

CECAP IMPLEMENTATION WORK PLAN FISCAL YEAR 2021-2022



October 2021

10/20/2021



Comprehensive Environmental & Climate Action Plan Fiscal Year 2021-2022 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 2021-22 (FY22). 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 will continue and build upon efforts initiated in the first year. In FY 21-22, the plan includes a total of 263 milestones addressing 73 CECAP actions. The IWP includes 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 last year's work plan. Through discussions with contributing departments, we found that many departments were implementing actions outside of the work plan and so we have expanded the actions in this year's plan to include these efforts.

II. Stakeholder Engagement

The first year of CECAP implementation 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 Council Committee

The Environment and Sustainability Council Committee (ENVS) was established by Mayor Johnson as the first-ever environmental committee comprised of Dallas City Councilmembers, with the tasks of: (1) ensuring the Dallas is a global climate leader; and (2) creating and implementing the City's Comprehensive Environmental & Climate Action Plan and (3) addressing other environmental concerns as appropriate.

Environment and Sustainability Task Force

The Environment and Sustainability Task Force (EAS-TF) was formed in FY 20-21 as an interim advisory group and to ensure ongoing community input into plan implementation. The EAS-TF provided input on CECAP implementation, including the FY21 and FY22 work plans. It also developed the structure of the Environmental Commission, which was approved by City Council on April 28, 2021. The EAS-TF term ended in September 2021.



Environmental Commission

The Environmental Commission is an advisory board formed by City Ordinance No. 31847, as approved by Council on April 28, 2021. It is comprised of 15 voting members and 8 non-voting technical experts—one per CECAP goal. The Commission will also establish a standing Environmental Health Committee made up of two members of the Commission with public health experience and three members of the public.

Leading Environmental Action Forward (LEAF)

The Office of Environmental Quality & Sustainability established this internal CECAP implementation coordination group with key departments who have active roles in implementing various actions and goals within the CECAP. The group was formed to facilitate a collaborative implementation, and coordination with other related ancillary efforts. The LEAF members serve as subject matter experts to aid in the implementation of CECAP action items, facilitate communication between the OEQS-CECAP team and other city departments, and assist in collecting related performance measures from their respective areas of the plan.

Regional Integration of Sustainability Efforts (RISE) Coalition

RISE 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. In conjunction with RISE, NCTCOG is leading a regional greenhouse gas inventory using ICLEI procedures and the ClearPath tool.

III. FY 21-22 Actions and Activities

The FY22 Implementation Work Plan builds on the foundation set in the first year of implementation. This section provides a list of each of the 263 milestones scheduled for implementation in FY22 and includes ongoing implementation of 73 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 (OEQ)
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. Notably, one change from last year is only one department will be assigned to each milestone. Milestones that have multiple contributing departments may be listed more than once or may be assigned to one lead department that will be responsible for tracking and reporting. This has also contributed to the increase in number of total milestones from FY 20-21, but helps with departmental tracking and reporting on progress.



The actions presented in the CECAP are designed to be implemented with an initial emphasis on education and voluntary participation, followed by incentives, then mandates, and ordinances. However, there are several actions within the CECAP that, when brought forward for City Council consideration for action and/or adoption may engender related policy considerations by the City Council. Typically, staff develop appropriate recommendations for City Council consideration related to applicable policy updates, changes, and implementation. Upon City Council review, and incorporating any suggested revisions, these policies go into effect once as adopted. We have lightly shaded some, but not likely all, of those anticipated policy actions within this years' implementation plan. Key policy updates anticipated in FY 21-22 include, but are not limited to:

- Sustainable Procurement Policy (update)
- Update to Green Building Policy towards Net Zero Construction
- Related Building Code Updates
- Development Code updates relative to Parking Requirements and Site Greening Factors
- Polic(ies) concerning Siting and Implementation of Solar Photovoltaics

Reading the FY 21-22 Work Plan Tables

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

FY21-22 sector at-a-glance → Total actions underway: 10
New actions activated in FY22: 4 (B3, B4, B6, B13)
Total milestones: 41

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

CECAP Action →

Action	Dept	Milestone
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.		
B1	AVI	Conduct Level II energy audit for DAL Terminal
B1	AVI	Identify retrofit opportunities
B1	BSD	Develop a plan to install energy conservation measures identified in energy assessments
B1	BSD	Evaluate funding opportunities for installing energy conservation measures identified in energy assessments
B1	BSD	Coordinate with other departments to share knowledge and provide support as needed to develop their carbon neutrality plan
B1	BSD	Develop an annual energy report for energy benchmarked City buildings/facilities
B1	OEQ	Complete Greenhouse Gas Emissions Inventory through NREL contract
B1	OEQ	Plan and hold the annual North Texas Climate Symposium
B1	OEQ	Work with BCM and BSD to develop draft specifications towards net-zero facility construction

One department is responsible for implementing each milestone →

Milestones are listed under each CECAP action

Action and milestone tables begin on following page. Items highlighted in green indicated potential policy-related actions.



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

Total actions underway: 10

New actions activated in FY22: 4 (B3, B4, B6, B13)

Total milestones: 38

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

Action	Dept	Milestone
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.		
B1	AVI	Conduct Level II energy audit for DAL Terminal
B1	AVI	Identify retrofit opportunities
B1	AVI	Procure and install EV charging stations, where feasible
B1	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
B1	BSD	Prioritize at least 10 City buildings/facilities for energy assessments based on energy benchmarking data
B1	BSD	Develop a plan to install energy conservation measures identified in energy assessments
B1	BSD	Evaluate funding opportunities for installing energy conservation measures identified in energy assessments
B1	BSD	Develop an annual energy report for energy benchmarked City buildings/facilities
B1	OEQ	Complete Greenhouse Gas Emissions Inventory through NREL contract
B1	OEQ	Plan and hold the annual North Texas Climate Symposium
B1	OEQ	Work with BCM, Parks and BSD to develop draft specifications towards net-zero facility construction
B2: Achieve Level 3+ airport carbon accreditation at Love Field for carbon neutral operations, maintain accreditation for DFW, and pursue for Dallas Executive Airport.		
B2	AVI	Achieve ACA Level 3 or higher accreditation at Love Field Airport
B2	AVI	Verify Scopes 1 and 2 emissions for CY2019
B2	AVI	Determine CY2019 emissions from third-party operators (Scope 3) per ACA standards
B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.		
B3	BSD	Support OEQ and other departments in developing building energy efficiency education programs
B3	OEQ	Support BSD and other departments in developing building energy efficiency education programs
B3	OEQ	Conduct professional workshops for building owners and real estate professionals that convey benefits of energy efficiency programs



City of Dallas

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

B3	OEQ	Provide online resources for tenants about opportunities to reduce energy use and utility bills
B4: Implement a citywide building weatherization program through partnership with community organizations.		
B4	OEQ	Develop resources to connect residents to existing weatherization programs
B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.		
B5	ECO	Expand participation in the City's existing PACE financing program
B5	OEQ	Support ECO in expanding awareness and participation in PACE programs by publicizing PACE on DallasClimateAction.com and social media
B5	OEQ	Explore and share new grant and financing opportunities to support energy efficiency building improvements
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.		
B6	HOU	Develop guidelines for energy efficient appliances installed under the home repair program
B6	HOU	Include efficiency requirements as part of the contractor bid review process
B7: Increase participation and scope of the Dallas Green Business Certification Program.		
B7	OEQ	Increase awareness and participation in the Green Business Certification program
B7	OEQ	Advertise Green Business Certification program in local business publications
B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.		
B11	DEV	Initiate building code updates upon completion of the NCTCOG 2021 Code Update process
B11	DEV	Adopt 2021 International Energy Conservation Code end of 2022
B11	DEV	Work with CAO on approach towards a local amendment to include the EV charging provisions
B11	DEV	Adopt the solar photovoltaics provisions along with the 2021 International Codes
B11	DEV	Continue current plans to incorporate the permitting aspects of the NCTCOG Go Solar North Texas program
B11	DEV	Continue to review SolSmart program for consideration of SolSmart designation
B11	DEV	Begin review of the Solar APP+ for consideration
B13: Establish urban greening factor requirements for new developments that quantify how projects contribute to urban greening for reduced stormwater runoff and urban heat island improvements.		
B13	PUD	Consider greening factor requirements as part of parking ordinance reform



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

B15: Evaluate potential city-owned properties for the creation of resilience hubs.		
B15	BSD	Evaluate at least 5 City buildings/facilities for resilience hubs based on the rubric prepared by NTREG and equity studies
B15	BSD	Evaluate funding opportunities for feasibility studies
B15	OEQ	Evaluate funding opportunities for creation of resilience hubs
B15	OEQ	Support BSD in evaluating facilities for resilience hubs



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

Total actions underway: 9

New actions activated in FY22: 3 (E1, E2, E4)

Total milestones: 28

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

Action	Dept	Milestone
E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.		
E1	BSD	Assess demand response programs for grid reliability in coordination with OEQ and other departments for City buildings/facilities
E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.		
E2	BSD	Energy storage assessments will be included as part of the feasibility studies for resilience hubs and renewable energy hubs for City buildings/facilities
E3: Continue partnership with public utility companies on an intensive program on renewable energy options.		
E3	OEQ	Meet with Oncor and/or local REPs to discuss collaborating on a campaign to promote renewable energy in commercial sectors
E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.		
E4	OEQ	Continue to develop and support the Green Warrior Project
E4	OEQ	Encourage the hiring and/or training of local workforce for city contracts related to renewable energy
E4	OEQ	Work with local nonprofit organizations to expand training opportunities in green careers
E5: Build a regional strategic partnership to promote adoption of renewable energy.		
E5	HOU	Encourage participation in St. Philip's Solar Program
E5	HOU	Continue rooftop solar revolving loan program as appropriations allow
E5	OEQ	Create a working group within RISE to share best practices and increase investment in renewable energy projects
E5	OEQ	Hold a roundtable and/or webinar regarding a regional approach to renewable energy; possibly at the North Texas Climate Symposium
E5	HOU	Evaluate opportunities for partnerships to expand rooftop solar programs as appropriations allow



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

E6: Establish and invest in renewable energy hubs through partnerships with the private sector.		
E6	BSD	Evaluate at least 5 City buildings/facilities for renewable energy hubs based on the questionnaire and specs prepared by NTREG and equity studies
E6	BSD	Evaluate funding opportunities for feasibility studies
E6	OEQ	Evaluate funding opportunities relating to the development of renewable energy hubs
E6	OEQ	Identify potential partners in the private sector
E6	BCM	Continue to request consideration of new or renovated capital city facilities projects for renewable energy hubs
E7: Extend city efforts to develop more renewable energy projects on city facilities		
E7	BCM	Continuously include renewable energy at new and existing facilities whenever feasible in the scopes of work
E7	BSD	Identify at least 10 City buildings/facilities for solar feasibility studies based on energy benchmarking data
E7	BSD	Evaluate funding opportunities for installing solar PV identified in feasibility studies
E7	OEQ	Conduct Solar Site Location Inventory and Evaluation
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	OEQ	Support BSD in developing renewable energy projects on city facilities as appropriations allow
E7	OEQ	Work with stakeholders to develop guidelines and best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms
E8: Continue to implement Green Energy Policy for City facilities.		
E8	BSD	Continue to implement current green energy policy under the existing utility contract for procuring 100% renewable energy and associated renewable energy credits
E8	BSD	Participate in active discussions with other departments to evaluate potential for developing on-site and off-site renewable energy projects
E10: Advocate for renewable energy policies at the state and federal levels.		
E10	OEQ	Advocate for federal policies via Climate Mayors, USDN and/or other national partners
E10	OEQ	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 actions underway: 13

New actions activated in FY22: 8 (T4, T7, T8, T9, T10, T12, T15, T19)

Total milestones: 27

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

Action	Dept	Milestone
T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.		
T1	BCM	Participate in partnerships with internal and external entities to start transition to (?) 100% electric light duty fleet in conjunction with city facilities/ locations
T1	EFM	Conduct fleet electrification feasibility study with NREL
T1	OEQ	Continue to support EFM's fleet electrification study
T1	OEQ	Support NCTCOG's Clean Cities efforts to promote vehicle electrification
T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.		
T4	HOU	Evaluate feasibility of requiring electric vehicle-ready wiring in new construction projects
T5: Support and expand recommended Travel Demand Management strategies identified in the Strategic Mobility Plan.		
T5	PUD	Align Forward Dallas with Travel Demand Management strategies from the Strategic Mobility Plan
T7: Secure resources to implement the existing bicycle network masterplan.		
T7	TRN	Update the 2011 Dallas Bike Plan to help better identify high-priority corridors for implementing bike facilities
T7	TRN	Implement bicycle facilities and lanes, depending on City Council annual appropriations
T7	TRN	Include considerations for additional micro-mobility technologies (i.e. scooters) in addition to cycling in the Bike Plan update
T7	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
T7	PUD	Participate in bike plan update process
T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.		
T8	PUD	Determine equity areas that need improved access to micro-mobility
T9: Increase bus service across the city by adding new routes, shortening headways, and overall increasing service reliability and customer experience.		
T9	PUD	Partner with DART during development of Forward Dallas to align density and land use patterns with public transit to increase ridership where routes exist



City of Dallas

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

T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.		
T10	OEQ	Support regional air quality improvement efforts to reduce single occupancy vehicle trips
T10	OEQ	Support TRN on implementation of Connect Dallas trip reduction actions
T11: Develop a new comprehensive land use strategy in the upcoming comprehensive plan update to pair with the SMP and CECAP goals, adopt policy to reduce transportation related GHG emissions.		
T11	PUD	Continue development of Forward Dallas update
T11	PUD	Partner with stakeholders to ensure alignment with city plans including Strategic Mobility Plan, CECAP, Bike Plan, etc.
T11	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts
T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.		
T12	PUD	Consider transit-oriented development guidelines and strategies as part of Forward Dallas
T14: Adopt a revised parking ordinance strategy that supports new mode split goals and land use strategy that minimizes available parking in transit-oriented districts.		
T14	HOU	<i>Explore options for incentives (i.e., parking reductions) in exchange for affordable housing units onsite or offsite</i>
T14	TRN	Establish On-Street Parking/Curb Management Policy
T14	PUD	Consider amending the parking code
T14	OEQ	Support parking code amendment process
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.		
T15	DWU	Continue City Leadership and Commitment Grant Program
T16: Convert all traffic lights and streetlights to LEDs.		
T16	TRN	Convert lights to LED as funding is made available; All new lighting projects require LED whether City-owned, Oncon-owned or TxDOT-owned (also with Office of Integrated Police Solutions)
T16	AVI	Initiate conversion of streetlights to LEDs, where feasible
T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including, but not limited to local and regional delivery trucks and other heavier vehicles.		
T19	EFM	Share best practices and results of NREL study with the community via NCTCOG



City of Dallas

GOAL 4: DALLAS IS A ZERO-WASTE COMMUNITY.

Total actions underway: 7
 New actions activated in FY22: 2 (SW4, SW6)
 Total milestones: 22

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

Action	Dept	Milestone
SW1: Actively promote source reduction, recycling, and composting to the Dallas community.		
SW1	OEQ	Expand current education efforts to inform residents and business owners of their options to refuse, reduce, reuse, and recycle
SW1	OEQ	Sponsor backyard composting education courses for single family residential customers
SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.		
SW2	POM	Launch the Sustainable Procurement Working Group's inaugural year workplan.
SW2	POM	As part of the workplan, update the City's Environmentally Preferred Products list for use in the City's purchase of goods
SW2	POM	As part of the workplan, develop a total cost of ownership (TOC) model for use in analyzing the cost of a good or service
SW3: Improve solid waste, recycling, and brush/bulky waste collection efficiency.		
SW3	SAN	Pilot Bulk and Brush separation program to assess and evaluate levels of service
SW3	SAN	Evaluate collection routes for efficiency
SW4: Explore potential for electric waste collection trucks.		
SW4	SAN	Continue to monitor technological advancements and viability
SW5: Update and implement the Zero Waste Management Plan.		
SW5	SAN	Adopt revised Local Solid Waste Management Plan
SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the "Litter and Illegal Dumping Assessment Study."		
SW6	SAN	Continue to facilitate BOPA collection events
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
SW6	CCS	Continue to work with Keep Dallas Beautiful affiliate



City of Dallas

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

SW6	OEQ	Support Community Trash Off
SW6	OEQ	Continue direct mail campaign and support for updates to Local Solid Waste Management Plan
SW8: Continue to capture gas and expand capacity from landfill for reuse and evaluate for city operations.		
SW8	SAN	Annually evaluate need for gas collection system expansion
SW8	SAN	Expand program as needed to increase methane recovery



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

Total actions underway: 14

New actions activated in FY22: 3 (WR10, WR13, WR14)

Total milestones: 59

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

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



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

WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.		
WR4	DWU	Continue to offer free automatic irrigation system evaluations and promote best management practices on outdoor watering
WR4	DWU	Develop additional resources to promote reducing outdoor water use
WR4	DWU	Continue ongoing education and outreach programs to promote best management practices that recognize landscape design that reduces water consumption
WR4	CES	Work with OEQ 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
WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.		
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	Continue Watershed Protection Program
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	Continue enhanced monitoring for copper and lead in water distribution system
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	Complete final audit rating to qualify for a Class 4 rating
WR7	DWU	Use rating system to educate flood-prone communities
WR7	DWU	Notification of flood risk associated living/officing within levee and dam protected areas and floodplains



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

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)
WR8	DWU	Fund and implement highlighted stormwater capital improvement objectives for FY 2021-22 from SDM Budget
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	Award Phase 2 of Storm Drainage Assessment
WR9	DWU	Evaluate funding mechanisms to implement critical projects
WR10: Evaluate policies affecting drainage and erosion to ensure sustainable development and mitigate adverse impacts.		
WR10	DWU	Evaluate policies and development code changes to enhance sustainable development, drainage, and erosion control.
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
WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events		
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	Update DWU Integrated Contingency Plan as necessary
WR12	DWU	Provide list of critical facilities to electrical provider



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

WR12	DWU	Evaluate potential ways to go off-grid for wastewater (minimize reliance on electrical grid)
WR12	DWU	Develop a partnership to implement the "Grind2Energy" program (introduction of food waste slurry into wastewater digesters to produce gas to generate electricity)
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
WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.		
WR13	DWU	Evaluate improvements to existing process utilizing new technology to improve water quality
WR14: Evaluate new or improved operational strategies and technologies to optimize the use of chemicals and reduce energy usage at water and wastewater treatment facilities.		
WR14	DWU	Evaluate improvements to existing process and procedures to optimize water and wastewater treatment
WR15: Continue investment in sewer collection system to reduce inflow/infiltration (I/I) to improve water quality and reduce energy usage.		
WR15	DWU	Award construction contracts that will result in the replacement and rehabilitation of wastewater pipelines and manholes, including relocation and private development projects
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.

Total actions underway: 7

New actions activated in FY22: 2 (EG1, EG8)

Total milestones: 52

Table 6: FY 20-21 Goal 6 Actions and Milestones

Action	Dept	Milestone
EG1: Increase and improve access to green spaces particularly within vulnerable communities to reduce impact of urban heat island, localized flooding, and improve public health.		
EG1	PKR	Track acquisition of land
EG1	PKR	Track development of parks
EG1	PKR	Track development of trails
EG1	CES	Work with OEQ 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
EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.		
EG2	DWU	Continue comprehensive storm drainage system assessment activities to identify areas prone to current and future flood risk
EG2	DWU	Use Drainage Design Manual (2019) and Complete Streets Design Manual (2013) as design guidelines
EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.		
EG3	PKR	Increase the tree canopy through tree planting events
EG3	PKR	PKR tree planting goal for FY21-22 is to plant 600 trees
EG3	PKR	Divert brush from the landfill by generating compost and mulch through the Treecycling program
EG3	PKR	Technical team of the Urban Forestry Task Force will identify park properties to conduct tree inventories
EG3	PKR	Technical team of the Urban Forestry Task Force will conduct tree inventories
EG3	PKR	Purchase devices to utilize Treekeeper software
EG3	DEV	Initiate use of Treekeeper program for city-wide tree inventory
EG3	DEV	Identify neighborhoods and parks for pilot tree inventory and initiate inventory
EG3	DEV	Complete the five scheduled UFMP short-term goals for FY 21-22 <ul style="list-style-type: none"> • Emerald Ash Borer (EAB): Continue to work with Texas A&M Forest Service on trap monitoring, complete EAB Action Plan with continuing outreach development • Set and implement inventory schedule for parks, medians, creeks, and floodway management areas • Landscape and Tree Manual review and revisions • Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.



City of Dallas

		<ul style="list-style-type: none">Identify public, private, and non-profit organizations to build and support ongoing tree programs
EG3	DEV	Review and update the Landscape and Tree Manual
EG3	PKR	Conduct tree assessments
EG3	PKR	Prioritize parks that have experienced loss for replanting



City of Dallas

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

EG3	PKR	Track replanting in areas that experienced canopy loss
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
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	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	Initiate ongoing effort to develop educational resources on best practices for maintaining mature trees
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	PKR	Develop best management practices for improving/maintaining prairie health, for example, initiate species-specific herbicide for Johnsongrass
EG4	PBW	Provide support for TreeKeeper program with DWU and PKR
EG4	PBW	Establish coordination of departments for joint enforcement procedures on land resource protection.
EG4	PBW	Identify and designate trees under Article X Historic Tree status
EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.		
EG5	OEQ	Explore policy related to phasing out traditional gas-powered landscape equipment
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



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

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	Develop service level agreement with Parks Department for Old Fish Hatchery at White Rock Lake in partnership with Oncor
EG8	DWU	Conduct Quarterly meeting 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	Add three more pollinator demonstration areas or enhanced natural areas that are certifiable as Monarch Waystations
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
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, ReTree, and Texas Trees Foundation on Breathe Easy Dallas, post-tornado reclamation and Cool Schools programs
EG9	OEQ	Continue to support Breathe Easy Dallas through implementation of intervention actions.
EG9	OEQ	Support ongoing efforts of the UFMP to incorporate nature-based solutions.



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

Total actions underway: 9

New actions activated in FY22: 4 (FA4, FA6, FA7, FA13)

Total milestones: 26

Table 7: FY 20-21 Goal 7 Actions and Milestones

Action	Dept	Milestone
FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.		
FA1	OEQ	Participate in the North Texas Food Policy Alliance
FA1	OEQ	Work in partnership with organizations to provide outreach and education on healthy food and urban agriculture
FA2: Create a Food Advisory Council.		
FA2	OEQ	Meet with the FAC on a regular basis to advise on the development of the Urban Agriculture Plan
FA3: Develop a Dallas Comprehensive Food and Urban Agriculture Plan.		
FA3	OEQ	Develop the Dallas Comprehensive Food and Urban Agriculture Plan
FA3	OEQ	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
FA3	OEQ	As part of the Urban Agriculture Plan, develop a plan to remove aforementioned barriers
FA3	OEQ	As part of the Urban Agriculture Plan, evaluate demographic and community-specific needs
FA3	OEQ	As part of the Urban Agriculture Plan, identify incentives to support agriculture that provides carbon sequestration benefits
FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.		
FA4	ECO	<i>Continue to support Health Food Dallas Initiative</i>
FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.		
FA6	ECO	<i>Partner with local organizations and Office of Community Care on last mile strategies for grocery delivery to reduce delivery fees</i>
FA6	ECO	<i>Support existing programs related to transportation and food access</i>
FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.		
FA7	ECO	<i>Research best practices for mobile grocery stores</i>
FA7	ECO	<i>Evaluate feasibility of incorporating mobile grocery stores into the Healthy Food Dallas Initiative</i>



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

FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.		
FA9	POM	Build on local preference procurement policy to address food procurement that emphasizes healthy, local food
FA9	POM	Work with City nutritionists to define geographic and nutritional standards for all City-sponsored events
FA9	POM	Initiate development of and pilot local food procurement procedures to support policy development
FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.		
FA13	OEQ	Identify food diversion organizations and host a roundtable to identify synergies and opportunities for city-sponsored collaboration
FA13	OEQ	Identify community organizations involved with surplus food diversion
FA13	OEQ	Collaborate with SAN and CCS to connect community organizations already involved in this effort
FA13	OEQ	Work with CCS to consider adding an inspection question regarding diversion of food waste
FA14: Adopt a special events ordinance that encourages procurement of locally sourced food, recycling of waste generated, and compost bins at special events.		
FA14	ECO	<i>Conduct pilot study related to locally sourced food</i>
FA14	CES	Continue partnership with OEQ's 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	OEQ	Implement a pilot for responsible waste management at special events
FA14	OEQ	Include education and separate waste collection streams as part of pilot
FA14	OEQ	Develop draft ordinance for special events that requires multiple waste management options
FA14	OEQ	Develop informational resources to help provide context for the ordinance



GOAL 8: ALL DALLAS' COMMUNITIES BREATHE CLEAN AIR.

Total actions underway: 4

New actions activated in FY22: 0 (*All Air Quality actions have been activated*)

Total milestones: 11

Table 8: FY 21-22 Goal 8 Actions and Milestones

Action	Dept	Milestone
AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.		
AQ1	OEQ	Make data from air monitoring stations available to the public
AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.		
AQ2	OEQ	Implement projects under two new grants for additional neighborhood level air quality monitoring
AQ2	OEQ	Work with TNC, TAMU and Texas Trees Foundation to implement public health interventions based on neighborhood monitor data; complete project data analyses and reporting
AQ2	OEQ	Use resulting neighborhood level data to track progress for air quality improvement
AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.		
AQ3	OEQ	Continue to support Air North Texas Campaign
AQ3	OEQ	Support Clean Air Action Day through virtual and/or in person event(s)
AQ3	OEQ	Evaluate opportunities to expand on Air North Texas Campaign, as feasible
AQ4: Ensure new industries are an appropriate distance away from neighborhoods.		
AQ4	OEQ	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	Develop recommended steps to be taken as part of the implementation program via code amendment and/or localized zoning changes
AQ4	PUD	Incorporate environmental justice into authorized hearing process



IV. Adaptive Management

The CECAP commits to regular review of performance towards meeting the emissions reduction goals set forth in the 2017 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's baseline inventory was completed in 2019 using the International Local Governments for Sustainability (ICLEI) methodology based on data from the 2015 calendar year. The CECAP calls for an update to the GHG inventory at least every three years. To that end, OEQS staff began updating the inventory in FY 20-21, using data from calendar year 2019. The update is using 2019 data because the data from both 2020 and 2021 would be anomalous due to impacts to air quality data from the COVID-19 pandemic, changes to traffic patterns from related shutdowns, and other data excursions. Consistent with the 2015 effort, analysis will be completed using ICLEI methodology, and the Clearpath tool.

These data will also be contributed to the NCTCOG regional GHG emissions inventory underway by the NCTCOG Regional Implementation of Sustainability Efforts (RISE) task force.

This effort allows an assessment City progress towards reducing emissions with respect to the CECAP 2030 and 2050 goals, and can guide future planning, identify any necessary CECAP updates, and focus implementation. Depending on trend analyses, additional actions may be recommended for implementation to improve performance towards meeting the goals of the 2017 Paris Agreement.

V. Budget

Fiscal Year 2021-2022 Budget

All milestones are subject to related annual budget appropriations. The FY 21-22 Budget includes a total of at least \$21.222 million in funding tied to specific CECAP actions. This amount includes \$2.35 million dollars in funding for direct CECAP implementation, by the Office of Environmental Quality & Sustainability, and another \$18.372 million by other contributing departments. The largest share of this funding is tied to sidewalk, bike lane and trail improvements by the Public Works and Transportation departments. Funding aligns with programs and priorities laid out in this work plan, unless otherwise directed and approved by the City Council.

Staff will monitor budget and expenditures within the normal FTA budget tracking processes to ensure project alignment with the approved budget.

Table 9 on the following page includes a summary of the specific line-items and identified projects in the approved FY 21-22 budget; all other actions and milestones in this plan are included within the applicable departmental budgets.



Table 9: Summary of FY 21-22 CECAP Program Budgets

CECAP Sector/Action	Program	Council Appropriation	Lead Department
Air Quality/AQ2	Neighborhood Air Quality Monitors (ARPA)	\$1,000,000	OEQ
Buildings/B4	Weatherization Pilot	\$400,000	OEQ
Energy/E7	City Facility Solar Pilot (1/2 of 2-year program)	\$500,000	BSD
Food Access/FA1	Urban Ag Pilot Project - Increase Access	\$200,000	OEQ
Ecosystems/EG4	Branch-Out Dallas	\$72,000	DWU
Energy/E1	MGT - CECAP funding (<i>develop priorities for energy goals: Solar Siting Evaluation/ Solar environmental BMPs; Community Solar, EV Charging Infrastructure</i>)	\$500,000	OEQ
Energy/E2, E6	MGT - Community Solar Funding	\$250,000	OEQ
Transportation/T7	Bike Plan Implementation	\$2,000,000	TRN
Transportation/T10	Pilot Alley Trails (ARPA)	\$8,800,000	PBW
Transportation/T10	Sidewalk Master Plan Implementation	\$5,000,000	PBW
Transportation/T16	LED Street Lighting Improvements (1/2 of 2-year program)	\$2,500,000	OIPSS/TRN

TOTAL: \$21,222,000

Future Budget Planning

The Comprehensive Environmental & Climate Action Plan is a 30-year plan and therefore, strategic mid- and long-range planning is vital to its successful implementation. In FY 21-22, OEQS staff will work with stakeholders to set priorities for FY 22-23 and FY 23-24, as well as longer-term planning. This will help guide future procurements, grant applications, potential related bond program projects and other budget considerations. Results from the GHG inventory will also be evaluated to help guide project priorities and implementation over the next three years.

VI. Communications

Social Media and Marketing Plan

Staff will develop and implement a social media and marketing plan for ongoing CECAP communication. This plan will include social media messaging (Facebook, Twitter, etc.) as well as virtual and in-person presentations, as COVID-19 restrictions allow. The DallasClimateAction.com website will be continually



improved and optimized for mobile users. Upon completion, this CECAP COMS plan will be appended to the Implementation Work Plan.

Messaging will be developed in conjunction with internal and external stakeholders and will be tailored to target audiences including individuals, neighborhoods, businesses, and other entities.

Additionally, as appropriate and coordinated through appropriate City Management, staff will work with the Office of Communication, Outreach and Marketing to pro-actively provide press releases to provide information to the public on key project completions, events, and program implementation.

Regional Messaging

Ongoing communication and outreach are a vital part of CECAP implementation. City staff will work with the North Central Texas Council of Governments to develop regional messaging related to climate change in North Texas.



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Department Abbreviations

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



City of Dallas

List of All CECAP Actions

- B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.
- B2: Achieve Level 3+ airport carbon accreditation at Love Field for carbon neutral operations, maintain accreditation for DFW, and pursue for Dallas Executive Airport.
- B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.
- B4: Implement a citywide building weatherization program through partnership with community organizations.
- B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.
- 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.
- B7: Increase participation and scope of the Dallas Green Business Certification Program.
- B8: Implement a better buildings challenge that expands the 2030 District goals beyond Downtown Dallas.
- B9: Establish a point-of-sale/point-of-lease home energy rating and disclosure educational program for single-family buildings.
- B10: Prepare for the implementation of a benchmarking and disclosure ordinance for commercial buildings.
- B11: Update the building code to require wiring conduits for solar photovoltaics and electric vehicle charging infrastructure in new construction.
- B12: Evaluate and consider a zero net energy (ZNE) code for all new buildings and substantial renovations by 2030.
- 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.
- B14: Promote passive building design (e.g., orientation, shading devices) through the City's zoning ordinance and design standards.
- B15: Evaluate potential city-owned properties for the creation of resilience hubs.
- B16: Encourage building owners to submeter their buildings to support increased energy conservation.
- E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.



- E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.
- E3: Continue partnership with public utility companies on an intensive program on renewable energy options.
- E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.
- E5: Build a regional strategic partnership to promote adoption of renewable energy.
- E6: Establish and invest in renewable energy hubs through partnerships with the private sector.
- E7: Extend city efforts to develop more renewable energy projects on city facilities
- E8: Continue to implement Green Energy Policy for City facilities.
- E9: Extend partnership with organizations like PACE and other public utility companies to provide further incentives for renewable energy.
- E10: Advocate for renewable energy policies at the state and federal levels.
- E11: Educate commercial power users about power savings associated with demand side management.
- T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.
- T2: Work with private and public intrastate transport operators to expand transit services between major super commuting cities.
- T3: Create an incentives/fee program in which shared mobility services can increase their fleet size and operating footprint if their fleets are increasingly electrified.
- T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.
- T5: Support and expand recommended Travel Demand Management strategies identified in the Strategic Mobility Plan.
- T6: Work with DART to expand the GoPass platform application as a comprehensive “mobility as a service” (MAAS) provider to unify and streamline connectivity between public and private multi-modal networks.
- T7: Secure resources to implement the existing bicycle network masterplan.
- T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.
- T9: Increase bus service across the city by adding new routes, shortening headways, and overall increasing service reliability and customer experience.
- T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.



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.

T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.

T13: Work with DART to roll out a sustainable transport “mobility hub” infrastructure program.

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.

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.

T16: Convert all traffic lights and streetlights to LEDs.

T17: Work with DART to improve bus station shelter amenities that reduce the impact of weather on rider comfort and usability.

T18: Develop and implement the climate change and extreme weather vulnerability and risk assessment for transportation infrastructure.

T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including, but not limited to local and regional delivery trucks and other heavier vehicles.

SW1: Actively promote source reduction, recycling, and composting to the Dallas community.

SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.

SW3: Improve solid waste, recycling, and brush/bulky waste collection efficiency.

SW4: Explore potential for electric waste collection trucks.

SW5: Update and implement the Zero Waste Management Plan.

SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the “Litter and Illegal Dumping Assessment Study.”

SW7: Encourage the development of material markets—focusing on creating new economic opportunities.

SW8: Continue to capture gas and expand capacity from landfill for reuse and evaluate for city operations.

SW9: Adopt an ordinance to implement a city-wide organics management program.

WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.



WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.

WR3: Evaluate potential opportunities and financial feasibility for reusing water for non-drinking purposes.

WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.

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

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

WR7: Use FEMA community rating system to educate and protect communities from flooding.

WR8: Complete the implementation of major planned and ongoing drainage infrastructure projects to improve community resilience to flooding.

WR9: Initiate a comprehensive storm drainage system assessment and planning process.

WR10: Evaluate policies affecting drainage and erosion to ensure sustainable development and mitigate adverse impacts.

WR11: Continue monitoring, evaluating, and updating the drought contingency plan.

WR12: Continue contingency planning to protect and maintain service of key water infrastructure facilities from extreme weather events

WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.

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.

WR15: Continue investment in sewer collection system to reduce inflow/infiltration (I/I) to improve water quality and reduce energy usage.

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.

EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.

EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.

EG4: Continue ongoing programs to collaborate with community organizations to promote tree planting efforts, protection of trees and prairies, and drought tolerant landscapes.



EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.

EG6: Partner with local universities, schools, and NGOs and launch projects for community members to help inventory urban trees.

EG7: Develop a city forest carbon credits program to quantify and monetize sequestered carbon in urban trees.

EG8: Improve the quality of urban ecosystems in Dallas through the sustainable appropriate design, creation, and planting of urban habitats.

EG9: Support public and private partnerships using nature-based solutions to address public health challenges

FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.

FA2: Create a Food Advisory Council.

FA3: Develop a Dallas Comprehensive Food and Urban Agriculture Plan.

FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.

FA5: Support nonprofits solving food justice issues in Dallas with grant writing and developing creative financing options.

FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.

FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.

FA8: Support the creation of food related green jobs in production, processing, storage, distribution, and waste management.

FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.

FA10: Enhance the market by providing incentives to sell locally produced food at affordable prices.

FA11: Increase food security by supporting stakeholders in the food systems food supply chain with tools to plan for changing weather and extreme events.

FA12: Identify opportunities for controlled-environment agriculture to increase local food production that are less energy and water intensive and protected from climate extremes.

FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.



FA14: Adopt a special events ordinance that encourages procurement of locally sourced food, recycling of waste generated, and compost bins at special events.

AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.

AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.

AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.

AQ4: Ensure new industries are an appropriate distance away from neighborhoods.