

# Memorandum



DATE November 7, 2022

CITY OF DALLAS

TO Honorable Members of the Environment & Sustainability Committee: Paula Blackmon (Chair), Paul Ridley (Vice Chair), Carolyn King Arnold, Adam Bazaldua, Jaime Resendez, Jaynie Schultz, Chad West

SUBJECT **CECAP Fiscal Year 2022 Implementation Summary**

This memorandum provides an update on progress of the City's Comprehensive Environmental & Climate Action Plan (CECAP) during its second year of implementation (FY22).

## **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 Comprehensive Environmental & Climate Action Plan. 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 two of the CECAP expanded on the theme of building capacity through education and outreach, expanding partnerships, amplifying ongoing actions, exploring funding opportunities, pilots and proof of concept projects, and tracking and accountability. The FY22 Implementation Work Plan included activation of 73 of the CECAP's 97 actions. These 73 actions were divided up into 263 milestones, which were tracked and reported on monthly.

During year two, three stakeholder groups advised on outreach, trajectory, and milestones. These groups include the Environment and Sustainability Committee (ENVS), 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 FY22 Work Plan.

## **MILESTONE RESULTS SUMMARY**

The City Manager's Office established a goal that 92% of the FY21-22 workplan milestones be completed this year. Thanks to the ongoing efforts and collaborations of 17 City departments, as well as external partner organizations, the goal has been met. Of the 263 milestones laid out in the FY22 Implementation Work Plan, 248 (94%) are completed. Thirteen (5%) milestones remain in progress, while two (<1%) are not yet started. Of the 248 completed milestones, 57% (151) are multi-year activities and will remain ongoing into the FY22-23 work plan. The attached tables detail progress and results by sector.

## **FY22 KEY ACCOMPLISHMENTS**

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

- In February 2022, the City joined U.S. Department of Energy Better Climate Challenge aimed at reducing energy use in City facilities.

- Performed 140 energy audits of municipal buildings.
- City Council approved contract towards improving energy efficiency of 3 buildings to allow >57 percent energy savings.
- Initiated an OEQS Weatherization Program to address energy equity and initiate green jobs training.
- Worked with the Dallas American Institute of Architects (AIA) Committee on the Environment to develop recommendations to update the City's Green Building Policy to support Net Zero Carbon for City-construction projects by 2030.

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

- Installed an additional 428 KW of solar energy to 3 City buildings, bringing the total to 1,051 kw of renewable energy at 12 City-owned facilities.
- Evaluated at least 5 City buildings/facilities for renewable energy hubs.
- Developed Request for Qualifications for Siting Community Solar Facilities at Deepwood and Loop 12 landfills, and other appropriate City properties.

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

- Completed National Renewable Energy Laboratory (NREL) Fleet Study that will guide City efforts to fleet electrification.
- Committed to replacing 76 gas-powered fleet vehicles with electric vehicles, as part of FY21-22 budget, and 167 for consideration in FY22-23, with consent by vehicle-operating departments.
- Established a working group to address the City's deployment of public facing electric vehicle infrastructure.
- Launched new equitable dockless vehicle program that improves access to micro-mobility like e-bikes and e-scooters.
- Launched update of the Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities.

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

- Completed update to Local Solid Waste Management Plan.
- Actively promoted source reduction, recycling, and composting via social media and direct mail marketing as well as virtual and in-person outreach and education events.
- Worked with the Office of Procurement and several departments to advance the City's Sustainable Procurement Program, addressing integrated pest management to reduce pesticide use, healthy foods for City events, and great use of recycled materials. Improved solid waste, recycling, and brush/bulky waste collection efficiency.

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

- Reduced water consumption (10-year rolling average) by 1.4%.
- Conserved an estimated 76 million gallons of water.
- Initiated planning efforts to improve water quality to effectively address water bodies with identified water quality impairment.
- Continued efforts to reduce process-related greenhouse gas emissions from water treatment facilities.

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

- Park Land Expansion & Tree Canopy Protection (Added 193.8 Acres + 26.5 acres under design/construction).
- Initiated Tree Inventory efforts.
- Initiated Emerald Ash Borer Plan.
- Continued Branch-Out Dallas, Cool Schools, and Re-tree post-storm planting programs resulting in planting over 6,500 trees across Dallas.

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

- Developed a draft Comprehensive Urban Agriculture Plan.
- Initiated Food Advisory Council with both internal and external stakeholders.
- Initiated Healthy Food Procurement for City Events via a Request for Proposals.
- Supported neighborhood, school, and church community gardens.
- Participated in the North Texas Food Policy Alliance through the University of Texas at Arlington Regional Center for Excellence to coordinate food security at a regional level.

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

- Updated batch plant regulations to require public hearings; phase 2 may include buffers or other measures to reduce neighborhood impacts.
- Initiated development of an Environmental Equity Checklist for use on City projects to prevent inappropriate batch plant locations in/near critical receptors, particularly on City-construction efforts.
- Initiated the evaluation of City policy concerning gas-powered landscape equipment.
- Continued the process of updating Comprehensive Land Use Plan to address historic inappropriate legacy land use adjacencies.
- City Council approved approximately \$1.2 million to purchase neighborhood-level air monitors; began purchasing and installing air monitoring equipment based on community input.

**MOVING FORWARD**

Building on the success of the previous years, year three of CECAP implementation continues with the collaborative effort of 17 City departments to activate a total of 202 milestones. As the CECAP implementation process advances (while maintaining alignment with other City plans such as the Racial Equity Plan and the ForwardDallas Comprehensive Land Use Plan), we are incorporating ongoing activities into the service delivery model of our major departments. This ensures the activities are sustainable and will be ongoing 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), Susan Alvarez, OEQS Assistant Director (214-671-9505) or OEQS Senior Climate Coordinator, Pharr Andrews (214-670-3291).



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

Total milestones: 38

- Complete: 35 (7 Ongoing/Continuing FY23)
- In Progress: 3
- Not Started: 0

**Table 1: FY 21-22 Goal 1 Buildings Actions and Milestones**

Status	Dept	Milestone
<b>B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.</b>		
Complete	AVI	Conduct Level II energy audit for DAL Terminal
Complete	AVI	Identify retrofit opportunities
Complete	AVI	Procure and install EV charging stations, where feasible
Complete	BSD	Develop an annual energy report for energy benchmarked City buildings/facilities
Complete	BSD	Develop a plan to energy benchmark a minimum of 175 City buildings/facilities (focused on facilities currently maintained by BSD and energy charges paid through general fund) in Energy Star Portfolio Manager
Complete	BSD	Prioritize at least 10 City buildings/facilities for energy assessments based on energy benchmarking data
Complete	BSD	Evaluate funding opportunities for installing energy conservation measures identified in energy assessments
Complete	BSD	Develop a plan to install energy conservation measures identified in energy assessments
Complete	OEQS	Complete Greenhouse Gas Emissions Inventory through NREL contract
Complete	OEQS	Plan and hold the annual North Texas Climate Symposium
Complete	OEQS	Work with BCM and BSD to develop draft specifications towards net-zero facility construction
<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>		
Complete	AVI	Verify Scopes 1 and 2 emissions for CY2019. Verify Scope 3 emissions for CY 2019
Complete	AVI	Determine CY2019 emissions from third-party operators (Scope 3) per ACA standards
Complete	AVI	Achieve ACA Level 3 or higher accreditation at Love Field Airport
<b>B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.</b>		
Complete	BSD	Support OEQS and other departments in developing building energy efficiency education programs
Complete	OEQS	Provide online resources for tenants about opportunities to reduce energy use and utility bills
Complete	OEQS	Conduct professional workshops for building owners and real estate professionals that convey benefits of energy efficiency programs
Complete	OEQS	Support BSD and other departments in developing building energy efficiency education programs
<b>B4: Implement a citywide building weatherization program through partnership with community organizations.</b>		
Complete	OEQS	Develop resources to connect residents to existing weatherization programs
<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
Complete	OEQS	Support ECO in expanding awareness and participation in PACE programs by publicizing PACE on DallasClimateAction.com and social media
Complete	OEQS	Explore and share new grant and financing opportunities to support energy efficiency building improvements

Table 1: FY 21-22 Goal 1 Actions and Milestones Continued

<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	HOU	Develop guidelines for energy efficient appliances installed under the home repair program
Complete	HOU	Include efficiency requirements as part of the contractor bid review process
<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
Complete	OEQS	Advertise Green Business Certification program in local business publications
<b>B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.</b>		
Complete	DEV	Initiate building code updates upon completion of the NCTCOG 2021 Code Update process
In Progress	DEV	Adopt the solar photovoltaics provisions along with the 2021 International Codes
In Progress	DEV	Work with CAO on approach towards a local amendment to include the EV charging provisions
Complete	DEV	Continue current plans to incorporate the permitting aspects of the NCTCOG Go Solar North Texas program
In Progress	DEV	Adopt 2021 International Energy Conservation Code end of 2022
Complete	DEV	Continue to review SolSmart program for consideration of SolSmart designation
Complete	DEV	Begin review of the Solar APP+ 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>		
Complete	PUD	Consider greening factor requirements as part of parking ordinance reform
<b>B15: Evaluate potential city-owned properties for the creation of resilience hubs.</b>		
Complete	BSD	Evaluate at least 5 City buildings/facilities for resilience hubs based on the rubric prepared by NTREG and equity studies
Complete	BSD	Evaluate funding opportunities for feasibility studies
Complete	OEQS	Evaluate funding opportunities for creation of resilience hubs
Complete	OEQS	Support BSD in evaluating facilities for resilience hubs



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

Total milestones: 28

- Complete: 28 (10 Ongoing/Continuing FY23)
- InProgress: 0
- Not Started: 0

**Table 2: FY 21-22 Goal 2 Actions and Milestones**

Status	Dept	Milestone
<b>E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.</b>		
Complete	BSD	Assess demand response programs for grid reliability in coordination with OEQS and other departments for City buildings/facilities
<b>E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.</b>		
Complete	BSD	Energy storage assessments will be included as part of the feasibility studies for resilience hubs and renewable energy hubs for City buildings/facilities
<b>E3: Continue partnership with public utility companies on an intensive program on renewable energy options.</b>		
Complete	OEQS	Meet with Oncor and/or local REPs to discuss collaborating on a campaign to promote renewable energy in commercial sectors
<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	Work with local nonprofit organizations to expand training opportunities in green careers
Complete	OEQS	Encourage the hiring and/or training of local workforce for city contracts related to renewable energy
Complete	OEQS	Continue to develop and support the Green Warrior Project
<b>E5: Build a regional strategic partnership to promote adoption of renewable energy.</b>		
Complete	HOU	Encourage participation in St. Philip's Solar Program
Complete	HOU	Continue rooftop solar revolving loan program as appropriations allow
Complete	HOU	Evaluate opportunities for partnerships to expand rooftop solar programs as appropriations allow
Complete	OEQS	Create a working group within RISE to share best practices and increase investment in renewable energy projects
Complete	OEQS	Hold a roundtable and/or webinar regarding a regional approach to renewable energy; possibly at the North Texas Climate Symposium
<b>E6: Establish and invest in renewable energy hubs through partnerships with the private sector.</b>		
Complete	BCM	Continue to request consideration of new or renovated capital city facilities projects for renewable energy hubs
Complete	BSD	Evaluate funding opportunities for feasibility studies (renewable energy hubs)
Complete	BSD	Evaluate at least 5 City buildings/facilities for renewable energy hubs based on the questionnaire and specs prepared by NTREG and equity studies
Complete	OEQS	Identify potential partners in the private sector
Complete	OEQS	Evaluate funding opportunities relating to the development of renewable energy hubs

Table 2: FY 21-22 Goal 2 Actions and Milestones Continued

<b>E7: Extend city efforts to develop more renewable energy projects on city facilities</b>		
Complete	BCM	Continuously include renewable energy at new and existing facilities whenever feasible in the scopes of work
Complete	BCM	Recommend new capital city facility projects to lead in renewable energy facilities where feasible
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
Complete	BSD	Evaluate funding opportunities for installing solar PV identified in feasibility studies
Complete	BSD	Identify at least 10 City buildings/facilities for solar feasibility studies based on energy benchmarking data
Complete	OEQS	Support BSD in developing renewable energy projects on city facilities as appropriations allow
Complete	OEQS	Conduct Solar Site Location Inventory and Evaluation
Complete	OEQS	Work with stakeholders to develop guidelines and best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms
<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
Complete	BSD	Continue to implement current green energy policy under the existing utility contract for procuring 100% renewable energy and associated renewable energy credits
<b>E10: Advocate for renewable energy policies at the state and federal levels.</b>		
Complete	OEQS	Advocate for federal policies via Climate Mayors, USDN and/or other national partners
Complete	OEQS	Advocate for grid resiliency through renewables at the Public Utility Commission of Texas (PUCT)



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

Total milestones: 27

- Complete: 26 (19 Ongoing/Continuing FY23)
- In Progress: 1
- Not Started: 0

Table 3: FY 21-22 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
Complete	EFM	Conduct fleet electrification feasibility study with NREL
Complete	OEQS	Continue to support EFM's fleet electrification study
Complete	OEQS	Support NCTCOG's Clean Cities efforts to promote vehicle electrification
<b>T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.</b>		
Complete	HOU	Evaluate feasibility of requiring electric vehicle-ready wiring in new construction projects
<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



Table 3: FY 21-22 Goal 3 Actions and Milestones Continued

<b>T7: Secure resources to implement the existing bicycle network masterplan.</b>		
Complete	CES	Work together with TRN to identify feasible bicycle connections to the Convention Center to be ultimately included in the Bike Plan update and the Convention Center District Master Plan
Complete	PUD	Participate in bike plan update process
Complete	TRN	Include considerations for additional micro-mobility technologies (i.e. scooters) in addition to cycling in the Bike Plan update
Complete	TRN	Implement bicycle facilities and lanes, depending on City Council annual appropriations
Complete	TRN	Update the 2011 Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities
<b>T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.</b>		
Complete	PUD	Determine equity areas that need improved access to micromobility
<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
<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
Complete	OEQS	Support TRN on implementation of Connect Dallas trip reduction actions
<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	Partner with stakeholders to ensure alignment with city plans including Strategic Mobility Plan, CECAP, Bike Plan, etc.
Complete	PUD	Continue development of Forward Dallas
Complete	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts
<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
<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>		
In Progress	DEV	Explore options for incentives (i.e., parking reductions) in exchange for affordable housing units onsite or offsite
Complete	OEQS	Support parking code amendment process
Complete	PUD	Consider amending the parking code
Complete	TRN	Establish On-Street Parking/Curb Management Policy
<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
<b>T16: Convert all traffic lights and streetlights to LEDs.</b>		
Complete	TRN	Initiate conversion of streetlights to LEDs, where feasible
Complete	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)
<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	EFM	Share best practices and results of NREL study with the community via NCTCOG



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

Total milestones: 22

- Complete: 21 (16 Ongoing/Continuing FY23)
- InProgress: 1
- Not Started: 0

**Table 4: FY 21-22 Goal 4 Actions and Milestones**

Status	Dept	Milestone
<b>SW1: Actively promote source reduction, recycling, and composting to the Dallas community.</b>		
Complete	OEQS	Sponsor backyard composting education courses for single family residential customers
Complete	OEQS	Expand current education efforts to inform residents and business owners of their options to refuse, reduce, reuse, and recycle
<b>SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.</b>		
Complete	POM	As part of the workplan, update the City's Environmentally Preferred Products list for use in the City's purchase of goods
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
Complete	POM	Launch the Sustainable Procurement Working Group's inaugural year workplan
<b>SW3: Improve solid waste, recycling, and brush/bulky waste collection efficiency.</b>		
Complete	SAN	Pilot Bulk and Brush separation program to assess and evaluate levels of service
Complete	SAN	Evaluate collection routes for efficiency
<b>SW4: Explore potential for electric waste collection trucks.</b>		
Complete	SAN	Continue to monitor technological advancements and viability
<b>SW5: Update and implement the Zero Waste Management Plan.</b>		
Complete	SAN	Adopt revised Local Solid Waste Management Plan
<b>SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the "Litter and Illegal Dumping Assessment Study."</b>		
Complete	CCS	Continue to implement Strategic Illegal Dumping Plan
Complete	CCS	Continue marketing campaign to educate public on illegal dumping (how to report, what it is, and measures being taken to counteract it)
Complete	CCS	Continue same day abatement via illegal dumping abatement team
Complete	CCS	Maintain illegal dumping hotline
Complete	CCS	Participate in community trash off events
Complete	CCS	Continue to work with Keep Dallas Beautiful affiliate
Complete	CCS	Continue collaboration with Dallas Marshal's office to issue citations and arrests
Complete	OEQS	Continue direct mail campaign

Table 4: FY 21-22 Goal 4 Actions and Milestones Continued

Complete	OEQS	Support Community Trash Off
Complete	SAN	Provide staff support at Community Trash Off Events
Complete	SAN	Continue to facilitate BOPA collection events
<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
Complete	SAN	Expand program as needed to increase methane recovery



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

Total milestones: 59

- Complete: 58 (47 Ongoing/Continuing FY23)
- In Progress: 0
- Not Started: 1

Table 5: FY 21-22 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	DWU	Continue to offer rebate and incentive-based programs to promote water conservation in an effort to resourcefully manage the City's annual gallons per capita per day (GPCD)
Complete	DWU	Continue to partner with other agencies in the North Texas Regional Water Conservation Symposium
Complete	DWU	Continue to evaluate and assess program performance to ascertain program viability
Complete	DWU	Continue the 'Save Water. Nothing Can Replace It.' local public awareness campaign, promoting local conservation programs and educational opportunities for DWU customers
Complete	DWU	Maintain SaveDallasWater.org website
Complete	DWU	Continue to improve social media strategies
Complete	DWU	Evaluate social media engagement platforms
Complete	DWU	Evaluate and participate in partnerships with other agencies for public awareness activities
Complete	DWU	Continue to offer education and outreach opportunities to promote water conservation in an effort to resourcefully manage the City's GPCD
Complete	DWU	Continue the North Texas Regional unified public awareness campaign
Complete	DWU	Continue water conservation outreach efforts to support wholesale customer cities
Complete	DWU	Continue activities and efforts related to the "Defend Your Drains" public awareness campaign
<b>WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.</b>		
Complete	DWU	Continue ongoing education and outreach programs to promote best management practices that recognize landscape design that reduces water consumption
Complete	DWU	Continue existing leak detection programs

Table 5: FY 21-22 Goal 5 Actions and Milestones Continued

Complete	DWU	Expand leak detection programs, as feasible
Complete	DWU	Continue requesting and tracking TWDB Annual Water Conservation Reports for wholesale customer cities, which include 5- and 10-year water loss targets
Complete	DWU	Evaluate the feasibility of implementing Advanced Metering Infrastructure (AMI)
<b>WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.</b>		
Complete	CES	Work with OEQS and DWU to create guidelines to encourage use of drought-tolerant plants and xeriscape that will be incorporated within the Convention Center District Master Plan
Complete	DWU	Develop additional resources to promote reducing outdoor water use
Complete	DWU	Continue to offer free automatic irrigation system evaluations and promote best management practices on outdoor watering
<b>WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.</b>		
Complete	DWU	Explore feasibility of a site specific TMDL Plan for White Rock Creek to protect public health
Complete	DWU	Update current Stormwater Quality Monitoring Program to include other surface water bodies and expand upon parameters monitored
Complete	DWU	Continue Watershed Protection Program
Complete	DWU	Participate in the Upper Trinity River Basin Water Quality Compact
Complete	DWU	Participate with USGS and other local entities in stream flow and water quality sampling
Complete	DWU	Participate in Zebra Mussel study and monitoring with USGS
<b>WR6: Continue to protect and monitor water quality by tracking emerging contaminants that may impact public health.</b>		
Complete	DWU	Participate with USGS and other entities in Harmful Algal Bloom (HAB) study in the DFW area
Complete	DWU	Continue enhanced monitoring for copper and lead in water distribution system
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
<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
Complete	DWU	Complete final audit rating to qualify for a Class 4 rating
Complete	DWU	Notification of flood risk associated living/officing within levee and dam protected areas and floodplains
<b>WR8: Complete the implementation of major planned and ongoing drainage infrastructure projects to improve community resilience to flooding.</b>		
Complete	DWU	Continue acquisition of parcels for the Dallas Floodway Extension (DFE)
Complete	DWU	Fund and implement highlighted stormwater capital improvement objectives for FY 2021-22 from SDM Budget
Complete	DWU	Continue construction of Mill Creek Drainage Relief Tunnel scheduled for completion in 2023
Complete	DWU	Continue to support the USACE design process for Dallas Floodway Extension (DFE)
Complete	DWU	Continue to support design builds efforts of Dallas Floodway (DF)

Table 5: FY 21-22 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
Complete	DWU	Identify measures and priorities to reduce flooding now and in the future
Complete	DWU	Identify critical projects to be funded through long-term CIP
Complete	DWU	Award Phase 2 of Storm Drainage Assessment
Complete	DWU	Evaluate funding mechanisms to implement critical projects
<b>WR10: Evaluate policies affecting drainage and erosion to ensure sustainable development and mitigate adverse impacts.</b>		
Complete	DWU	Evaluate policies and development code changes to enhance sustainable development, drainage, and erosion control.
<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
Complete	DWU	Update Drought Contingency Plan as necessary
<b>WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events</b>		
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
Complete	DWU	Update Risk Resilience Assessment Report as necessary
Complete	DWU	Update DWU Integrated Contingency Plan as necessary
Complete	DWU	Evaluate potential to install secondary power sources for critical infrastructure
Complete	DWU	Update Continuity of Operations Plan DWU Annex as necessary
Complete	DWU	Provide list of critical facilities to electrical provider
Complete	DWU	Evaluate potential ways to go off-grid for wastewater (minimize reliance on electrical grid)
Not Started	DWU	Develop a partnership to implement the "Grind2Energy" program (introduction of food waste slurry into wastewater digesters to produce gas to generate electricity)
Complete	DWU	Initiate Department Wide Security Master Plan Update (Water, Wastewater, and Stormwater)
<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
<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
<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	Implement activities in the SSO initiative and report to TCEQ annually
Complete	DWU	Continue aggressive wastewater internal inspection, cleaning, and repair activities
Complete	DWU	Award construction contracts that will result in the replacement and rehabilitation of wastewater pipelines and manholes, including relocation and private development projects



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

Total milestones: 52

- Complete: 50 (36 Ongoing/Continuing FY23)
- In Progress: 1
- Not Started: 1

**Table 6: FY 21-22 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	CES	Work with OEQS to create guidelines to encourage the development of cool roofs that will reduce the impact of urban heat within the Convention Center District Master Plan
Complete	PKR	Track development of parks
Complete	PKR	Track development of trails
Complete	PKR	Track acquisition of land
<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
Complete	DWU	Use Drainage Design Manual (2019) and Complete Streets Design Manual (2013) as design guidelines
<b>EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.</b>		
Complete	DEV	Review and update the Landscape and Tree Manual
Complete	DEV	Initiate use of Treekeeper program for city-wide tree inventory
Complete	DEV	Complete the five scheduled UFMP short-term goals for FY 21-22
In Progress	DEV	Identify neighborhoods and parks for pilot tree inventory and initiate inventory
Complete	PBW	Continue to collaborate with Branch Out Dallas
Complete	PBW	Continue MOWmentum program to work with HOAs and Neighborhood Associations and encourage them to adopt a median and beautify by planting trees
Complete	PKR	Technical team of the Urban Forestry Task Force will identify park properties to conduct tree inventories
Complete	PKR	Track replanting in areas that experienced canopy loss
Complete	PKR	Prioritize parks that have experienced loss for replanting
Complete	PKR	Conduct tree assessments
Complete	PKR	Technical team of the Urban Forestry Task Force will conduct tree inventories
Complete	PKR	Divert brush from the landfill by generating compost and mulch through the Treecycling program
Complete	PKR	PKR tree planting goal for FY21-22 is to plant 600 trees
Complete	PKR	Increase the tree canopy through tree planting events
Complete	PKR	Purchase devices to utilize Treekeeper software
Complete	PUD	Develop reforestation prioritization strategy through land use analysis

Table 6: FY 21-22 Goal 6 Actions and Milestones Continued

<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	DWU	Initiate ongoing effort to develop educational resources on best practices for maintaining mature trees
Complete	DWU	Increase community outreach on tree knowledge and forest education
Complete	DWU	Support partnerships and initiatives that protect and expand Blackland Prairies, as feasible
Complete	DWU	Continue Branch Out Dallas, Branching Out Dallas, and Reforestation Program
Complete	DWU	Participate in scheduled City-wide Tree Task Force meetings
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
Complete	PBW	Provide support for TreeKeeper program with DWU and PKR
Not Started	PBW	Establish coordination of departments for joint enforcement procedures on land resource protection.
Complete	PBW	Identify and designate trees under Article X Historic Tree status
Complete	PKR	Continue partnerships with Texas Trees Foundation
Complete	PKR	Track trees planted
Complete	PKR	Track participation in tree planting events
Complete	PKR	Continue to expand the Adopt a Prairie program
Complete	PKR	Develop best management practices for improving/maintaining prairie health, for example, initiate species-specific herbicide for Johnsongrass
Complete	PKR	Track Branching Out events
<b>EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.</b>		
Complete	OEQS	Explore policy related to phasing out traditional gas-powered landscape equipment
Complete	PKR	Train staff on new practices as applicable
Complete	PKR	Continue to update the Park Maintenance Operation Standard as new practices are used, with a focus on ecofriendly and sustainable practices
<b>EG8: Improve the quality of urban ecosystems in Dallas through the sustainable appropriate design, creation, and planting of urban habitats.</b>		
Complete	DWU	Collaborate with city departments to execute the Urban Forest Master Plan
Complete	DWU	Develop service level agreement with Parks Department for Old Fish Hatchery at White Rock Lake in partnership with Oncor
Complete	DWU	Conduct Quarterly meeting with PKR to ensure alignment of DWU and PKR operations and capital projects.
Complete	PKR	Partner with Parks for Downtown Dallas, which will create two new parks downtown: Carpenter Park and Harwood Park
Complete	PKR	Continue work for the Bird City Texas program and the 27 practices that must be done to achieve this certification
Complete	PKR	Add three more pollinator demonstration areas or enhanced natural areas that are certifiable as Monarch Waystations
Complete	PKR	Continue the following programs: Blackland prairie restoration, wildflower areas, pollinator gardens, invasive removals



Table 6: FY 21-22 Goal 6 Actions and Milestones Continued

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



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

Total milestones: 26

- Complete: 20 (9 Ongoing/Continuing FY23)
- In Progress: 6
- Not Started: 0

Table 7: FY 21-22 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	Work in partnership with organizations to provide outreach and education on healthy food and urban agriculture
Complete	OEQS	Participate in the North Texas Food Policy Alliance
<b>FA2: Create a Food Advisory Council.</b>		
Complete	OEQS	Meet with the FAC on a regular basis to advise on the development of the Urban Agriculture Plan
<b>FA3: Develop a Dallas Comprehensive Food and Urban Agriculture Plan.</b>		
Complete	OEQS	Develop the Dallas Comprehensive Food and Urban Agriculture Plan
Complete	OEQS	As part of the Urban Agriculture Plan, continue the comprehensive review of policy and regulatory barriers to growing local food for personal consumption or economic development
Complete	OEQS	As part of the Urban Agriculture Plan, identify incentives to support agriculture that provides carbon sequestration benefits
Complete	OEQS	As part of the Urban Agriculture Plan, evaluate demographic and community-specific needs
Complete	OEQS	As part of the Urban Agriculture Plan, develop a plan to remove aforementioned barriers
<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 Health Food Dallas Initiative
<b>FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.</b>		
In Progress	ECO	Partner with local organizations and Office of Community Care on last mile strategies for grocery delivery to reduce delivery fees
Complete	ECO	Support existing programs related to transportation and food access



Table 7: FY 21-22 Goal 7 Actions and Milestones Continued

<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	Research best practices for mobile grocery stores
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
Complete	POM	Define geographic and nutritional standards for all City-sponsored events
Complete	POM	Build on local preference procurement policy to address food procurement that emphasizes healthy, local food
<b>FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.</b>		
In Progress	OEQS	Work with CCS to consider adding an inspection question regarding diversion of food waste
In Progress	OEQS	Identify food diversion organizations and host a roundtable to identify synergies and opportunities for city-sponsored collaboration
Complete	OEQS	Identify community organizations involved with surplus food diversion
In Progress	OEQS	Collaborate with SAN and CCS to connect community organizations already involved in this effort
<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
In Progress	CES	Develop informational resources to help provide context for the ordinance
Complete	CES	Develop draft ordinance for special events that requires multiple waste management options
In Progress	ECO	Conduct pilot study related to locally sourced food
Complete	OEQS	Implement a pilot for responsible waste management at special events
Complete	OEQS	Include education and separate waste collection streams as part of pilot



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

Total milestones: 11

- Complete: 10 (7 Ongoing/Continuing FY23)
- InProgress: 1
- Not Started: 0

**Table 8: FY 21-22 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
<b>AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.</b>		
Complete	OEQS	Work with TNC, TAMU and Texas Trees Foundation to implement public health interventions based on neighborhood monitor data; complete project data analyses and reporting
Complete	OEQS	Administer two new grants for air quality monitoring
Complete	OEQS	Use resulting neighborhood level data to track progress for air quality improvement
<b>AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.</b>		
Complete	OEQS	Expand on Air North Texas Campaign, as feasible
Complete	OEQS	Support Clean Air Action Day through virtual and/or in person event(s)
Complete	OEQS	Continue to support Air North Texas Campaign
<b>AQ4: Ensure new industries are an appropriate distance away from neighborhoods.</b>		
Complete	OEQS	Tailor communication to suit needs of different communities
Complete	PUD	Through Forward Dallas, understand, characterize, and propose proactive city strategies to address situations with inequitable industrial proximity to residential uses
Complete	PUD	Incorporate environmental justice into authorized hearing process
In Progress	PUD	Develop recommended steps to be taken as part of the implementation program via code amendment and/or localized zoning changes

# **CECAP IMPLEMENTATION WORKPLAN FISCAL YEAR 2022-2023**



**BY OFFICE OF ENVIRONMENTAL QUALITY & SUSTAINABILITY  
WITH ENVIRONMENTAL COMMISSION  
AND LEADING ENVIRONMENTAL ACTIONS FORWARD**



# Comprehensive Environmental & Climate Action Plan Fiscal Year 2022-2023 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 2022-23 (FY23). 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, initiating pilots and proof of concept projects, 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 FY 20-21, with 26 new actions being implemented in FY 21-22. This is a significant increase from the year one work plan.

Building on the success of the previous years, the year three CECAP implementation continues with the collaborative effort of 17 City departments; to activate a total of 202 milestones. As the CECAP implementation process advances, we are incorporating new activities in the service delivery model of our major departments. This ensures the activities are sustainable and will be ongoing for many years into the future.

## II. Adaptive Management

The CECAP committed to regular review of performance towards meeting the emissions reduction goals set forth in the 2016 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 CO<sub>2</sub>e, 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 CO<sub>2</sub>e 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. Meeting the 2030 target will require continued measurement and monitoring of GHG emissions, as well as implementation of emission reduction measures throughout the city.



### III. Year Three Focus Areas – Community Engagement

This fiscal year, the City Manager has adopted a new value of service, which is engagement. Community engagement has long been a priority for 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.

OEQS and other departments have also prioritized environmental justice. The U.S. Environmental Protection Agency defines environmental justice as the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. OEQS and other city departments are focused on equitably engaging and equitably addressing the impacts of climate change and environmental pollution on our communities.

In the third year of CECAP implementation, we will focus on equitable engagement and environmental justice with the goal of raising awareness of climate change and environmental pollution, increasing participation in positive solutions, and working to find equitable solutions to environmental impacts. For us to meet the goals of the 2016 Paris Agreement and realize environmental sustainability and environmental justice, we will need all sectors of the community to take action to reduce emissions. Community engagement involves activating all stakeholders from the business community, academia, advocates, allies, communities with environmental justice concerns, and other groups that have not historically been a part of the climate change conversation.

The City manager and Elected officials have recognized the need to build connections with the community and provide the resources to build climate resiliency. In the FY23 budget, the Office of Environmental Quality and Sustainability was allocated funding to develop programs to engage the community through outreach, education and marketing. Dallas residents are familiar with Texas extreme weather - from ice storms, heatwaves, droughts and flooding related to climate change. The focus this year will be to advance the conversation to sector specific actions that connect real people facing problems, through effectively communicating practical solutions to challenging environmental issues.

In section four of this work plan, the City's engagement icon has been added to key milestones that promote community engagement and the equity icon has been added to milestones with a high environmental justice impact.



Engagement Icon



Equity Icon

*Figure 1. Icons for Community Engagement and Environmental Justice Milestones*



#### IV. FY 22-23 Actions and Milestones

The FY23 Implementation Work Plan builds on the foundation set in the first year of implementation. This section provides a list of each of the 202 milestones scheduled for implementation in FY23 and includes activation of 67 CECAP actions. Milestones will be completed through the combined efforts of 17 City departments, including:

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)
Equipment & Fleet Management (EFM)	

Each department will be responsible for tracking and monthly 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. To reduce GHG emissions and pollution from the operation of buildings, actions have been developed to enable businesses and institutions (including the City) to reduce their energy use, leveraging a wide range of energy efficiency opportunities. Solutions are aimed at both existing buildings and new construction.

Total actions underway: 10

Total milestones: 27

**Table 1: FY 22-23 Goal 1 Buildings Actions and Milestones**

Action	Dept	Milestone
<b>B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.</b>		
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	Update OEQS Website to support greater reach for outreach and engagement
B1	OEQS	Work with BCM, Parks, and BSD to develop draft specifications towards net-zero carbon-based facility construction for use in 2024 Bond Program
B1	OEQS	Continue to work with City departments to incorporate CECAP efforts into EMS Objectives and Targets
<b>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.</b>		
B2	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>		
B3	OEQS	Develop building energy efficiency outreach & engagement program
B3	OEQS	Provide online resources for tenants and homeowners to provide information on how to reduce energy use and utility bills
B3	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>		
B4	OEQS	Implement a Whole Home Weatherization Program resource HUB to connect residents with existing services
B4	OEQS	Provide ongoing environment and sustainability targeted outreach and education programs to the community
B4	OEQS	Launch a weatherization campaign to raise awareness of benefits of home weatherization upgrades
B4	OEQS	Work with RISE partners to facilitate regional conversations that expand efforts to reduce residential energy burdens
B4	OEQS	Conduct a green job skills pilot to increase the number of qualified people providing weatherization services





City of Dallas

Table 1: FY23 Actions and Milestones Continued

<b>B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.</b>		
B5	OEQS	Explore feasibility of implementing City programs to incentivize energy efficiency measures for commercial and residential buildings
B5	ECO	Expand participation in the City's existing PACE financing program
<b>B7: Increase participation and scope of the Dallas Green Business Certification Program.</b>		
B7	OEQS	Increase awareness and participation in the Green Business Certification program
<b>B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.</b>		
B11	DEV	Initiate building code updates upon completion of the NCTCOG 2021 Code Update process
B11	DEV	Adopt the solar photovoltaics provisions along with the 2021 International Codes
B11	DEV	Work with CAO on approach towards a local amendment to include the EV charging provisions
B11	DEV	Continue to review SolSmart program for consideration of SolSmart designation
B11	DEV	Begin review of the Solar APP+ for consideration
B11	DEV	Continue current plans to incorporate the permitting aspects of the NCTCOG Go Solar North Texas program
<b>B12: Evaluate and consider a Zero Net Energy (ZNE) code for all new buildings and substantial renovations by 2030.</b>		
B12	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>		
B13	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>		
B15	OEQS	Evaluate funding opportunities for creation of resilience hubs





## 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. Due to the hot climate, need for air conditioning is critical for public health but accounts for higher utility bills, greater energy use, and added GHG emissions. Dallas' residents have experienced the impacts of severe storms related to climate change and more frequent and longer lasting power outages, which have significant economic and safety implications.

Total actions underway: 8

Total milestones: 16

**Table 2: FY 22-23 Goal 2 Actions and Milestones**

Action	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>		
E2	BSD	Incorporate pilot energy storage technology in next appropriate City facility
<b>E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.</b>		
E4	OEQS	Continue implementation of Green Warrior Project
<b>E5: Build a regional strategic partnership to promote adoption of renewable energy.</b>		
E5	OEQS/ HOU	Continue rooftop solar revolving program as appropriations allow
<b>E6: Establish and invest in renewable energy hubs through partnerships with the private sector.</b>		
E6	OEQS	Evaluate funding opportunities relating to the development of renewable energy hubs
E6	OEQS	Identify potential partners in the private sector
<b>E7: Extend City efforts to develop more renewable energy projects on City facilities.</b>		
E7	BCM	Continuously include renewable energy of new and existing facilities whenever feasible in the scopes of work
E7	BCM	Recommend new capital city facility projects to lead in renewable energy facilities where feasible
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
E7	OEQS	Conduct Solar Site Location Inventory and Evaluation Study
E7	OEQS	Work with stakeholders to develop guidelines and best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms.
E7	OEQS	Support BSD in developing renewable energy projects on city facilities as appropriations allow
<b>E8: Continue to implement Green Energy Policy for City facilities.</b>		
E8	BSD	Continue to implement current green energy policy under the existing utility contract for procuring 100% renewable energy and associated renewable energy credits
E8	BSD	Participate in active discussions with other departments to evaluate potential for developing on-site and off-site renewable energy projects



Table 2: FY23 Actions and Milestones Continued City of Dallas

<b>E9: Extend partnership with organizations like PACE and other Public Utility Companies to provide further incentives for renewable energy.</b>		
E9	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>		
E10	OEQS	Support OGP Legislative advocacy of renewable energy policy in state and federal legislation
E10	OEQS	Continue to support OGP Legislative advocacy of renewable energy policy at Public Utility Commission of Texas



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

*Why it matters?* In the latest GHG inventory from 2015, the transportation sector, which includes private and public vehicles, trains, and planes, contributes to 38 percent of GHG emissions for the City of Dallas, of which 98 percent is owed to on-road transportation. Dallas County failed 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. Air quality could therefore worsen as temperatures rise if overall vehicle miles are not reduced.

Total actions underway: 12

Total milestones: 28

**Table 3: FY 22-23 Goal 3 Actions and Milestones**

Action	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>		
T1	BCM	Participate in partnerships with internal and external entities to establish light duty fleet in conjunction with city facilities locations
T1	OEQS	Support NCTCOG's Clean Cities efforts to promote vehicle electrification
T1	EFM	Implement Fleet Electrification Feasibility Study
T1	EFM	Continue to grow the Alternative Fuels options for the City
T1	EFM	Begin construction on "Infrastructure Plan" by installing charging stations at various City facilities to support fleet vehicle electrification
T1	EFM	Purchase Electric Vehicles and evaluate pooling of resources
<b>T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.</b>		
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
<b>T5: Support and expand recommended Travel Demand Management strategies identified within the Strategic Mobility Plan.</b>		
T5	PUD	Align Forward Dallas with Travel Demand Management strategies from the Strategic Mobility Plan
<b>T7: Secure resources to implement the existing bicycle network masterplan.</b>		
T7	PUD	Participate in bike plan update process
T7	PBW	Implement bicycle facilities and lanes, depending on City Council annual appropriations.
T7	TRN	Update the 2011 Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities
T7	TRN	Include considerations for additional micro-mobility technologies (i.e.scooters) in addition to cycling in the Bike Plan update



Table 3: FY23 Actions and Milestones Continued City of Dallas

<b>T9: Increase bus service across the City by adding new routes, shortening headways, and overall increasing service reliability and customer experience.</b>		
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
<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>		
T10	OEQS	Support regional air quality improvement efforts to reduce single occupancy vehicle trips
T10	OEQS	Support TRN on implementation of Connect Dallas trip reduction actions
T10	OEQS	Work with City Staff to provide incentives and track emissions reduced through our alternative commute programs.
<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>		
T11	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts
T11	PUD	Continue development of Forward Dallas
T11	PUD	Partner with stakeholders to ensure alignment with city plans including Strategic Mobility Plan, CECAP, Bike Plan, etc.
<b>T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.</b>		
T12	PUD	Consider transit-oriented development guidelines and strategies as part of Forward Dallas
<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>		
T14	TRN	Establish On-Street Parking/Curb Management Policy
T14	PUD	Consider amending the parking code
T14	OEQS	Support parking code amendment process
<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>		
T15	DWU	Continue City Leadership and Commitment Grant Program to support green infrastructure
<b>T16: Convert all traffic lights and streetlights to LEDs.</b>		
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)
T16	TRN	Initiate conversion of streetlights to LEDs, where feasible
<b>T19: Encourage businesses, commercial entities and institutions to electrify fleet, including but not limited to local and regional delivery trucks and heavier vehicles</b>		
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: 5

Total milestones: 19

**Table 4: FY 22-23 Goal 4 Actions and Milestones**

Action	Dept	Milestone
<b>SW1: Actively promote source reduction, recycling, and composting to the Dallas community.</b>		
SW1	OEQS	Expand current education efforts to inform residents and business owners of their options to refuse, reduce, reuse, and recycle
SW1	OEQS	Sponsor zero waste education courses for single family residential customers
SW1	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
SW1	PKR	Divert brush from the landfill by generating compost and mulch through the Treecycling program
<b>SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.</b>		
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
<b>SW4: Explore potential for electric waste collection trucks.</b>		
SW4	SAN	Continue to monitor technological advancements and viability
<b>SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the "Litter and Illegal Dumping Assessment Study."</b>		
SW6	SAN	Continue to facilitate BOPA collection events
SW6	SAN	Provide staff support at Community Trash Off Events
SW6	CCS	Continue to implement Strategic Illegal Dumping Plan
SW6	CCS	Continue collaboration with Dallas Marshal's office to issue citations and arrests
SW6	CCS	Continue marketing campaign to educate public on illegal dumping (how to report, what it is, and measures being taken to counteract it)
SW6	CCS	Continue same day abatement via illegal dumping abatement team
SW6	CCS	Maintain illegal dumping hotline
SW6	CCS	Participate in community trash off events



*Table 4: FY23 Actions and Milestones Continued*

SW6	CCS	Continue to work with Keep Dallas Beautiful affiliate
SW6	OEQS	Support Community Trash Off
SW6	OEQS	Continue direct mail campaign
<b>SW8: Continue to capture gas and expand capacity from landfill for reuse and evaluate for city operations.</b>		
SW8	SAN	Annually evaluate need for gas collection system expansion
SW8	SAN	Expand program as needed to increase methane recovery



## 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. 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 and plan for the future, actions have to be taken by private entities, residents and businesses and the City of Dallas.

Total actions underway: 13

Total milestones: 46

**Table 5: FY 22-23 Goal 5 Actions and Milestones**

Action	Dept	Milestone
<b>WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.</b>		
WR1	OEQS	Continue to offer rebate and incentive-based programs to promote water conservation in an effort to resourcefully manage the City's annual GPCD
WR1	OEQS	Continue to evaluate and assess program performance to ascertain program viability
WR1	OEQS	Continue to offer education and outreach opportunities to promote water conservation in an effort to resourcefully manage the City's GPCD
WR1	OEQS	Continue the 'Save Water. Nothing Can Replace It.' local public awareness campaign, promoting local conservation programs and educational opportunities for DWU customers
WR1	OEQS	Maintain SaveDallasWater.org website
WR1	OEQS	Continue to improve social media strategies
WR1	OEQS	Evaluate social media engagement platforms
WR1	OEQS	Evaluate and participate in partnerships with other agencies for public awareness activities
WR1	OEQS	Continue activities and efforts related to the "Defend Your Drains" public awareness campaign
WR1	OEQS	Continue the North Texas Regional unified public awareness campaign
WR1	OEQS	Continue to partner with other agencies in the North Texas Regional Water Conservation Symposium
WR1	OEQS	Continue water conservation outreach efforts to support wholesale customer cities
<b>WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.</b>		
WR2	OEQS	Continue existing leak detection programs
WR2	DWU	Continue requesting and tracking TWDB Annual Water Conservation Reports for wholesale customer cities, which include 5- and 10-year water loss targets



Table 5: FY23 Actions and Milestones Continued City of Dallas

**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
WR4	OEQS	Develop additional resources to promote reducing outdoor water use
WR4	OEQS	Continue ongoing education and outreach programs to promote best management practices that recognize landscape design that reduces water consumption



**WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.**

WR5	DWU	Continue watershed Protection Program
WR5	DWU	Participate in the Upper Trinity River Basin Water Quality Compact
WR5	DWU	Participate with USGS and other local entities in stream flow and water quality sampling
WR5	DWU	Participate in Zebra Mussel study and monitoring with USGS
WR5	DWU	Update current Stormwater Quality Monitoring Program to include other surface water bodies and expand upon parameters monitored
WR5	DWU	Explore feasibility of a site specific TMDL Plan for White Rock Creek to protect public health

**WR6: Continue to protect and monitor water quality by tracking emerging contaminants that may impact public health.**



WR6	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
WR6	DWU	Participate with USGS and other entities in Harmful Algal Bloom (HAB) study in the DFW area

**WR7: Use FEMA Community Rating System to educate and protect communities from flooding.**



WR7	DWU	Use rating system to educate flood-prone communities
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**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 2023
WR8	DWU	Continue acquisition of parcels for the Dallas Floodway Extension (DFE)
WR8	DWU	Continue to support the USACE design process for Dallas Floodway Extension (DFE)
WR8	DWU	Continue to support design builds efforts of Dallas Floodway (DF)

**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
WR9	DWU	Identify measures and priorities to reduce flooding now and in the future
WR9	DWU	Identify critical projects to be funded through long-term CIP
WR9	DWU	Evaluate funding mechanisms to implement critical projects

**WR11: Continue monitoring, evaluating, and updating the Drought Contingency Plan.**

WR11	DWU	Continue to monitor and evaluate effectiveness of the Drought Contingency Plan
WR11	DWU	Update Drought Contingency Plan as necessary





Table 5: FY23 Actions and Milestones Continued City of Dallas

<b>WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events.</b>		
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
WR12	DWU	Update Risk Resilience Assessment Report as necessary
WR12	DWU	Update Continuity of Operations Plan DWU Annex as necessary
WR12	DWU	Evaluate potential ways to go off-grid for wastewater
WR12	DWU	Initiate Department Wide Security Master Plan Update (Water, Wastewater, and Stormwater)
WR12	DWU	Evaluate potential to install secondary power sources for critical infrastructure
<b>WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.</b>		
WR13	DWU	Evaluate improvements to existing process utilizing new technology to improve water quality
<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>		
WR14	DWU	Evaluate improvements to existing process and procedures to optimize water and wastewater treatment
<b>WR15: Continue investment in sewer collection system to reduce inflow/infiltration (I/I) to improve water quality and reduce energy usage.</b>		
WR15	DWU	Continue aggressive wastewater internal inspection, cleaning, and repair activities
WR15	DWU	Implement activities in the SSO initiative and report to TCEQ annually



## 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. Ecosystem health, in turn, protects human health by providing benefits such as opportunities for activity that reduce stress, and increases overall mental and physical wellness.

Total actions underway: 7  
Total milestones: 39

**Table 6: FY 22-23 Goal 6 Actions and Milestones**

Action	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>		
EG1	PKR	Track acquisition of land
EG1	PKR	Track development of parks
EG1	PKR	Track development of trails
<b>EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.</b>		
EG2	DWU	Continue comprehensive storm drainage system assessment activities to identify areas prone to current and future flood risk
EG2	DWU	Use Drainage Design Manual (2019) and Complete Streets Design Manual (2013) as design guidelines
<b>EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.</b>		
EG3	PKR	Increase the tree canopy through tree planting events
EG3	PBW	Continue MOWmentum program to work with HOAs and Neighborhood Associations and encourage them to adopt a median and beautify by planting trees
EG3	PBW	Continue to collaborate with Branch Out Dallas
EG3	PUD	Develop reforestation prioritization strategy through land use analysis
EG3	PUD	Implement Emerald Ash Borer Response Plan
EG3	PKR	Technical team of the Urban Forestry Task Force will conduct tree inventories
EG3	PKR	Conduct tree assessments
EG3	DEV	Identify neighborhoods and parks for pilot tree inventory and initiate inventory



Table 6: FY23 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
EG4	PKR	Continue partnerships with Texas Trees Foundation
EG4	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
EG4	DWU	Increase community outreach on tree knowledge and forest education
EG4	DWU	Support partnerships and initiatives that protect and expand Blackland Prairies, as feasible
EG4	DWU	Continue Branch Out Dallas, Branching Out Dallas, and Reforestation Program
EG4	PKR	Track Branching Out events
EG4	PKR	Track trees planted
EG4	DWU	Participate in scheduled City-wide Tree Task Force meetings
EG4	PKR	Track participation in tree planting events
EG4	PKR	Continue to expand the Adopt-a-Prairie program
EG4	PBW	Provide support for TreeKeeper program with DWU and PKR
EG4	PBW	Identify and designate trees under Article X Historic Tree status
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
EG5	PKR	Train staff on new practices as applicable
EG5	OEQS	Work with Parks, PBW, Code and others to develop and implement gas-powered leaf blower policy/ subsequent code changes and 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
EG8	DWU	Conduct quarterly meetings with PKR to ensure alignment of DWU and PKR operations and capital projects.
EG8	PKR	Continue the following programs: Blackland prairie restoration, wildflower areas, pollinator gardens, invasive removals
EG8	PKR	Continue work for the Bird City Texas program and the 27 practices that must be done to achieve this certification
EG8	PKR	Partner with Parks for Downtown Dallas, which will create two new parks downtown: Carpenter Park and Harwood Park



City of Dallas

Table 6: FY23 Actions and Milestones Continued

**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
EG9	DEV	Provide informational resources on funding opportunities and financing options to nonprofits
EG9	DEV	Work with the Nature Conservancy, ReTreet, and Texas Trees Foundation on Breathe Easy Dallas, post-tornado reclamation and Cool Schools programs
EG9	OEQS	Support ongoing efforts of the UFMP to incorporate nature-based solutions.



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

*Why it matters?* Access to healthy food for vulnerable communities in South and West Dallas is a significant challenge - 36% of Dallas' residents live in census tracts defined as food deserts. The USDA defines food deserts as low-income areas with low access to vehicles and with no grocers within one mile. This leads to additional public health challenges for a population also dealing with respiratory illness related to poor air quality.

Total actions underway: 8

Total milestones: 14

**Table 7: FY 22-23 Goal 7 Actions and Milestones**

Action	Dept	Milestone
<b>FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.</b>		
FA1	OEQS	Participate in the North Texas Food Policy Alliance
FA1	OEQS	Develop and implement comprehensive Urban Ag outreach and engagement program
FA1	OEQS	Continue "Grow With Us - Field Edition" to encourage greater communication and volunteer support for local farm enterprises
FA1	OEQS	Convene Urban Agriculture Summit
FA1	OEQS	Implement actions to increase both access to local healthy food and local production
<b>FA2: Create a Food Advisory Council.</b>		
FA2	OEQS	Meet with the FAC on a regular basis to advise on the adoption and implementation of the Urban Agriculture Plan
<b>FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.</b>		
FA4	ECO	Continue to support Healthy Food Dallas Initiative
<b>FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.</b>		
FA6	ECO	Support existing programs related to transportation and food access
<b>FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.</b>		
FA7	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>		
FA9	POM	Initiate development of and pilot local food procurement procedures to support policy development
<b>FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.</b>		
FA13	OEQS	Identify food diversion organizations and host a roundtable to identify synergies and opportunities for city-sponsored collaboration



City of Dallas

Table 7: FY23 Actions and Milestones Continued

**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
FA14	OEQS	Implement a pilot for responsible waste management at special events
FA14	OEQS	Include education and separate waste collection streams as part of pilot












## 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 2018, Dallas- Fort Worth was ranked 16th in the American Lung Association's 25 Most Ozone-Polluted Cities. Improvements to air quality can come from several sectors in the CECAP.

Total actions underway: 4

Total milestones: 13

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

Action	Dept	Milestone
<b>AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.</b>		
 AQ1	OEQS	Make data from air monitoring stations available to the public
AQ1	OEQS	Maintain regulatory air monitoring and sampling programs in coordination with TCEQ
<b>AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.</b>		
 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	Administer two new grants for neighborhood air quality monitoring, include efforts to coordinate neighborhood communication, and efforts to partner with public health experts to develop and implement appropriate interventions
 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
AQ2	OEQS	Use resulting neighborhood level data to track progress for air quality improvement
<b>AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.</b>		
AQ3	OEQS	Continue to support Air North Texas Campaign and expand where feasible
AQ3	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>		
 AQ4	OEQS	Tailor communication to suit needs of different communities
 AQ4	PUD	Through Forward Dallas, understand, characterize, and propose proactive city strategies to address situations with inequitable industrial proximity to residential uses
 AQ4	PUD	Update Development Code to address Batch Plant and other Industrial Site uses in/ near neighborhoods
 AQ4	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 batchplant 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



## V. 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](http://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.

## VI. 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 FY22 and include:

***Environment and Sustainability Committee (ENVS)*** was established by Mayor Johnson to ensuring the 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.

## VII. Budget

### ***Fiscal Year 2022-2023 Budget***

All milestones are subject to related annual budget appropriations. The FY 22-23 Budget includes over \$100 million in funding tied to specific CECAP actions. This amount includes \$2.35 million in funding for direct CECAP implementation, by the Office of Environmental Quality & Sustainability (OEQS), and another \$18.372 million by other contributing departments. 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
OEQS	Office of Environmental Quality & Sustainability
PKR	Park & Recreation
PUD	Planning & Urban Design
POM	Procurement Services
PBW	Public Works
SAN	Sanitation Services
DEV	Sustainable Development & Construction
TRN	Transportation