

# Memorandum



DATE December 4, 2023

CITY OF DALLAS

TO Honorable Chair Stewart and Members of the Parks, Trails, & the Environment Committee

SUBJECT **CECAP Fiscal Year 2023 Implementation Summary**

This memorandum provides an update on progress of the City's Comprehensive Environmental & Climate Action Plan (CECAP) during its third year of implementation (FY23).

## **INTRODUCTION**

As background, the Office of Environmental Quality and Sustainability (OEQS) develops an annual Implementation Work Plan (IWP) that provides an overview of efforts planned under the CECAP. The IWP outlines efforts that collectively maintain the City of Dallas as a leader in reducing emissions and sets the path forward toward addressing climate and environmental risk with effective, equitable, and common-sense solutions.

Year three of the CECAP focused on the City Manager's new value of service: Engagement. Community engagement has long been a priority of OEQS and is now rooted in the City's core values. Prioritizing engagement with our community members respects the rights of all members of the community to be informed, consulted, involved, and empowered. The FY23 IWP included activation of 73 of the CECAP's 97 actions. These 73 actions were divided into 202 milestones, which were tracked and reported on quarterly.

Four stakeholder groups continue to advise on outreach, trajectory, and milestones. These groups include the Parks, Trails, and Environment Committee (PTE) (formerly the Environment and Sustainability Committee), the Environmental Commission (EVC), Leading Environmental Action Forward (LEAF), and Regional Integration of Sustainability Efforts (RISE) Coalition. More information on each of these groups can be found in the CECAP FY23 Implementation Work Plan.

## **FY23 CECAP IMPLEMENTATION SUMMARY**

The City Manager's Office established two goals toward CECAP implementation. The goals are to 1) Complete 92% of FY23 IWP milestones and 2) Activate 75% of CECAP actions annually. Thanks to the ongoing effort and collaboration of 17 City departments, as well as external partner organizations, both goals have been met. Of the 202 milestones in the FY23 Implementation Work Plan, 192 (95%) are completed and 10 (5%) remain in progress. Of the 192 completed milestones, 158 (78%) are multi-year activities and will remain ongoing into the FY24 work plan. The attached tables detail progress and results by sector.

## **FY23 KEY ACCOMPLISHMENTS**

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

- In May 2023, City Council updated the 2015 mechanical, residential, commercial, electrical, pool systems, and other Building Codes to the current 2021 International Code Council Standards.
- Implemented the Whole Home Dallas Program resource hub to connect residents to existing programs that help with weatherization, energy efficiency, and renewable energy upgrades.

- Launched the Green Job Skills Pilot Program to empower Dallas' workforce and increase skill sets to fulfill high-demand weatherization jobs.
- Harwood Hotel received a \$39,973,850 loan for sustainable and energy efficient improvements through Dallas' Property Assessed Clean Energy (PACE) financing program.

## **GOAL 2: DALLAS GENERATES AND USES RENEWABLE, RELIABLE, AND AFFORDABLE ENERGY.**

- Initiated resilience hub pilot project at Bachman Recreation Center to demonstrate resiliency using solar PV and battery energy store during loss of power in inclement weather conditions.
- Contracted Ameresco Inc. to conduct a comprehensive evaluation of City of Dallas owned properties and buildings for potential future installation of solar photovoltaic (PV) systems.
- BSD has been energy benchmarking City facilities in Energy Star Portfolio Manager. 185 City buildings have been benchmarked.
- Completed first Solar Switch Dallas session to help residents and small businesses secure a discounted price on a rooftop solar installation.

## **GOAL 3: DALLAS' COMMUNITIES HAVE ACCESS TO SUSTAINABLE, AFFORDABLE, TRANSPORTATION OPTIONS.**

- In June 2023, City Council approved a cooperative purchasing agreement with Ford Motor Company to supply Electric Vehicle Supply Equipment (EVSE) needs for Dallas' fleet electrification efforts.
- Began construction to install Direct Current Fast Chargers at Central and Southeast Service Centers.
- Purchased 96 electric fleet vehicles.
- Contracted Modern Geoscience to conduct an evaluation of City of Dallas owned facilities for equitable deployment of public facing EV charging infrastructure.

## **GOAL 4: DALLAS IS A ZERO WASTE COMMUNITY.**

- Continued to actively promote source reduction, recycling, and composting via social media and direct mail marketing as well as outreach and education events.
- Keep Dallas Beautiful received Silver Star recognition status with Keep Texas Beautiful.
- Implemented Waste in Place educational curriculum in 10 DISD schools.
- Advanced Take-A-Peek Curbside Recycling Audit Program through process efficiency and public awareness improvements.

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

- Conserved 87 million gallons of water.
- Served 385 households through the Minor Plumbing Repair Program.
- Continue improvements to existing process and procedures to optimize water at drinking water treatment plants.
- Developed and distributed a community survey to support the update of the Dallas' Water Conservation Five-Year Work Plan.

## **GOAL 6: DALLAS PROTECTS AND ENHANCES ITS ECOSYSTEMS, TREES AND GREEN SPACES THAT IN TURN IMPROVE PUBLIC HEALTH.**

- Collaborated with ReTreet to provide 43 trees to residents in communities affected by the 2019 tornadoes.

- Citywide Tree Task force (DWU, Parks and Rec, Public Works, and Development Services) continue to collaborate and meet with stakeholders, community members, and businesses to provide outreach about tree knowledge and urban forest education.
- Continued implementation of the Urban Forest Master Plan Recommendation 1: Complete a comprehensive tree inventory of all right-of-way and park trees.
- Promoted funding opportunities, like the Reforestation Fund, to amplify the growth of Dallas' tree canopy.

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

- In March 2023, City Council adopted the Comprehensive Urban Agriculture Plan which includes 5 primary action areas, mostly focused around supporting greater local food production in Dallas.
- Launched an Urban Agriculture and Community Health Explorer GIS tool.
- Created and hosted the Dallas InnerCity Growers Summit, an overarching Dallas Urban Agriculture event.
- Awarded a total of \$163,931 to four non-profit organizations to support the Healthy Food Dallas Initiative's Community-Based Solutions Program.

#### **GOAL 8: ALL DALLAS COMMUNITIES BREATHE CLEAN AIR**

- Established the Dallas Community Air Management Project (D-CAMP) to install 8 non-regulatory air quality sensors and make sensor data publicly available through a new online dashboard.
- Convened a Dallas Air Sensor Summit focused on the use or incorporation of non-regulatory sensors.
- Participated in a Heat Island Mapping Campaign in coordination with the National Oceanic and Atmospheric Administration (NOAA).
- Expanded the City's Brownfield Program to address existing sources of pollution, increase potential redevelopment and economic growth in previously under-invested areas.

#### **MOVING FORWARD**

Building on the success of the previous years, year four of CECAP implementation continues with the collaborative effort of 18 City departments, activating a total of 212 milestones. As the CECAP implementation process advances, OEQS continues to support and engage with the LEAF Working Group to ensure activities are sustainable and can continue for many years into the future.

If you have questions, or need additional information regarding this memo, please contact Carlos Evans, OEQS Director (214-670-1642), Paul White II, OEQS Interim Assistant Director (214-671-8979), or OEQS Climate Coordinator, Rosaerlinda Cisneros (214-670-1196).



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

Total milestones: 26

- Complete: 24 (10 Ongoing/Continuing FY24)
- In Progress: 2
- Not Started: 0

**Table 1: FY22-23 Goal 1 Buildings Actions and Milestones**

Status	Dept	Milestone
<b>B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.</b>		
Complete	OEQS	Work with BCM, Parks and BSD to update Green Building Policy to reflect current practice towards Net-Zero Carbon
Complete	OEQS	Plan and hold Annual North Texas Climate Symposium
Complete	OEQS	Plan and implement multi-sector, multi-media, multi-target outreach and engagement program for businesses, education, and community stakeholders
Complete	OEQS	Update OEQS Website to support greater reach for outreach and engagement (Ongoing)
Complete	OEQS	Work with BCM, Parks, and BSD to develop draft specifications towards carbon neutral facility construction for use in 2024 Bond Program
Complete	OEQS	Continue to work with City departments to incorporate CECAP efforts into EMS Objectives and Targets (Ongoing)
<b>B2: Achieve Level 3+ airport carbon accreditation at Love Field for carbon neutral operations, maintain accreditation for DFW, and pursue for Dallas Executive Airport.</b>		
In Progress	AVI	Achieve and maintain Level 3+ Airport Carbon Accreditation at Love Field for carbon neutral operations
<b>B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.</b>		
Complete	OEQS	Provide online resources for tenants and homeowners to provide information on how to reduce energy use and utility bills (Ongoing)
Complete	OEQS	Conduct workshops for building owners and real estate professionals to convey benefits of energy efficiency programs
<b>B4: Implement a citywide building weatherization program through partnership with community organizations.</b>		
Complete	OEQS	Provide ongoing environment and sustainability targeted outreach and education programs to the community (Ongoing)
Complete	OEQS	Launch a weatherization campaign to raise awareness of benefits of home weatherization upgrades
Complete	OEQS	Work with RISE partners to facilitate regional conversations that expand efforts to reduce residential energy burdens
Complete	OEQS	Conduct a green job skills pilot to increase the number of qualified people providing weatherization services
<b>B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.</b>		
Complete	ECO	Expand participation in the City's existing PACE financing program (Ongoing)
Complete	OEQS	Explore feasibility of implementing City programs to incentivize energy efficiency measures for commercial and residential buildings
<b>B6: Establish a building efficiency and electrification program (for existing buildings) to replace appliances and systems with electric and other efficient and cost-effective options.</b>		
Complete	OEQS	Develop building energy efficiency outreach and engagement program
<b>B7: Increase participation and scope of the Dallas Green Business Certification Program.</b>		
Complete	OEQS	Increase awareness and participation in the Green Business Certification program (Ongoing)

Table 1: FY22-23 Goal 1 Actions and Milestones Continued

<b>B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.</b>		
Complete	DEV	Continue to review SolSmart program for consideration of SolSmart designation (Ongoing)
Complete	DEV	Begin review of the Solar APP+ for consideration (Ongoing)
Complete	DEV	Continue current plans to incorporate the permitting aspects of the NCTCOG Go Solar North Texas program (Ongoing)
Complete	DEV	Initiate building code updates upon completion of the NCTCOG 2021 Code Update process
Complete	DEV	Adopt the solar photovoltaics provisions along with the 2021 International Codes
Complete	DEV	Work with CAO on approach towards a local amendment to include the EV charging provisions
<b>B12: Evaluate and consider a zero net energy (ZNE) code for all new buildings and substantial renovations by 2030.</b>		
Complete	OEQS	Develop working group with key building industry stakeholders to begin exploring NZE options for consideration
<b>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.</b>		
In Progress	PUD	Continue work with ZOAC and CPC to adopt greening factors as part of parking reform
<b>B15: Evaluate potential city-owned properties for the creation of resilience hubs.</b>		
Complete	OEQS	Evaluate funding opportunities for creation of resilience hubs (Ongoing)



**GOAL 2: DALLAS GENERATES AND USES RENEWABLE, RELIABLE, AND AFFORDABLE ENERGY.**

Total milestones: 17

- Complete: 16 (12 Ongoing/Continuing FY24)
- In Progress: 1
- Not Started: 0

Table 2: FY22-23 Goal 2 Actions and Milestones

Status	Dept	Milestone
<b>E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.</b>		
In Progress	BSD	Incorporate pilot energy storage technology in next appropriate City facility
<b>E3: Continue partnership with public utility companies on an intensive program on renewable energy options.</b>		
Complete	OEQS	Implement a Whole Home Weatherization Program resource HUB to connect residents with existing services
<b>E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.</b>		
Complete	OEQS	Continue implementation of Green Warrior Project (Ongoing)
<b>E5: Build a regional strategic partnership to promote adoption of renewable energy.</b>		
Complete	OEQS	Continue rooftop solar revolving program as appropriations allow
<b>E6: Establish and invest in renewable energy hubs through partnerships with the private sector.</b>		
Complete	OEQS	Evaluate funding opportunities relating to the development of renewable energy hubs (Ongoing)

Table 2: FY22-23 Goal 2 Actions and Milestones Continued

Complete	OEQS	Identify potential partners in the private sector (Ongoing)
<b>E7: Extend city efforts to develop more renewable energy projects on city facilities</b>		
Complete	BCM	Continuously include renewable energy of new and existing facilities whenever feasible in the scopes of work (Ongoing)
Complete	BCM	Recommend new capital city facility projects to lead in renewable energy facilities where feasible (Ongoing)
Complete	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)
Complete	OEQS	Conduct Solar Site Location Inventory and Evaluation Study
Complete	OEQS	Work with stakeholders to develop guidelines and best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms. (Ongoing)
Complete	OEQS	Support BSD in developing renewable energy projects on city facilities as appropriations allow (Ongoing)
<b>E8: Continue to implement Green Energy Policy for City facilities.</b>		
Complete	BSD	Participate in active discussions with other departments to evaluate potential for developing on-site and off-site renewable energy projects (Ongoing)
Complete	BSD	Continue to implement current green energy policy under the existing utility contract for procuring 100% renewable energy and associated renewable energy credits (Ongoing)
<b>E9: Extend partnership with organizations like PACE and other public utility companies to provide further incentives for renewable energy.</b>		
Complete	OEQS	Explore feasibility of implementing City program to incentivize solar installation for commercial and residential buildings
<b>E10: Advocate for renewable energy policies at the state and federal levels.</b>		
Complete	OEQS	Support OGP Legislative advocacy of renewable energy policy in state and federal legislation (Ongoing)
Complete	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.**

Total milestones: 28

- Complete: 24 (21 Ongoing/Continuing FY24)
- In Progress: 4
- Not Started: 0

Table 3: FY22-23 Goal 3 Actions and Milestones

Status	Dept	Milestone
<b>T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.</b>		
Complete	BCM	Participate in partnerships with internal and external entities to establish light duty fleet in conjunction with city facilities locations (Ongoing)
Complete	OEQS	Support NCTCOG's Clean Cities efforts to promote vehicle electrification (Ongoing)
In Progress	EFM	Implement Fleet Electrification Feasibility Study

Table 3: FY22-23 Goal 3 Actions and Milestones Continued

In Progress	EFM	Continue to grow the Alternative Fuels options for the City
In Progress	EFM	Begin construction on “Infrastructure Plan” by installing charging stations at various City facilities to support fleet vehicle electrification
In Progress	EFM	Purchase Electric Vehicles and evaluate pooling of resources
<b>T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.</b>		
Complete	OEQS	Work with the internal City EV Working Group to develop a strategy to deploy electric vehicle infrastructure on municipal property
Complete	OEQS	Work with partners to increase electric vehicle charging infrastructure in equity priority areas
<b>T5: Support and expand recommended Travel Demand Management strategies identified in the Strategic Mobility Plan.</b>		
Complete	PUD	Align Forward Dallas with Travel Demand Management strategies from the Strategic Mobility Plan (Ongoing)
<b>T7: Secure resources to implement the existing bicycle network masterplan.</b>		
Complete	PUD	Participate in bike plan update process (Ongoing)
Complete	TRN	Update the 2011 Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities (Ongoing)
Complete	PBW	Implement bicycle facilities and lanes, depending on City Council annual appropriations. (Ongoing)
Complete	TRN	Include considerations for additional micro-mobility technologies (i.e.scooters) in addition to cycling in the Bike Plan update (Ongoing)
<b>T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.</b>		
Complete	PUD	Partner with stakeholders to ensure alignment with city plans including Strategic Mobility Plan, CECAP, Bike Plan, etc. (Ongoing)
<b>T9: Increase bus service across the city by adding new routes, shortening headways, and overall increasing service reliability and customer experience.</b>		
Complete	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)
<b>T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.</b>		
Complete	OEQS	Support regional air quality improvement efforts to reduce single occupancy vehicle trips (Ongoing)
Complete	OEQS	Support TRN on implementation of Connect Dallas trip reduction actions (Ongoing)
Complete	OEQS	Work with City Staff to provide incentives and track emissions reduced through our alternative commute programs. (Ongoing)
<b>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.</b>		
Complete	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts (Ongoing)
Complete	PUD	Continue development of Forward Dallas (Ongoing)
<b>T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.</b>		
Complete	PUD	Consider transit-oriented development guidelines and strategies as part of Forward Dallas (Ongoing)
<b>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.</b>		
Complete	TRN	Establish On-Street Parking/Curb Management Policy (Ongoing)
Complete	PUD	Consider amending the parking code (Ongoing)
Complete	OEQS	Support parking code amendment process (Ongoing)

Table 3: FY22-23 Goal 3 Actions and Milestones Continued

<b>T15: Implement green infrastructure programs that specify design and performance standards that treat the right-of-way as both a mobility and green infrastructure asset.</b>		
Complete	DWU	Continue City Leadership and Commitment Grant Program to support green infrastructure (Ongoing)
<b>T16: Convert all traffic lights and streetlights to LEDs.</b>		
Complete	TRN	Convert lights to LED as funding is made available; All new lighting projects require LED whether City-owned, Oncon-owned or TxDOT-owned (also with Office of Integrated Police Solutions) (Ongoing)
Complete	TRN	Initiate conversion of streetlights to LEDs, where feasible (Ongoing)
<b>T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including, but not limited to local and regional delivery trucks and other heavier vehicles.</b>		
Complete	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.**

Total milestones: 19

- Complete: 18 (17 Ongoing/Continuing FY24)
- In Progress: 1
- Not Started: 0

Table 4: FY22-23 Goal 4 Actions and Milestones

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



Table 4: FY22-23 Goal 4 Actions and Milestones Continued

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



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

Total milestones: 46

- Complete: 46 (46 Ongoing/Continuing FY24)
- In Progress: 0
- Not Started: 0

Table 5: FY22-23 Goal 5 Actions and Milestones

Status	Dept	Milestone
<b>WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.</b>		
Complete	OEQS	Continue to offer rebate and incentive-based programs to promote water conservation to resourcefully manage the City's annual GPCD (Ongoing)
Complete	OEQS	Continue to evaluate and assess program performance to ascertain program viability. (Ongoing)
Complete	OEQS	Continue to offer education and outreach opportunities to promote water conservation to resourcefully manage the City's GPCD (Ongoing)
Complete	OEQS	Continue the 'Save Water. Nothing Can Replace It.' local public awareness campaign, promoting local conservation programs and educational opportunities for DWU customers (Ongoing)
Complete	OEQS	Maintain SaveDallasWater.org website (Ongoing)
Complete	OEQS	Continue to improve social media strategies (Ongoing)
Complete	OEQS	Evaluate social media engagement platforms (Ongoing)
Complete	OEQS	Evaluate and participate in partnerships with other agencies for public awareness activities (Ongoing)
Complete	DWU	Continue activities and efforts related to the "Defend Your Drains" public awareness campaign (Ongoing)
Complete	OEQS	Continue the North Texas Regional unified public awareness campaign (Ongoing)

Table 5: FY22-23 Goal 5 Actions and Milestones Continued

Complete	OEQS	Continue to partner with other agencies in the North Texas Regional Water Conservation Symposium (Ongoing)
Complete	DWU	Continue water conservation outreach efforts to support wholesale customer cities (Ongoing)
<b>WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.</b>		
Complete	DWU	Continue existing leak detection programs (Ongoing)
Complete	DWU	Continue requesting and tracking TWDB Annual Water Conservation Reports for wholesale customer cities, which include 5- and 10-year water loss targets (Ongoing)
<b>WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.</b>		
Complete	OEQS	Continue to offer free automatic irrigation system evaluations and promote best management practices on outdoor watering (Ongoing)
Complete	OEQS	Develop additional resources to promote reducing outdoor water use (Ongoing)
Complete	OEQS	Continue ongoing education and outreach programs to promote best management practices that recognize landscape design that reduces water consumption (Ongoing)
<b>WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.</b>		
Complete	DWU	Continue watershed Protection Program (Ongoing)
Complete	DWU	Participate in the Upper Trinity River Basin Water Quality Compact (Ongoing)
Complete	DWU	Participate with USGS and other local entities in stream flow and water quality sampling (Ongoing)
Complete	DWU	Participate in Zebra Mussel study and monitoring with USGS (Ongoing)
Complete	DWU	Update current Stormwater Quality Monitoring Program to include other surface water bodies and expand upon parameters monitored (Ongoing)
Complete	DWU	Explore feasibility of a site specific TMDL Plan for White Rock Creek to protect public health (Ongoing)
<b>WR6: Continue to protect and monitor water quality by tracking emerging contaminants that may impact public health.</b>		
Complete	DWU	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)
Complete	DWU	Participate with USGS and other entities in Harmful Algal Bloom (HAB) study in the DFW area (Ongoing)
<b>WR7: Use FEMA community rating system to educate and protect communities from flooding.</b>		
Complete	DWU	Use rating system to educate flood-prone communities (Ongoing)
<b>WR8: Complete the implementation of major planned and ongoing drainage infrastructure projects to improve community resilience to flooding.</b>		
Complete	DWU	Continue construction of Mill Creek Drainage Relief Tunnel scheduled for completion in 2023 (Ongoing)
Complete	DWU	Continue acquisition of parcels for the Dallas Floodway Extension (DFE) (Ongoing)
Complete	DWU	Continue to support the USACE design process for Dallas Floodway Extension (DFE) (Ongoing)
Complete	DWU	Continue to support design builds efforts of Dallas Floodway (DF) (Ongoing)

Table 5: FY22-23 Goal 5 Actions and Milestones Continued

<b>WR9: Initiate a comprehensive storm drainage system assessment and planning process.</b>		
Complete	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)
Complete	DWU	Identify measures and priorities to reduce flooding now and in the future (Ongoing)
Complete	DWU	Identify critical projects to be funded through long-term CIP (Ongoing)
Complete	DWU	Evaluate funding mechanisms to implement critical projects (Ongoing)
<b>WR11: Continue monitoring, evaluating, and updating the drought contingency plan.</b>		
Complete	DWU	Continue to monitor and evaluate effectiveness of the Drought Contingency Plan (Ongoing)
Complete	DWU	Update Drought Contingency Plan as necessary (Ongoing)
<b>WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events</b>		
Complete	DWU	Evaluate potential to install secondary power sources for critical infrastructure (Ongoing)
Complete	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)
Complete	DWU	Update Risk Resilience Assessment Report as necessary (Ongoing)
Complete	DWU	Update Continuity of Operations Plan DWU Annex as necessary (Ongoing)
Complete	DWU	Evaluate potential ways to go off-grid for wastewater (Ongoing)
Complete	DWU	Initiate Department Wide Security Master Plan Update (Water, Wastewater, and Stormwater) (Ongoing)
<b>WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.</b>		
Complete	DWU	Evaluate improvements to existing process utilizing new technology to improve water quality (Ongoing)
<b>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.</b>		
Complete	DWU	Evaluate improvements to existing process and procedures to optimize water and wastewater treatment (Ongoing)
<b>WR15: Continue investment in sewer collection system to reduce inflow/infiltration (I/I) to improve water quality and reduce energy usage.</b>		
Complete	DWU	Continue aggressive wastewater internal inspection, cleaning, and repair activities (Ongoing)
Complete	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.**

Total milestones: 39

- Complete: 38 (35 Ongoing/Continuing FY24)
- In Progress: 1
- Not Started: 0

**Table 6: FY22-23 Goal 6 Actions and Milestones**

Status	Dept	Milestone
<b>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.</b>		
Complete	PKR	Track acquisition of land (Ongoing)
Complete	PKR	Track development of parks (Ongoing)
Complete	PKR	Track development of trails (Ongoing)
<b>EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.</b>		
Complete	DWU	Continue comprehensive storm drainage system assessment activities to identify areas prone to current and future flood risk (Ongoing)
Complete	PBW	Use Drainage Design Manual (2019) and Complete Streets Design Manual (2013) as design guidelines (Ongoing)
<b>EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.</b>		
Complete	PKR	Technical team of the Urban Forestry Task Force will conduct tree inventories (Ongoing)
Complete	PKR	Conduct tree assessments (Ongoing)
Complete	PKR	Increase the tree canopy through tree planting events (Ongoing)
Complete	PBW	Continue MOWmentum program to work with HOAs and Neighborhood Associations and encourage them to adopt a median and beautify by planting trees (Ongoing)
Complete	PBW	Continue to collaborate with Branch Out Dallas (Ongoing)
Complete	PUD	Develop reforestation prioritization strategy through land use analysis (Ongoing)
Complete	DEV	Identify neighborhoods and parks for pilot tree inventory and initiate inventory
In Progress	PUD	Implement Emerald Ash Borer Response Plan
<b>EG4: Continue ongoing programs to collaborate with community organizations to promote tree planting efforts, protection of trees and prairies, and drought tolerant landscapes.</b>		
Complete	PKR	Develop best management practices for improving/maintaining prairie health, for example, initiate species-specific herbicide for Johnson grass (Ongoing)
Complete	PKR	Continue partnerships with Texas Trees Foundation (Ongoing)
Complete	DWU	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)
Complete	DWU	Increase community outreach on tree knowledge and forest education (Ongoing)
Complete	PKR	Support partnerships and initiatives that protect and expand Blackland Prairies, as feasible (Ongoing)

Table 6: FY22-23 Goal 6 Actions and Milestones Continued

Complete	DWU	Continue Branch Out Dallas, Branching Out Dallas, and Reforestation Program (Ongoing)
Complete	PKR	Track Branching Out events (Ongoing)
Complete	PKR	Track trees planted (Ongoing)
Complete	DWU	Participate in scheduled City-wide Tree Task Force meetings (Ongoing)
Complete	PKR	Track participation in tree planting events (Ongoing)
Complete	PKR	Continue to expand the Adopt-a-Prairie program (Ongoing)
Complete	PBW	Provide support for TreeKeeper program with DWU and PKR (Ongoing)
Complete	PBW	Identify and designate trees under Article X Historic Tree status (Ongoing)
Complete	PKR	Implement actions to mitigate the adverse effects of the Emerald Ash Borer and other destructive wood boring pest
<b>EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.</b>		
Complete	OEQS	Continue to update the Park Maintenance Operation Standard as new practices are used, with a focus on ecofriendly and sustainable practices (Ongoing)
Complete	PKR	Train staff on new practices as applicable (Ongoing)
Complete	PKR	Work with Parks, PBW, Code and others to develop and implement gas-powered leaf blower policy/ subsequent code changes and incentive program
<b>EG8: Improve the quality of urban ecosystems in Dallas through the sustainable appropriate design, creation, and planting of urban habitats.</b>		
Complete	DWU	Partner with Parks for Downtown Dallas to complete Harwood Park (Ongoing)
Complete	DWU	Collaborate with city departments to execute the Urban Forest Master Plan (Ongoing)
Complete	DWU	Conduct quarterly meetings with PKR to ensure alignment of DWU and PKR operations and capital projects. (Ongoing)
Complete	PKR	Continue the following programs: Blackland prairie restoration, wildflower areas, pollinator gardens, invasive removals (Ongoing)
Complete	PKR	Continue work for the Bird City Texas program and the 27 practices that must be done to achieve this certification (Ongoing)
<b>EG9: Support public and private partnerships using nature-based solutions to address public health challenges</b>		
Complete	DEV	Provide technical assistance with grant writing as needed (Ongoing)
Complete	DEV	Provide informational resources on funding opportunities and financing options to nonprofits (Ongoing)
Complete	DEV	Work with the Nature Conservancy, ReTreet, and Texas Trees Foundation on Breathe Easy Dallas, post-tornado reclamation and Cool Schools programs (Ongoing)
Complete	OEQS	Support ongoing efforts of the UFMP to incorporate nature-based solutions. (Ongoing)



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

Total milestones: 14

- Complete: 14 (9 Ongoing/Continuing FY24)
- In Progress: 0
- Not Started: 0

**Table 7: FY22-23 Goal 7 Actions and Milestones**

Status	Dept	Milestone
<b>FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.</b>		
Complete	OEQS	Participate in the North Texas Food Policy Alliance (Ongoing)
Complete	OEQS	Continue "Grow With Us - Field Edition" to encourage greater communication and volunteer support for local farm enterprises (Ongoing)
Complete	OEQS	Convene Urban Agriculture Summit
Complete	OEQS	Implement actions to increase both access to local healthy food and local production (Ongoing)
<b>FA2: Create a Food Advisory Council.</b>		
Complete	OEQS	Meet with the Urban Ag Stakeholder Group on a regular basis to advise on the adoption and implementation of the Urban Agriculture Plan
<b>FA3: Develop a Dallas Comprehensive Food and Urban Agriculture Plan.</b>		
Complete	OEQS	Develop and implement comprehensive Urban Ag outreach and engagement program
<b>FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.</b>		
Complete	ECO	Continue to support Healthy Food Dallas Initiative (Ongoing)
<b>FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.</b>		
Complete	ECO	Support existing programs related to transportation and food access (Ongoing)
<b>FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.</b>		
Complete	ECO	Evaluate feasibility of incorporating mobile grocery stores into the Healthy Food Dallas Initiative
<b>FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.</b>		
Complete	POM	Initiate development of and pilot local food procurement procedures to support policy development (Ongoing)
<b>FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.</b>		
Complete	OEQS	Identify food diversion organizations and host a roundtable to identify synergies and opportunities for city-sponsored collaboration
<b>FA14: Adopt a special events ordinance that encourages procurement of locally sourced food, recycling of waste generated, and compost bins at special events.</b>		
Complete	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)
Complete	OEQS	Implement a pilot for responsible waste management at special events (Ongoing)
Complete	OEQS	Include education and separate waste collection streams as part of pilot (Ongoing)



**GOAL 8: ALL DALLAS' COMMUNITIES BREATHE CLEAN AIR.**

Total milestones: 13

- Complete: 12 (8 Ongoing/Continuing FY24)
- In Progress: 1
- Not Started: 0

**Table 8: FY 22-23 Goal 8 Actions and Milestones**

Status	Dept	Milestone
<b>AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.</b>		
Complete	OEQS	Make data from air monitoring stations available to the public (Ongoing)
Complete	OEQS	Maintain regulatory air monitoring and sampling programs in coordination with TCEQ (Ongoing)
<b>AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.</b>		
Complete	OEQS	Administer two new grants for air quality monitoring, include efforts to coordinate neighborhood communication, and efforts to partner with public health experts to develop and implement appropriate interventions (Ongoing)
Complete	OEQS	Use resulting neighborhood level data to track progress for air quality improvement (Ongoing)
Complete	OEQS	Implement Community outreach and engagement in Racial Equity Opportunity Zones to attain community concerns and ideas concerning local air quality monitoring
Complete	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
<b>AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.</b>		
Complete	OEQS	Continue to support Air North Texas Campaign and expand where feasible (Ongoing)
Complete	OEQS	Work with partners to reduce illegal commercial truck parking and idling in historically disadvantaged communities
<b>AQ4: Ensure new industries are an appropriate distance away from neighborhoods.</b>		
Complete	PUD	Through Forward Dallas, understand, characterize, and propose proactive city strategies to address situations with inequitable industrial proximity to residential uses (Ongoing)
Complete	OEQS	Tailor communication to suit needs of different communities (Ongoing)
In Progress	PUD	Update Development Code to address Batch Plant and other Industrial Site uses in/ near neighborhoods
Complete	OEQS	Work with OEI and ODA to develop a Dallas-Specific Environmental Justice tool; train City Staff in the use of this tool so that there is a good understanding of potential EJ impacts associated with City operations and practices (including batch plant locations supporting City construction)
Complete	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)