Ongoing)
EG5	OEQS	Continue to work with Parks, PBW, Code and others to develop and implement electric-powered lawn equipment incentive program
EG8: Improve the quality of urban ecosystems in Dallas through the sustainable appropriate design, creation, and planting of urban habitats.		
EG8	DWU	Collaborate with city departments to execute the Urban Forest Master Plan (Ongoing)
EG8	DWU	Conduct quarterly meetings with PKR to ensure alignment of DWU and PKR operations and capital projects. (Ongoing)
EG8	PKR	Continue the following programs: Blackland prairie restoration, wildflower areas, pollinator gardens, invasive removals (Ongoing)
EG8	PKR	Continue work for the Bird City Texas program and the 27 practices that must be done to achieve this certification (Ongoing)



Table 6: FY24 Actions and Milestones Continued

City of Dallas

EG9: Support public and private partnerships using nature-based solutions to address public health challenges.		
EG9	DEV	Provide technical assistance with grant writing as needed (Ongoing)
EG9	DEV	Provide informational resources on funding opportunities and financing options to nonprofits (Ongoing)
EG9	DEV	Work with the Nature Conservancy, ReTreet, and Texas Trees Foundation on Breathe Easy Dallas, post-tornado reclamation and Cool Schools programs (Ongoing)
EG9	OEQS	Support ongoing efforts of the UFMP to incorporate nature-based solutions. (Ongoing)



GOAL 7: ALL DALLAS' COMMUNITIES HAVE ACCESS TO HEALTHY, LOCAL FOOD.

Why it matters? The region's food is heavily dependent on food suppliers from outside of Texas and the United States. Extreme weather events can lead to power outages, and damage to transportation infrastructure, which may lead to supply chain vulnerability and food spoilage. Communities who already face food insecurity become more vulnerable to the above-mentioned impacts. Local food production reduces emissions related to 'food miles' and stimulates local economic development and green jobs.

Total actions underway: 11

Total milestones: 17

Table 7: FY23-24 Goal 7 Actions and Milestones

Action	Dept	Milestone
FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.		
FA1	OEQS	Participate in the North Texas Food Policy Alliance (Ongoing)
FA1	OEQS	Continue "Grow With Us - Field Edition" to encourage greater communication and volunteer support for local farm enterprises (Ongoing)
FA1	OEQS	Implement actions to increase both access to local healthy food and local production (Ongoing)
FA1	OEQS	Convene Dallas Inncity Growers' Summit (DIGS)
FA2: Create a Food Advisory Council.		
FA2	OEQS	Meet with the Urban Ag Stakeholder Group on a regular basis to advise on the implementation of the Urban Agriculture Plan
FA3: Develop a Dallas Comprehensive Food and Urban Agriculture Plan.		
FA3	OEQS	Develop annual Comprehensive Urban Agriculture Implementation Work Plan
FA3	OEQS	Implement FY24 Comprehensive Urban Agriculture Implementation Work Plan
FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.		
FA4	ECO	Continue to support Healthy Food Dallas Initiative (Ongoing)
FA5: Support nonprofits solving food justice issues in Dallas with grant writing and developing creative financing options.		
FA5	OEQS	Initiate the Urban Agriculture Infrastructure Grant Program that provides community farm assistance to community gardens in historically disadvantaged communities
FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.		
FA6	ECO	Support existing programs related to transportation and food access (Ongoing)



Table 7: FY24 Actions and Milestones Continued

FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.		
FA7	ECO	Evaluate feasibility of incorporating mobile grocery stores into the Healthy Food Dallas Initiative
FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.		
FA9	POM	Initiate development of and pilot local food procurement procedures to support policy development (Ongoing)
FA8: Support the creation of food related green jobs in production, processing, storage, distribution, and waste management.		
FA8	OEQS	Support OEI's Growers Education & Workforce Development Grant Program as needed
FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.		
FA13	OEQS	Continue to identify food diversion organizations and host a roundtable to identify synergies and opportunities for city-sponsored collaboration
FA14: Adopt a special events ordinance that encourages procurement of locally sourced food, recycling of waste generated, and compost bins at special events.		
FA14	CES	Continue partnership with OEQS' Zero Waste program for the continued implementation of the pilot recycling program and incorporate language within Ordinance 42-A to encourage the participation in the program once established (Ongoing)
FA14	OEQS	Implement a pilot for responsible waste management at special events (Ongoing)
FA14	OEQS	Include education and separate waste collection streams as part of pilot (Ongoing)



GOAL 8: ALL DALLAS' COMMUNITIES BREATHE CLEAN AIR.

Why it matters? Increases in temperature exacerbates poor air quality, putting vulnerable population further at risk. Dallas County consistently fail to meet federal air quality standards 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 actions underway: 4

Total milestones: 15

Table 8: FY23-24 Goal 8 Actions and Milestones

Action	Dept	Milestone
AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.		
AQ1	OEQS	Maintain regulatory air monitoring and sampling programs in coordination with TCEQ (Ongoing)
AQ1	OEQS	Make data from regulatory air monitoring stations available to the public (Ongoing)
AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.		
AQ2	OEQS	Administer two grants for air quality sensors, include efforts to coordinate neighborhood communication, and efforts to partner with public health experts to develop and implement appropriate interventions (Ongoing)
AQ2	OEQS	Use resulting neighborhood level data to track progress for air quality improvement (Ongoing)
AQ2	OEQS	Make data from neighborhood air quality sensors available to the public
AQ2	OEQS	Implement Community outreach and engagement in Racial Equity Opportunity Zones to attain community concerns and ideas concerning local air quality monitoring
AQ2	OEQS	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
AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.		
AQ3	OEQS	Continue to support Air North Texas Campaign and expand where feasible (Ongoing)
AQ3	OEQS	Work with partners to reduce illegal commercial truck parking and idling in historically disadvantaged communities
AQ4: Ensure new industries are an appropriate distance away from neighborhoods.		
AQ4	PUD	Through Forward Dallas, understand, characterize, and propose proactive city strategies to address situations with inequitable industrial proximity to residential uses (Ongoing)
AQ4	OEQS	Tailor communication to suit needs of different communities (Ongoing)
AQ4	PUD	Update Development Code to address Batch Plant and other Industrial Site uses in and near neighborhoods



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Table 8: FY24 Actions and Milestones Continued

AQ4	OEQS	Continue to work with OEI and ODA to develop a Dallas-Specific Environmental Justice tool
AQ4	OEQS	Share Environmental Justice tool with City staff and provide training so there is a good understanding of potential EJ impacts associated with City operations and practices (including batch plant locations supporting City construction)
AQ4	OEQS	Work to expand the City's Brownfield Program as appropriations allow, to address existing sources of pollution, increase potential redevelopment and economic growth in previously under-invested areas (Ongoing)



IV. Tracking and Accountability

Environmental and climate action planning is a cyclical and iterative process. The City of Dallas Office of Environmental Quality and Sustainability works with other City departments to track and publish quarterly progress reports summarizing CECAP activities. The City is committed to track and publicly report on the implementation of the actions and milestones. This information will be shared on a public facing dashboard available at dallasclimateaction.com and reported on the Dallas 365 dashboard that tracks progress on budget performance measures aligned to the City's eight strategic priorities. This data is used to review progress towards meeting the GHG emission targets and expanding on trend analysis to assess if additional actions may be necessary to improve progress towards the goals of the Paris Agreement.

V. Stakeholder Engagement

Successful implementation of the CECAP involved several internal and external stakeholder groups. These different groups provided input on CECAP implementation and reported regularly on progress throughout the year. Work with these groups will continue in FY24 and include:

Parks, Trails, and the Environment Committee (PTE) was established by Mayor Johnson to ensure Dallas is a global climate leader; and creating and implementing the City's Comprehensive Environmental & Climate Action Plan.

Environmental Commission is an advisory board comprised of 15 voting members and 8 non-voting technical experts—one per CECAP goal. The Commission has also established a number of subcommittees to address key focus areas.

Leading Environmental Action Forward (LEAF) is the internal CECAP implementation coordination group with key departments, with roles in implementing various actions and goals within the CECAP. The LEAF members serve as subject matter experts to aid in the implementation of CECAP action items and assist in collecting related performance.

Regional Integration of Sustainability Efforts (RISE) Coalition is a collaboration of North Texas governmental and quasi-governmental organizations working together to reduce harmful emissions, share best practices, lessons learned and resources to support collaboration on regional sustainability and environmental initiatives.

VI. Budget

Fiscal Year 2023-2024 Budget

All milestones are subject to related annual budget appropriations. The City's FY24 Budget includes an investment of approximately \$561.4 million to advance the City's Environment and Sustainability priority, much of which supports CECAP implementation. The Budget includes \$2.35 million in funding specifically for direct CECAP implementation by the Office of Environmental Quality & Sustainability (OEQS). In addition, OEQS will use \$1.5 million to help establish a Brownfield Environmental Justice Program through a multi-year fund. Funding aligns with programs and priorities laid out in this work plan, unless otherwise directed and approved by the City Council.



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Department Abbreviations

AVI	Aviation
BCM	Bond & Construction Management
BSD	Building Services
CCS	Code Compliance
CES	Convention & Event Services
DWU	Dallas Water Utilities
ECO	Office of Economic Development
EFM	Equipment & Fleet Management
HOU	Housing & Neighborhood Revitalization
OAC	Office of Arts and Culture
OEQS	Office of Environmental Quality & Sustainability
PKR	Park & Recreation
PUD	Planning & Urban Design
POM	Procurement Services
PBW	Public Works
SAN	Sanitation Services
DEV	Development Services
TRN	Transportation