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**CITY SECRETARY
DALLAS, TEXAS**

City of Dallas

*1500 Marilla Street,
Council Chambers, 6th Floor
Dallas, Texas 75201*

Public Notice

221017

POSTED CITY SECRETARY
DALLAS, TX



Environment and Sustainability Committee

November 7, 2022

9:00 AM

(For General Information and Rules of Courtesy, Please See Opposite Side.)

(La Información General Y Reglas De Cortesía Que Deben Observarse

Durante Las Asambleas Del Consejo Municipal Aparecen En El Lado Opuesto, Favor De Leerlas.)

2022 CITY COUNCIL APPOINTMENTS

COUNCIL COMMITTEE	
ECONOMIC DEVELOPMENT Atkins (C), Arnold (VC), McGough, Narvaez, Resendez, West, Willis	ENVIRONMENT AND SUSTAINABILITY Blackmon(C), Ridley (VC), Arnold, Bazaldua, Resendez, Schultz, West
GOVERNMENT PERFORMANCE AND FINANCIAL MANAGEMENT Mendelsohn (C), Willis (VC), Atkins, Bazaldua, McGough, Ridley, West	HOUSING AND HOMELESSNESS SOLUTIONS Thomas (C), Moreno (VC), Arnold, Blackmon, Mendelsohn, Ridley, Schultz
PUBLIC SAFETY McGough (C), Mendelsohn (VC), Atkins, Moreno, Resendez, Thomas, Willis	QUALITY OF LIFE, ARTS, AND CULTURE Bazaldua (C), West (VC), Arnold, Blackmon, Narvaez, Ridley, Thomas
TRANSPORTATION AND INFRASTRUCTURE Narvaez (C), Atkins (VC), Bazaldua, Mendelsohn, Moreno, Schultz, Willis	WORKFORCE, EDUCATION, AND EQUITY Schultz (C), Thomas (VC), Blackmon, McGough, Moreno, Narvaez, Resendez
AD HOC JUDICIAL NOMINATING COMMITTEE Resendez (C), Arnold, Bazaldua, Ridley, Thomas, West, Willis	AD HOC LEGISLATIVE AFFAIRS Atkins (C), McGough, Mendelsohn, Narvaez, Willis
AD HOC COMMITTEE ON PROFESSIONAL SPORTS RECRUITMENT AND RETENTION Johnson (C), Atkins, Bazaldua, Blackmon, Thomas	AD HOC COMMITTEE ON GENERAL INVESTIGATING & ETHICS Mendelsohn (C), Atkins, Blackmon, McGough, Schultz
AD HOC COMMITTEE ON ADMINISTRATIVE AFFAIRS Willis (C), McGough, Moreno, Schultz, West	

(C) – Chair, (VC) – Vice Chair

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Handgun Prohibition Notice for Meetings of Governmental Entities

"Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun."

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"Pursuant to Section 46.03, Penal Code (places weapons prohibited), a person may not carry a firearm or other weapon into any open meeting on this property."

"De conformidad con la Sección 46.03, Código Penal (coloca armas prohibidas), una persona no puede llevar un arma de fuego u otra arma a ninguna reunión abierta en esta propiedad."

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[INSERT LINK]

Call to Order

MINUTES

1. [22-2605](#) Approval of the September 6, 2022 Committee Minutes

Attachments: [Minutes](#)

BRIEFING ITEMS

- A. [22-2606](#) Hensley Field Redevelopment Plan
[Julia Ryan, Director, Planning & Urban Design; Arturo Del Castillo, Chief Planner, Planning & Urban Design]

Attachments: [Presentation](#)

- B. [22-2607](#) Landscape Equipment Policy Follow-Up
[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)
[Memorandum](#)

- C. [22-2608](#) Comprehensive Environmental & Climate Action Plan (CECAP) Annual Report (FY22 Results & FY23 Implementation Work Plan)
[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability; Pharr Andrews, Senior Climate Coordinator, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)
[Memorandum](#)

- D. [22-2609](#) Environmental Commission Update
[Kathryn Bazan, Chair, Environmental Commission]

ADJOURNMENT

EXECUTIVE SESSION NOTICE

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. seeking the advice of its attorney about pending or contemplated litigation, settlement offers, or any matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the Texas Open Meetings Act. [Tex. Govt. Code §551.071]
2. deliberating the purchase, exchange, lease, or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.072]
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4. deliberating the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee unless the officer or employee who is the subject of the deliberation or hearing requests a public hearing. [Tex. Govt. Code §551.074]
5. deliberating the deployment, or specific occasions for implementation, of security personnel or devices. [Tex. Govt. Code §551.076]
6. discussing or deliberating commercial or financial information that the city has received from a business prospect that the city seeks to have locate, stay or expand in or near the city and with which the city is conducting economic development negotiations; or deliberating the offer of a financial or other incentive to a business prospect. [Tex Govt. Code §551.087]
7. deliberating security assessments or deployments relating to information resources technology, network security information, or the deployment or specific occasions for implementations of security personnel, critical infrastructure, or security devices. [Tex Govt. Code §551.089]



City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 22-2605

Item #: 1.

Approval of the September 6, 2022 Committee Minutes

MINUTES OF THE CITY COUNCIL COMMITTEE
TUESDAY, SEPTEMBER 6, 2022

22-0016

ENVIRONMENT AND SUSTAINABILITY COMMITTEE
CITY COUNCIL CHAMBER, CITY HALL/VIDEO CONFERENCE
COUNCILMEMBER PAULA BLACKMON, PRESIDING

PRESENT: [7] Blackmon, Ridley, *West, Arnold (**10:21 a.m.), *Resendez, Bazaldua (**9:10), Schultz

ABSENT: [0]

The meeting was called to order at 9:02 a.m. with a quorum of the committee present.

The meeting agenda, posted in accordance with Chapter 551, "OPEN MEETINGS," of the Texas Government Code, was presented.

After all business properly brought before the committee had been considered, the meeting adjourned at 10:52 a.m.

Chair

ATTEST:

City Secretary Staff

Date Approved

The agenda is attached to the minutes of this meeting as EXHIBIT A.

The actions taken on each matter considered by the committee are attached to the minutes of this meeting as EXHIBIT B.

The briefing materials are attached to the minutes of this meeting as EXHIBIT C.

***Note: Members of the Committee participated in this meeting by video conference.**

**** Note: Indicates arrival time after meeting called to order/reconvened.**

MINUTES OF THE CITY COUNCIL COMMITTEE
TUESDAY, SEPTEMBER 6, 2022

EXHIBIT A

RECEIVED

2022 SEP -1 PM 2: 54

CITY SECRETARY
DALLAS, TEXAS

City of Dallas

1500 Marilla Street,
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Public Notice

220819

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Call to Order

MINUTES

1. 22-1952 Approval of the August 1, 2022 Committee Minutes

Attachments: Minutes

BRIEFING MEMOS

- A. 22-1953 OEQS Environmental Legislative Priorities Update
[Carlos Evans, Director, Office of Environmental Quality & Sustainability;
Pharr Andrews, Senior Climate Coordinator, Office of Environmental Quality
& Sustainability]

Attachments: Memo

- B. 22-1954 Solar PV Projects Update
[John Johnson, Director, Building Services Department; Srinivas Vemuri,
Senior Program Manager, Building Services Department]

Attachments: Memo

BRIEFING ITEMS

- C. 22-1955 Comprehensive Urban Agriculture Plan (CUAP) Recommendations
[Rabekha Siebert, Urban Agriculture Coordinator, Office of Environmental
Quality & Sustainability; Christian Kanlian, Agritecture; Jeffrey Landau,
Agritecture; Mikel Wilkins, TBG Partners; Jordan Clark, TBG Partners; Scott
Snodgrass, The Edible Group, LLC]

Attachments: Presentation

- D. 22-1956 City Deployment of Electric Vehicle Charging Infrastructure for Public Use
[Carlos Evans, Director, Office of Environmental Quality & Sustainability;
Susan Alvarez, Assistant Director, Office of Environmental Quality &
Sustainability; Pharr Andrews, Senior Climate Coordinator, Office of
Environmental Quality & Sustainability]

Attachments: Presentation

- E. 22-1957 Environmental Commission Update
[Kathryn Bazan, Chair, Environmental Commission]

Attachments: Memorandum

UPCOMING AGENDA ITEMS

- F. 22-1987 A public hearing to receive comments on a proposed municipal setting designation to prohibit the use of groundwater as potable water beneath property owned by Jubilee Park Clinic Holdings, LLC located near the intersection of Parry and Ann Avenues and adjacent street rights-of-way; and an ordinance authorizing support of the issuance of a municipal setting designation to Jubilee Park Clinic Holdings, LLC by the Texas Commission on Environmental Quality and prohibiting the use of groundwater beneath the designated property as potable water - Financing: No cost consideration to the City
Recommendation of Staff: Approval
- G. 22-1988 A public hearing to receive comments on a proposed municipal setting designation to prohibit the use of groundwater as potable water beneath property owned by SCP/OI Good Latimer OZ Owner, LLC located near the intersection of South Good Latimer Expressway and Dawson Street and adjacent street rights-of-way; and an ordinance authorizing support of the issuance of a municipal setting designation to SCP/OI Good Latimer OZ Owner, LLC by the Texas Commission on Environmental Quality and prohibiting the use of groundwater beneath the designated property as potable water - Financing: No cost consideration to the City
Recommendation of Staff: Approval

ADJOURNMENT

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MINUTES OF THE CITY COUNCIL COMMITTEE
TUESDAY, SEPTEMBER 6, 2022

EXHIBIT B

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

Item 1: Approval of the August 1, 2022 Committee Minutes

Councilmember Schultz moved to adopt the minutes as presented.

Motion seconded by Councilmember West and unanimously adopted. (Arnold, Bazaldua absent when vote taken)

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

BRIEFING MEMOS

Item A: OEQS Environmental Legislative Priorities Update

Item B: Solar PV Projects Update

The committee discussed the items.

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

BRIEFINGS ITEMS

Item C: Comprehensive Urban Agriculture Plan (CUAP) Recommendations

The following individuals briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability;
- Rabekha Siebert, Urban Agriculture Coordinator, Office of Environmental Quality & Sustainability;
- Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability; and
- Carl Simpson, Assistant City Manager, City Manager's Office

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

BRIEFING ITEMS

Item D: City Deployment of Electric Vehicle Charging Infrastructure for Public Use

The following individuals briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability;
- Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability;
- Pharr Andrews, Senior Climate Coordinator, Office of Environmental Quality & Sustainability; and
- Carrie Rogers, Director, Office of Government Affairs

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

BRIEFING ITEMS

Item E: Environmental Commission Update

The following individuals briefed the committee on the item:

- Kathryn Bazan, Chair, Environmental Commission; and
- Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

SEPTEMBER 6, 2022

UPCOMING AGENDA ITEMS

- Item F: A public hearing to receive comments on a proposed municipal setting designation to prohibit the use of groundwater as potable water beneath property owned by Jubilee Park Clinic Holdings, LLC located near the intersection of Parry and Ann Avenues and adjacent street rights-of-way; and an ordinance authorizing support of the issuance of a municipal setting designation to Jubilee Park Clinic Holdings, LLC by the Texas Commission on Environmental Quality and prohibiting the use of groundwater beneath the designated property as potable water - Financing: No cost consideration to the City
Recommendation of Staff: Approval
- Item G: A public hearing to receive comments on a proposed municipal setting designation to prohibit the use of groundwater as potable water beneath property owned by SCP/OI Good Latimer OZ Owner, LLC located near the intersection of South Good Latimer Expressway and Dawson Street and adjacent street rights-of-way; and an ordinance authorizing support of the issuance of a municipal setting designation to SCP/OI Good Latimer OZ Owner, LLC by the Texas Commission on Environmental Quality and prohibiting the use of groundwater beneath the designated property as potable water - Financing: No cost consideration to the City
Recommendation of Staff: Approval

The committee discussed the items.

MINUTES OF THE CITY COUNCIL COMMITTEE
TUESDAY, SEPTEMBER 6, 2022

EXHIBIT C

Memorandum



CITY OF DALLAS

DATE September 6, 2022

TO Honorable Members of the Environment & Sustainability (ENVS) Committee

SUBJECT **OEQS Legislative Priorities Update**

This memorandum provides recommendations from the Office of Environmental Quality and Sustainability (OEQS) to the Office of Government Affairs (OGA) for possible inclusion in the City of Dallas Legislative Program, highlights activities by external partners to improve the environment through legislative action, and summarizes legislative priorities identified by ENVS Committee members during the August 1, 2022 meeting.

INTRODUCTION

As background, the Comprehensive Environmental and Climate Action Plan (CECAP) is a comprehensive roadmap that outlines specific activities that the City plans to undertake to improve quality of life for all residents, to reduce greenhouse gas emissions, to prepare for the impacts of climate change, and to create a healthier and more prosperous community. In May 2020, the City Council adopted the CECAP and a suite of actions that point Dallas in the direction of achieving carbon neutrality by 2050. Many of the actions in the CECAP plan would benefit from State legislative support. The 88th Session of the Texas Legislature will convene in January 2023 and many issues affecting local governments and environmental improvements will be considered.

CECAP ALIGNMENT

The following recommended environmental legislative priorities support the actions in the CECAP. OEQS provided this information to the OGA in June 2022.

- Support legislation related to batch plants that require, for example: buffers between batch plants and neighborhoods; onsite air monitoring; controls on stacks; and annual inspections.
- Support legislation related to power grid improvements and distributed energy resources (e.g., battery, solar, wind).
- Supporting legislation related to climate and climate mitigation and adaptation actions.
- Supporting legislation that advances the use of electric vehicles and associated infrastructure.
- Supporting legislation that advances environmental justice, such as: incentives for infrastructure investment in populations disproportionately impacted by pollution; enhanced community engagement by State agencies; and fund an Office of Environmental Justice in the Office of the Public Interest Counsel.
- Support legislation that encourages the donation of pre-consumer edible food from food service vendors directly to those in need.
- Prevent the narrowing of the definition of State waters.
- Support legislation that expands public participation/community involvement in State decision-making processes.

DATE September 6, 2022
SUBJECT **OEQS Legislative Priorities Update**

- Support legislation that expands producer responsibility.
- Support legislation that advances the reduction of harmful greenhouse gas emissions.
- Support legislation that bans the disposal into landfills of certain recyclable and organic materials.
- Support legislation to update substandard home stock (e.g., weatherization, energy efficiency, health and safety upgrades).
- Legislation that supports clean energy job creation and training.
- Supporting legislation that bans single use food containers (e.g., polystyrene).
- Support legislation that ensures greater coordination between the Texas Commission on Environmental Quality (TCEQ) and local governments when issuing permits.
- Support legislation that requires and incentivizes the recycling of certain construction, remodeling, and demolition debris.
- Support legislation that encourages the use of alternative modes of transportation.
- Support legislation that requires the incorporation of reusable and recyclable materials into municipal road construction and maintenance projects.
- Support legislation that encourages the pickup and delivery of food and organic waste from food service vendors for composting.
- Support legislation that allows per ton surcharges on materials disposed in landfills to fund a variety of waste reduction and diversion activities.

PARTNER ALIGNMENT

OEQS collaborates with multiple internal and external partners on the local, state, and national level to advance climate action. External partners such as C40, Climate Mayors, Urban Sustainability Directors Network, and other local stakeholders are also prioritizing support for legislation that, for example, improves environmental justice, increases use of renewable sources of energy, promotes reduced water and energy consumption, and reduces global climate impacts. Adding the City of Dallas voice to this call for action will amplify these items and help produce results for local residents.

ENVS COMMITTEE ALIGNMENT

During the August 1, 2022 ENVS Committee meeting, committee members raised the legislative priorities listed below. Many of the priorities echo concerns raised by OEQS and external partners.

- Legislation that addresses gaps regarding renewables (West vs. East Texas). (CM Blackmon)
- Legislation related to climate and climate mitigation and adaptation actions. (CM Ridley)
- Legislation that advances the use of electric vehicles and EV infrastructure to, for example, expand state and municipal EV fleets. (CM Ridley)
- Legislation related to polluting facilities that require, for example: buffers between facilities and neighborhoods; increased monitoring, testing, recordkeeping, and reporting; increased use of pollution controls; increased inspections; and engaging communities early in the permitting process. (CMs Schultz, Bazaldua)
- Legislation that reduces the use of impervious surfaces to, among other things, reduce stormwater impacts. (CM Schultz)

DATE September 6, 2022
SUBJECT **OEQS Legislative Priorities Update**

- Legislation that addresses facilities that were zoned using predatory/discriminatory zoning practices to reduce, among other things, disproportionate environmental and health impacts on communities of color. (CM Bazaldua)
- Legislation that reduces urban sprawl. (CM West)
- Legislation that expands state and municipal parks. (CM West)
- Legislation that helps protect our urban forests and tree canopy from the emerald ash borer. (CM Resendez)

NEXT STEPS

OGA is currently reviewing recommendations from all City staff and Councilmembers. The next update on the City of Dallas Legislative Program will be presented to the Legislative Ad Hoc Committee on September 13, 2022. The final program will be presented to the full Council during the first quarter of FY23.

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 Pharr Andrews, OEQS Senior Climate Coordinator.

M. Elizabeth (Liz) Cedillo-Pereira, J.D.
Assistant City Manager, City of Dallas

c: Chris Caso, City Attorney
Mark Swann, City Auditor
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Deputy City Manager
Jon Fortune, Deputy City Manager

Majed A. Al-Ghafry, Assistant City Manager
M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager
Dr. Robert Perez, Assistant City Manager
Carl Simpson, Assistant City Manager
Jack Ireland, Chief Financial Officer
Genesis D. Gavino, Chief of Staff to the City Manager
Directors and Assistant Directors

Memorandum



CITY OF DALLAS

DATE August 26, 2022

TO Honorable Members of the Environment & Sustainability Committee

SUBJECT **Solar PV Projects Update**

The purpose of this memorandum is to provide an update on the three solar photovoltaic (PV) projects currently underway.

Fretz Park Recreation Center, Pleasant Oaks Recreation Center, and Dallas West Branch Library were selected for installation of solar PV systems. These three facilities were identified using energy benchmarking data from the Energy Start Portfolio Manager and consideration of identified equity priority areas. As referenced below, in April 2022, the City Council approved a construction services contract related to the installation of solar PV systems for the Building Services Department (BSD).

File ID 22-436: Authorize a construction services contract for the installation of solar photovoltaic systems at multiple City facilities with Ameresco, Inc. through The Interlocal Purchasing System Contract No. 210203 Part 2 - Not to exceed \$993,938.28 - Financing: Capital Construction Fund (\$500,000.00) and Coronavirus State and Local Fiscal Recovery Funds (\$493,938.28).

Following City Council approval, the contractor Ameresco, Inc. completed the project designs for the above three projects and submitted the required drawings for permitting in July 2022. Currently, all the three projects are under review by the Department of Development Services (DEV), with final permit approval expected soon. Ameresco, Inc. has confirmed all required panels have been ordered and approximately 65% of all required support materials/equipment has been received.

Once permits are approved and all required equipment is onsite, it is estimated that each location will take an average of 6 to 8 weeks to complete, weather permitting. During the final stage of the project, power to each facility must be turned off, to connect the solar PV system to each buildings' electrical infrastructure; BSD will coordinate any planned outage, in advance, with the appropriate department/facility management.

Pending no unexpected delays, extended inclement weather, or supply chain issues, all three projects are expected to be completed and operable by December 2022.

DATE August 26, 2022
SUBJECT **Solar PV Projects Update**

Currently, the FY22-23 Proposed Budget does not include any additional funds dedicated to solar projects. However, BSD is actively collaborating with other City departments, such as Office of Government Affairs (OGA) and Office of Environmental Quality and Sustainability (OEQS) to identify any Federal or State grant funds or programs available to further the City's solar PV program.

Should you have any questions, please contact John Johnson, Director of Building Services at john.johnson2@dallas.gov.

Robert Perez

Robert Perez (Aug 22, 2022 15:41 CDT)

Robert M. Perez, Ph.D.
Assistant City Manager

c: Honorable Mayor and Members of the City Council
T.C. Broadnax, City Manager
Chris Caso, City Attorney
Mark Swann, City Auditor
Billerae Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Deputy City Manager
Jon Fortune, Deputy City Manager

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Directors and Assistant Directors



City of Dallas

COMPREHENSIVE URBAN AGRICULTURE PLAN (CUAP)

Urban Agriculture Plan Recommendations

Environment and Sustainability Subcommittee September 6, 2022

Prepared for: Environmental Commission
| City of Dallas, OEQS

By Agritecture

AGENDA



1. Project Team
2. Project Objectives
3. Where are we?
4. Review of Recommendations
5. Timeline

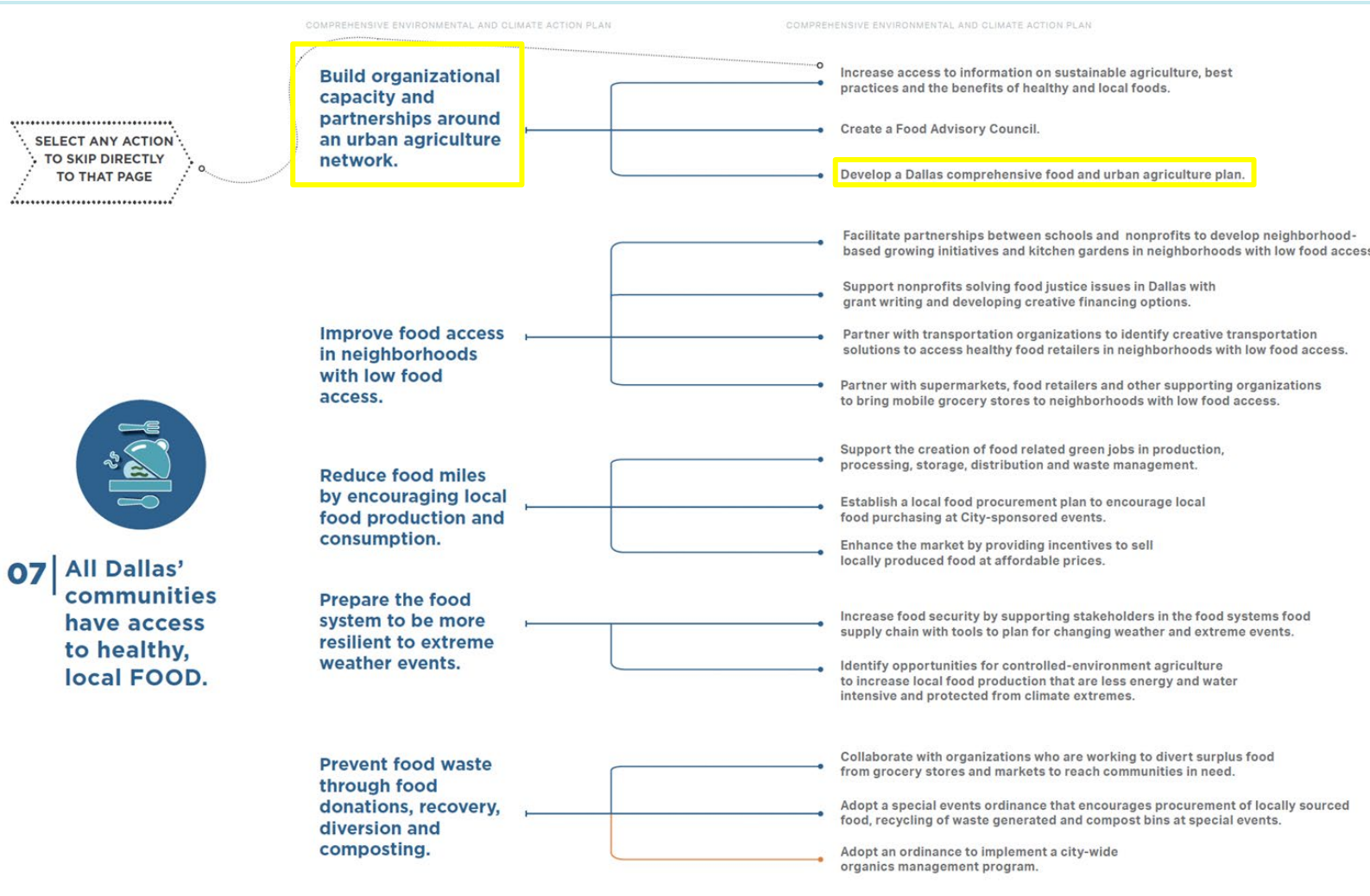




PROJECT TEAM



PROJECT OBJECTIVES



CECAP SECTOR TARGETS

1. HEALTHY AFFORDABLE ACCESS

50% by 2030/100% by 2050

2. INCREASE URBAN GARDEN ACREAGE

20% by 2030/75% by 2050

3. INCREASE LOCAL COMMERCIAL FOOD SOURCING

10% by 2030/50% by 2050

07 | All Dallas' communities have access to healthy, local FOOD.

DEFINE URBAN AGRICULTURE



"Urban agriculture generally refers to the cultivation, processing and distribution of agricultural products in urban and suburban settings, including things like:

- Vertical production
- Warehouse farms
- Community gardens
- Rooftop farms
- Hydroponic
- Aeroponic
- Aquaponic facilities
- Other innovations.



Urban farmers and gardeners work among diverse populations to expand access to nutritious foods, foster community engagement, provide jobs, educate communities about farming, and expand green spaces."

- *USDA. Farmers.gov*



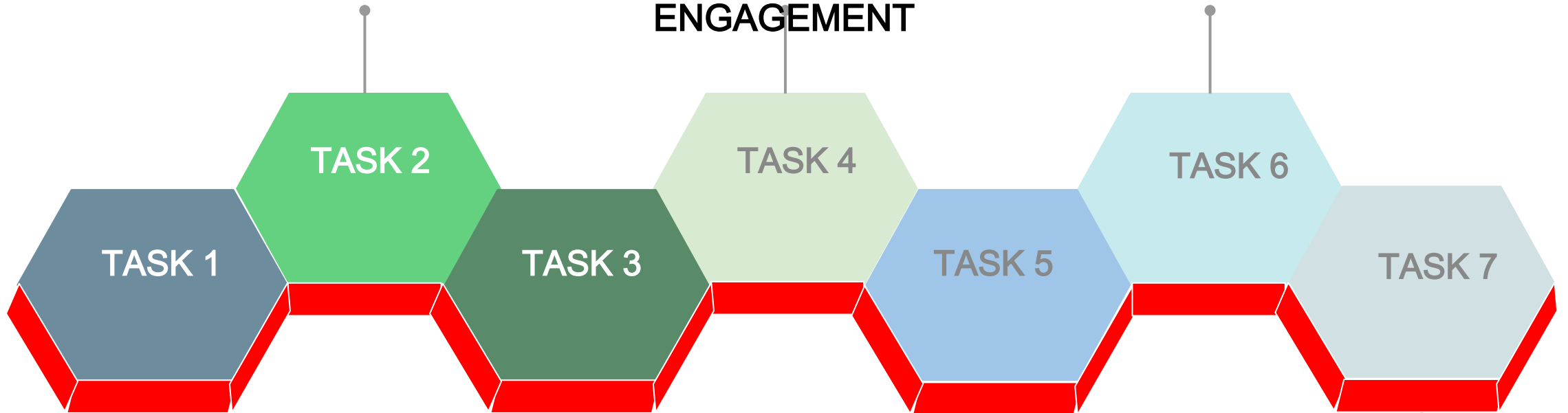


WHERE ARE WE?





COMMUNICATION & COORDINATION COORDINATE COMMUNITY OUTREACH & ENGAGEMENT COMPREHENSIVE URBAN AGRICULTURE PLAN



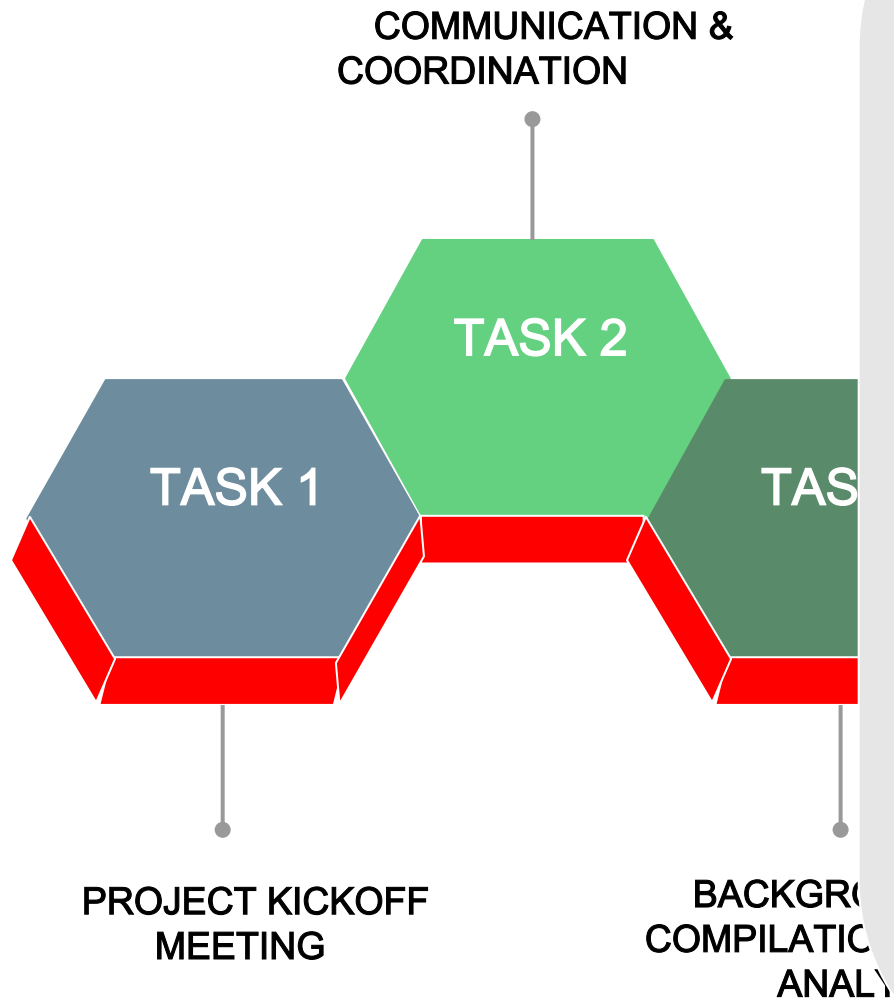
PROJECT KICKOFF
MEETING

BACKGROUND DATA
COMPILATION &
MAPPING ANALYSIS

COMPILE AND UPDATE
GOALS, INITIATIVES, &
CRITICAL STEPS

IDENTIFY
APPLICABLE POLICY
&
CODE AMENDMENTS





- *~55 STAKEHOLDER INTERVIEWS COMPLETED*
- *TWO PUBLIC ENGAGEMENT SURVEYS*
 - *URBAN AG PUBLIC SURVEY ~700+ SURVEY RESPONSES*
 - *GARDEN VERIFICATION RECENTLY LAUNCHED*
- *BACKGROUND RESEARCH COMPLETED*
 - *Review of Local Food, Local Places*
 - *4 OTHER UA PLANS REVIEWED*
- *GISWEB APP BUILT*
 - *OPPORTUNITY ZONES ANALYSIS IN PROGRESS*
- *5 RECOMMENDATION WORKSHOPS COMPLETED*
- *FIRST ROUND ON SITE VISITS COMPLETED*
 - *2ND VISIT SEP/OCT '22*





URBAN AG PUBLIC SURVEY

- Intended to gauge public demand in the City of Dallas for local foods, as well as interest in Urban Farming and awareness of its benefits
- Data collected will support the recommendations made in CUAP
- Provided in both English and Spanish.

This survey has 11 questions:

- 8 Mandatory Questions
- 1 question for zipcode
- 3 questions on Local Food demand
- 4 questions on interest in Urban Agriculture

There are three additional optional demographic questions on age, language, and email for Dallas Urban Ag Newsletter.

In the last year, have you gardened or farmed in Dallas?

☐ Yes

☐ No

Are you interested in volunteering, learning, or working in gardening or farming?

☐ Yes

☐ No

How should the City support urban agriculture?

☐ Provide money or resources to start a garden/farm

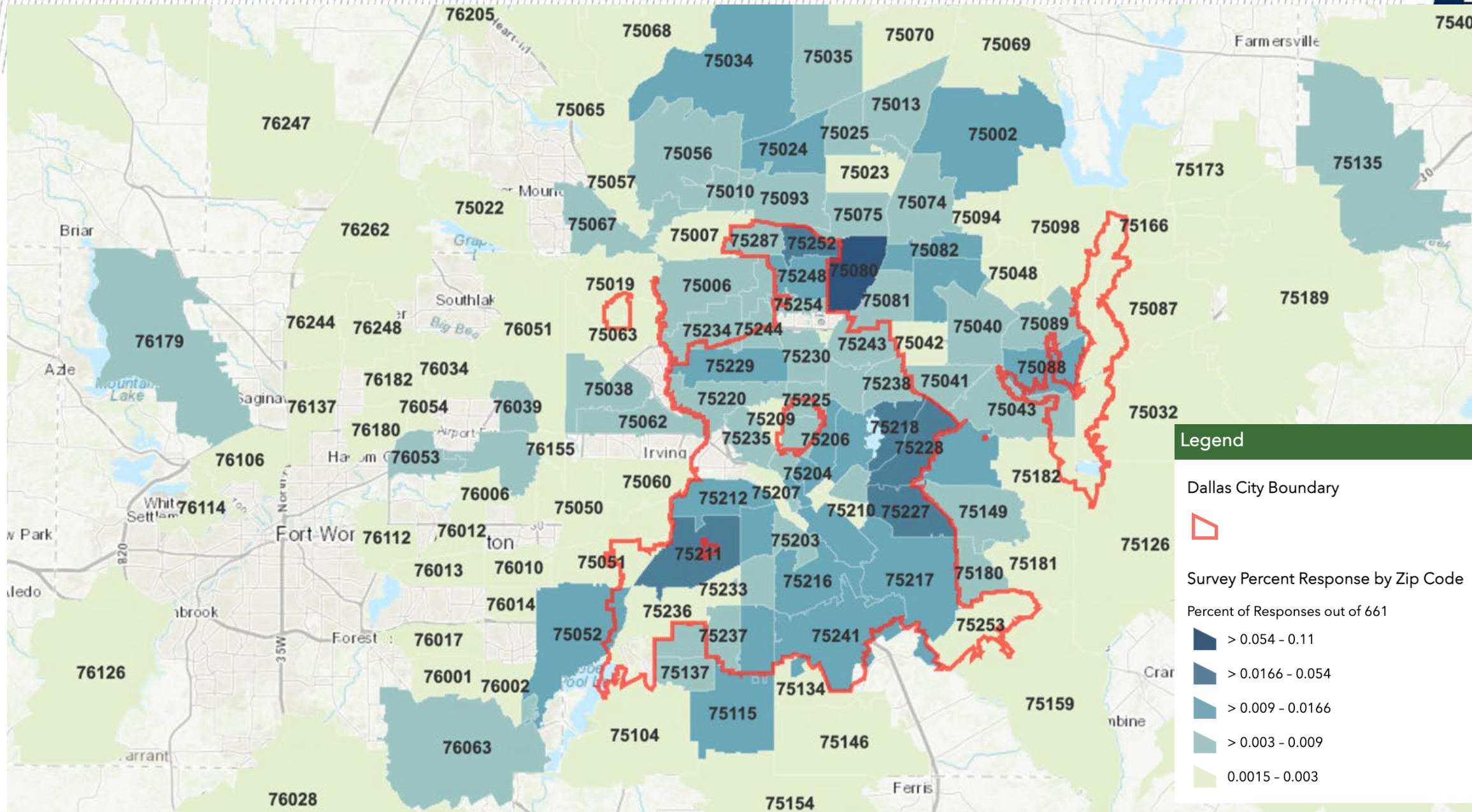
☐ Reduce cost of fresh produce to public

☐ Make land/space available

☐ Provide education/training

☐ Other







CUAP Recommendations & Framework

RECOMMENDATION	1	2	3	4	5
DESCRIPTION					
RELATED CECAP GOAL					
SOLUTION					
Description/ Rationale					
Timeline					
Who Leads/					
Who Supports					
Initial Actions					
Model(s) from other cities					
Success metrics/ indicators					

Recommendations

1. Reduce regulatory barriers to urban food production.

2. Support land access for growers and food-related activities.

3. Provide education, resources, and support to urban farmers

4. Build market opportunities for urban growers.

5. Facilitate collaboration among urban agriculture stakeholders.





City of Dallas - Urban Ag Plan - Recommendation 1 - Reduce Regulatory Barriers To Urban

Prepared for **City of Dallas - Food Advisory Council**

Prepared by **Agritecture**

Created on **July 2022**



WHICH RECOMMENDATION?	Reduce regulatory barriers to urban food production.
DESCRIPTION	<p>Urban farmers currently operate in legal-limbo or petition for exemptions through City Managers and/or City Council. This tedious and confusing process discourages potential new growers from establishing new commercial and community-based UA projects. Moreover, City officials themselves have stated that they do not make permitting and zoning processes easy for citizens. There is a need for clear and inclusive ordinances that provide farmers and City employees clear guidance on how to efficiently establish new UA sites.</p>
<u>RELATED CECAP GOALS</u>	<p>Goal 7 Targets: Increase <i>Urban Agriculture Acreage</i>: 20% by 2030 / 75% by 2050</p> <p>Additional CECAP Goals Impacted:</p> <ul style="list-style-type: none">- Goal 7 FA8 - Support The Creation Of Food Related Green Jobs In Production, Processing, Storage, Distribution And Waste Management.- Goal 6 EG8 - Improve The Quality Of Urban Ecosystems In Dallas Through The Sustainable Appropriate Design, Creation And Planting Of Urban Habitats.- Goal 6 EG9 - Support Public And Private Partnerships Using Naturebased Solutions To Address Public Health Challenges.- Goal 1 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.



RECOMMENDATION 1 REDUCE REGULATORY BARRIERS TO URBAN FOOD PRODUCTION



1

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3

SOLUTIONS

Update Urban Ag Code Ordinance & Agriculture land use description in compliance with the City of Dallas Planning & Urban Design

Change CO/Permitting Process (PLAT map, water meter) (may or may not fall under solution 1)

Create incentives for developers to include Urban Agriculture within new developments.

DESCRIPTION

Catalyst for us to move towards updates to the ordinances/ CO easements.

There are likely goals in existing comprehensive plan (PUD) that could be cited as support for UA.

Easing CO and development review process on owned properties for new structures, new growing and unowned for full permitting

Developers have a significant influence on land use, stand to benefit from Urban Agriculture (amenity benefits, heat island reduction, stormwater infiltration, etc) and have the capital resources to support urban agriculture.

Well-designed city development incentives can encourage more urban agriculture in COD at no cost to the City.

TIMELINE

12 - 18 Months

12 - 18 Months

6-12 Months



RECOMMENDATION 1 REDUCE REGULATORY BARRIERS TO URBAN FOOD PRODUCTION.



1

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SOLUTIONS

Update Urban Ag Code Ordinance and Agriculture land use description

1. Grant program to cover fees for COs/Permits
1. Temporary process internally for AG or non-profit exemption (waiving fees) from CO/permitting process
1. Formalize policy/process change
1. Allow commercial sales of produce from residential property
1. Coordinate with PUD/Housing to explore future opportunities through HUD grants that could potentially support expansion of UA

Change CO/Permitting Process

These action items are currently in work between the Project Team and the Planning and Urban Design Agency at the City of Dallas.

Create incentives for developers

1. Convene developers to identify meaningful benefits
1. Meet with PUD to determine acceptable incentives
1. Design accountability process to ensure program moves the needle on UA

INITIAL ACTIONS

WHO LEADS/ WHO SUPPORTS

OEQS| Planning & Urban Design (PUD) | Cit Attorney's Office

OEQS| Sustainable Development and Construction Department Building Inspection Division | PUD

OEQS | PUD | Sustainable Development and Construction Department



RECOMMENDATION 2 SUPPORT LAND ACCESS FOR GROWERS AND RELATED ACTIVITIES.



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SOLUTIONS

Visualize the COD UA landscape in geographic context, framed with equity.

Tree Tops Down Approach
Matchmaking for city-owned lots

Roots Up Approach
Matchmaking model for private landowners.

Co-Design Approach
Co-design Urban Agriculture Zoning and Land Use educational events/materials

DESCRIPTION

A visual representation of land opportunities suitable for UA, overlaid with the existing UA infrastructure, community assets, and community social determinants of health

Utilizing city owned sites for either permanent or temporary agricultural use would meaningfully advance the CECAP targets of local food production and climate resilience.

Collaborate with established UA practitioners to design a RFP for a decentralized database/matchmaking service between aspiring farmers and landowners, for private, non-COD owned land in the North Texas region.

In order to prevent unintended consequences such as causing nuisances, the COD could partner with residents and UA practitioners to understand land use and zoning guidelines for the diverse set of UA land opportunities.

TIMELINE

Ongoing

12-18 Months

18-24 Months

TBD

RECOMMENDATION 2 SUPPORT LAND ACCESS FOR GROWERS AND RELATED ACTIVITIES.



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SOLUTIONS

Visualize the COD UA landscape

1. Create GIS Web App
1. Produce Citywide and City Council District reports
1. Establish COD ownership of the GIS Web App

Tree Tops Down Approach

1. Use identified UA Priority Area Tracts
1. Develop a public version of the GIS Web App
1. Develop urban farm/garden programs
1. Put in place an audit/maintenance system
1. Create an incentive program, [joint use agreements](#) & Interim-

Roots Up Approach

1. Reach out to existing farmland matchmaking services and inquire about best practices
1. Perform targeted area land use studies in Tier 2 and Tier 1 tracts
1. Convene UA practitioners and peri-urban small farmers in focus groups
1. Determine the most feasible implementation plan

CoDesign Approach

1. Create an UA land opportunity workshop
1. Create a second workshop and brief series for land opportunities.
1. A third workshop brief series could showcase successful production and community engagement techniques

INITIAL ACTIONS

WHO LEADS/ WHO SUPPORTS

OEQS | Other related City agencies and affiliates

OEQS | Other related City agencies and affiliates

TBD Community Partner(s)

OEQS | Other related City agencies and affiliates (PUD)

UA GIS Web Application

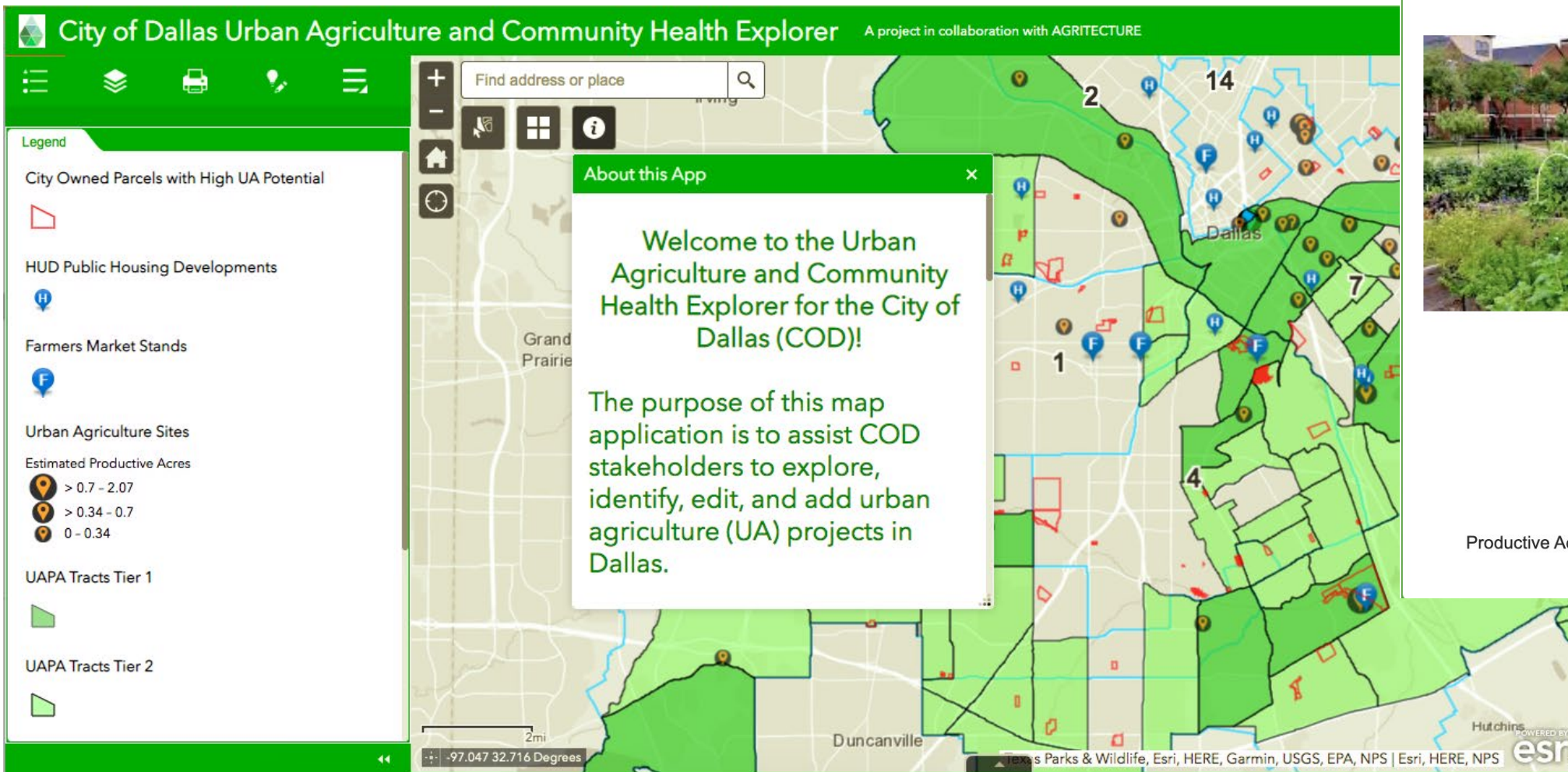
Infographic of Productive Acres

ESTIMATED PRODUCTIVE ACRES



16.78

Productive Acres are estimated by satellite imagery





RECOMMENDATION PROVIDE EDUCATION, RESOURCES, AND SUPPORT TO URBAN FARMERS

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SOLUTIONS

UA Resource Page

Create clear, accessible documents that educate urban farmers

UA Education

Develop and implement a cohesive UA education strategy

UA Workforce Development

Increase internship and traineeship opportunities

DESCRIPTION

Creating a central website will help reduce the siloing and lack of clarity.

Community members can find available land and resources, funding opportunities, training programs, related events, and outside resources.

Working with DISD, HUD, local Colleges will help disseminate knowledge to a widerange of audiences.

Topics can include: optimal growing practices, familiarity with the benefits of UA, and providing more experience for job opportunities in UA.

Increasing internship and traineeship opportunities in urban agriculture will build a pipeline of talent to support local nonprofit and for profit farms.

TIMELINE

12 Months

12-18 Months

< 6 Months





RECOMMENDATION B PROVIDE EDUCATION, RESOURCES, AND SUPPORT TO URBAN FARMERS

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SOLUTIONS

INITIAL ACTIONS

WHO LEADS/ WHO SUPPORTS

UA Resource Page	UA Education	UA Workforce Development
<div>1. Determine website host</div> <div>1. Establish a public input process</div> <div>1. Develop/Gather resources</div> <div>1. Organize a central calendar</div> <div>1. Devote staff members to maintain</div> <div>1. Host workshops and print summaries for those without internet access</div>	<div>1. Create Pilot education program with CityLab school</div> <div>1. Identify experts and institutions who can add value to this process</div> <div>1. Convene local experts to develop region-specific UA best practices.</div> <div>1. Identify and train communications/ programming partners to share information</div>	<div>1. Get website setup from Solution 1</div> <div>1. Consult with established UA Operators to determine qualifications</div> <div>1. Contact stakeholders to gather job offerings</div> <div>1. Upload and maintain</div>
OEQS FAC	OEQS Office of Equity and Inclusion FAC	OEQS FAC Office of Equity and Inclusion



RECOMMENDATION BUILD MARKET OPPORTUNITIES FOR URBAN GROWERS.



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SOLUTIONS

Facilitate connections between local buyers and producers

“Buy Local” campaign with consumer and business facing elements

Reduce barriers to operating farmers markets

Seek funding for nutrition assistance programs to increase purchasing power of low-income consumers

DESCRIPTION

Helping smaller growers access wholesale customers is one of the most impactful ways to develop a local food system. **Institutions represent huge opportunities** to change eating habits at scale and decrease food imports.

By developing a “Buy Local” label or initiative, COD can help give local producers a **marketing and branding advantage**, making them more competitive with producers outside the region.

Reducing the costs and complexity of obtaining a **market permit**, and financially supporting UA farmers with other marketing costs, will help growers scale up production and allow new farmers to access new markets.

Existing programs like **Double Up Bucks** already demonstrate the power of coupling government assistance funding with local food production.

TIMELINE

Can begin soon, to ramp up as production increases

Long term, wait for increase in local production first

In progress, FAC to support

1-2 years



RECOMMENDATION BUILD MARKET OPPORTUNITIES FOR URBAN GROWERS.



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SOLUTIONS

Facilitate connections

1. Convene chefs and growers to discuss challenges with current procurement strategies and opportunities for collaboration.
1. Develop and disseminate a list of active producers and buyers. Share best practices
1. Host a section on the UA website about procurement opportunities and providers.

"Buy Local" campaign

1. Establish relationship with existing local labels
1. OEQS to promote the chosen label and participants on the UA resource page
1. Establish procedures to prevent abuse of the label and erosion of consumer faith

Reduce barriers

1. Ordinance change, Chap 42, sec. 22
1. Explore options for supporting farmers with marketing and distribution costs
1. Provide no-cost spaces for marketing on city-owned properties.
1. Collaborate with DART to promote local producers.

Seek funding for nutrition assistance programs

1. Understand current barriers to expansion (believed to be identifying financial matching partner)
1. Explore funding opportunities, including: LFPP grant Restorative Farms
1. The GusNIP Nutrition Incentive Program
1. Produce prescription program Lexi Uribe UT
1. Distribution/Market at West Dallas Community Center

INITIAL ACTIONS

WHO LEADS/ WHO SUPPORTS

Partnership b/w COD & community partner

TBD
(COD supports, not leads)

OEQS | PUD | FAC

OCC | OEQS



RECOMMENDATION 5 FACILITATE COLLABORATION AMONG URBAN AGRICULTURE STAKEHOLDERS



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SOLUTIONS

Continue a Food Advisory Council that represents a range of UA production systems, funding schemes, and organizational structures	Share knowledge about useful UA events and qualified content experts	Develop a series of Workshops held by Urban Agriculture stakeholders or other industry experts to increase knowledge sharing
---	--	--

DESCRIPTION

Continuing building a Food Advisory Council that represents UA stakeholders assures that there is a central entity within the Dallas community that can serve to strengthen collaboration amongst stakeholders and ease communication with related City Departments and affiliates.

Organizing UA related events and publicizing them provides transparency to UA resources and knowledge and builds organization capacity in the UA community.

Creating a workshop series run by the proposed Urban Agriculture or Food Advisory Council to feature experts and native Dallas Urban Agriculture Stakeholders that address commonly held problems and attempts to find agreed upon solutions. Specifically in the areas of grant writing, shared distribution and/or processing infrastructure.

TIMELINE

Ongoing	Ongoing	6- 12 Months
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RECOMMENDATION 5 FACILITATE COLLABORATION AMONG URBAN AGRICULTURE STAKEHOLDERS



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SOLUTIONS

Continue a Food Advisory Council	Share knowledge about useful UA events	Develop a series of Workshops held by Urban Agriculture stakeholders
----------------------------------	--	--

INITIAL ACTIONS

<ul style="list-style-type: none">1. Set in place a meeting schedule1. Solicit initial feedback from stakeholders regarding priorities and objectives1. Implement processes for auditing and receiving recommendations	<ul style="list-style-type: none">1. Develop a list of useful UA events and find qualified facilitators2. Create an overarching event ("Harvest Fest") in February1. Publish this information on the UA Resource Page mentioned in recommendation three (3)1. Solicit feedback on which trainings and events are the most useful	<ul style="list-style-type: none">1. Conduct an activation event on the state of Urban Agriculture in Dallas, sharing existing operations, opportunities to volunteer and different business models1. Solicit feedback on what future workshops would be the most helpful
--	---	--

WHO LEADS/ WHO SUPPORTS

OEQS Urban Agriculture Stakeholders	OEQS Office of Community Care	OEQS FAC
---------------------------------------	---------------------------------	------------



Comprehensive Urban Agriculture Plan, City of Dallas- Feedback Form

Thank you for taking the time to provide feedback on the City of Dallas's first Comprehensive Urban Agriculture Plan.

This plan is driven by FA3 of Goal 7 of the Dallas Comprehensive Environmental And Climate Action Plan (CECAP).

The targets for Goal 7 are:

- Healthy Affordable Access: 50% by 2030/100% by 2050
- Increase Urban Acreage: 20% by 2030/ 75% by 2050
- Increase Local Commercial Food Sourcing: 10% by 2030/ 50% by 2050

It is essential that this plan provide recommendations that are feasible and actionable for the City of Dallas and local Urban Agriculture stakeholders. This form has been created purposely to allow open ended comments to capture as much detail and nuance as possible.

Please provide your careful review with this in mind. We thank you in advance for your time and consideration.

If you have any questions or wish to speak with the Project Team, please contact Jeffrey@agritecture.com

Overview of Sections:

- (1) General Information
- (2) Recommendation 1: Reduce regulatory barriers to urban food production.
- (3) Recommendation 2: Support Land Access For Growers And Food-Related Activities

Recommendation 1: Reduce regulatory barriers to urban food production.

Do you understand the reasoning behind this recommendation after reading the Description?

"Urban farmers currently operate in legal-limbo or petition for exemptions through City Managers and/or City Council. This tedious and confusing process discourages potential new growers from establishing new commercial and community-based UA projects. Moreover, City officials themselves have stated that they do not make permitting and zoning processes easy for citizens. There is a need for clear and inclusive ordinances that provide farmers and City employees clear guidance on how to efficiently establish new UA sites."

☐ Yes

☐ No

☐ Other: _____

Do you believe Solution 1 is actionable and appropriate?

Please answer yes or no and give an explanation.

Your answer _____

Do you believe Solution 2 is actionable and appropriate?

Please answer yes or no and give an explanation.

Your answer _____



TIMELINE



Present Recommendations
to Food Advisory Council

FAC & EC Deadline to Submit
Feedback on CUAP

Onsite Public Engagement

JULY 26

AUGUST 26

MID OCTOBER

AUGUST 10

SEPTEMBER 6

LATE
OCTOBER/NOVEMBER

Submit draft plan to City Council

Present Recommendations
Environmental
Commissioners

Environmental and Sustainability
Committee



Questions?



All follow-up questions may be sent to

Rabekha Siebert - rabekha.siebert@dallas.gov

Jeffrey Landau - Jeffrey@agritecture.com





City of Dallas

City Deployment of Electric Vehicle (EV) Charging Infrastructure for Public Use

September 6, 2022

Pharr Andrews,
Senior Climate Coordinator,
Office of Environmental Quality &
Sustainability

Overview



- City of Dallas role in deploying public facing EV infrastructure
- Types of EV infrastructure
- Locations for City deployment
- Funding for public EV charging stations
- Next steps



Increased interest in EV charging for public use



Do we have existing funding to install public facing EV infrastructure in City budget?

Where could City of Dallas put public facing EV charging infrastructure?

Are there funding opportunities from the State and Federal level for EV Infrastructure?

What initiatives could be implemented by the City in FY23 to support the deployment of EV charging infrastructure?



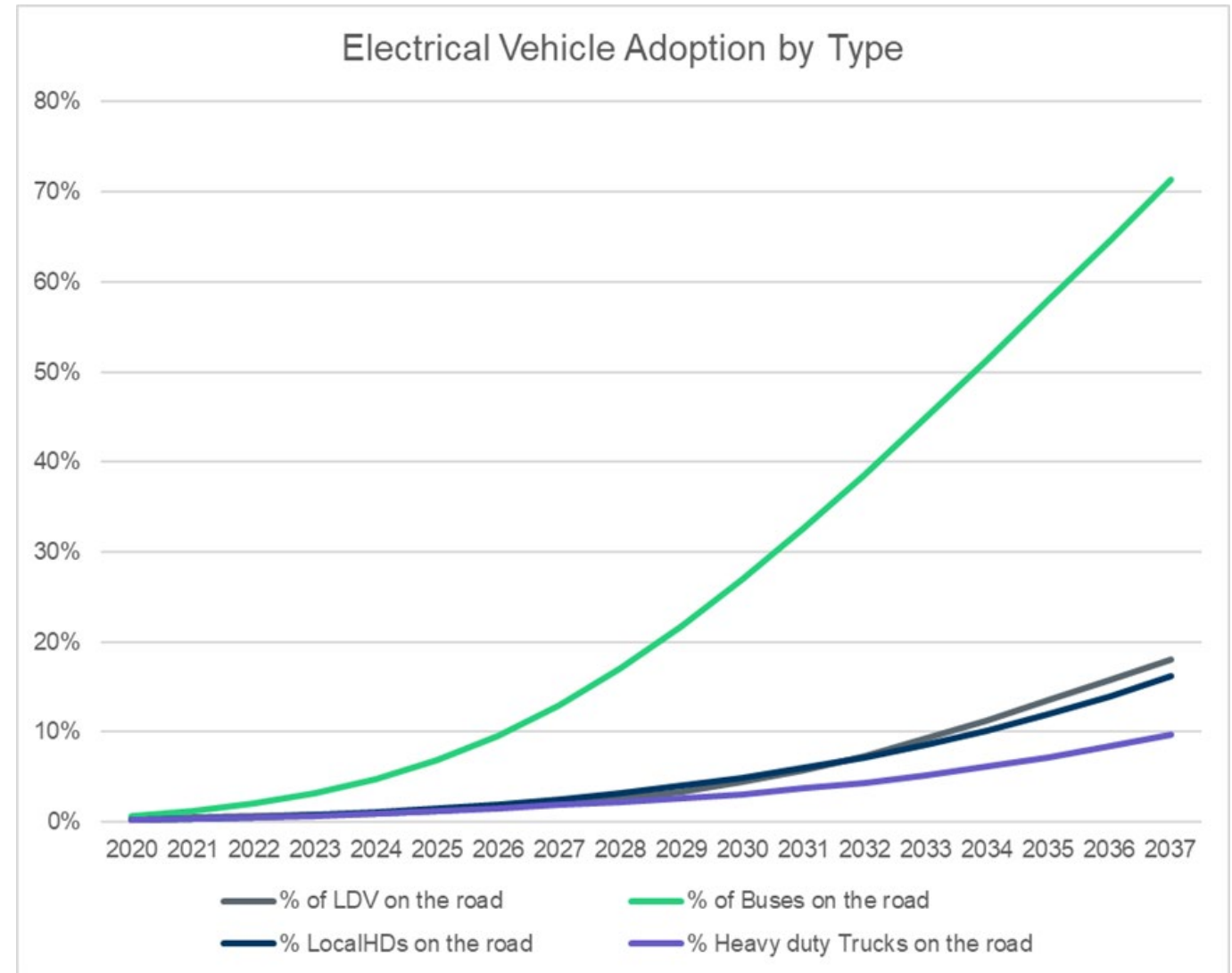
Why does Dallas need more EV infrastructure?



Regional Trends

(December 2021)

37,832 EVs Regionwide
7,371 in City of Dallas
49.6% Average Annual
Growth in EV Registration
2015-2021



Source: Electric Reliability Council of Texas (ERCOT) Long-Term System Assessment, <https://www.ercot.com/gridinfo/planning>. Uses an adjusted (delayed) forecast from Bloomberg New Energy Finance Electric Vehicle Outlook (<https://about.bnef.com/electric-vehicle-outlook/>).



What is the City's role in deployment of EV infrastructure?



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

Objectives

- Shift the surface transportation system to move people and goods in **fuel-efficient vehicles**.
- **Reduce trips** where people drive alone.
- **Synergize jobs and housing** with transportation infrastructure to increase access to walking and biking options, and public transit.
- Ensure that walking, biking, public transit, vehicular transportation **infrastructure is reliable and safe**.



What is the City's role in deployment of EV infrastructure?



CITY
FLEET



PUBLIC



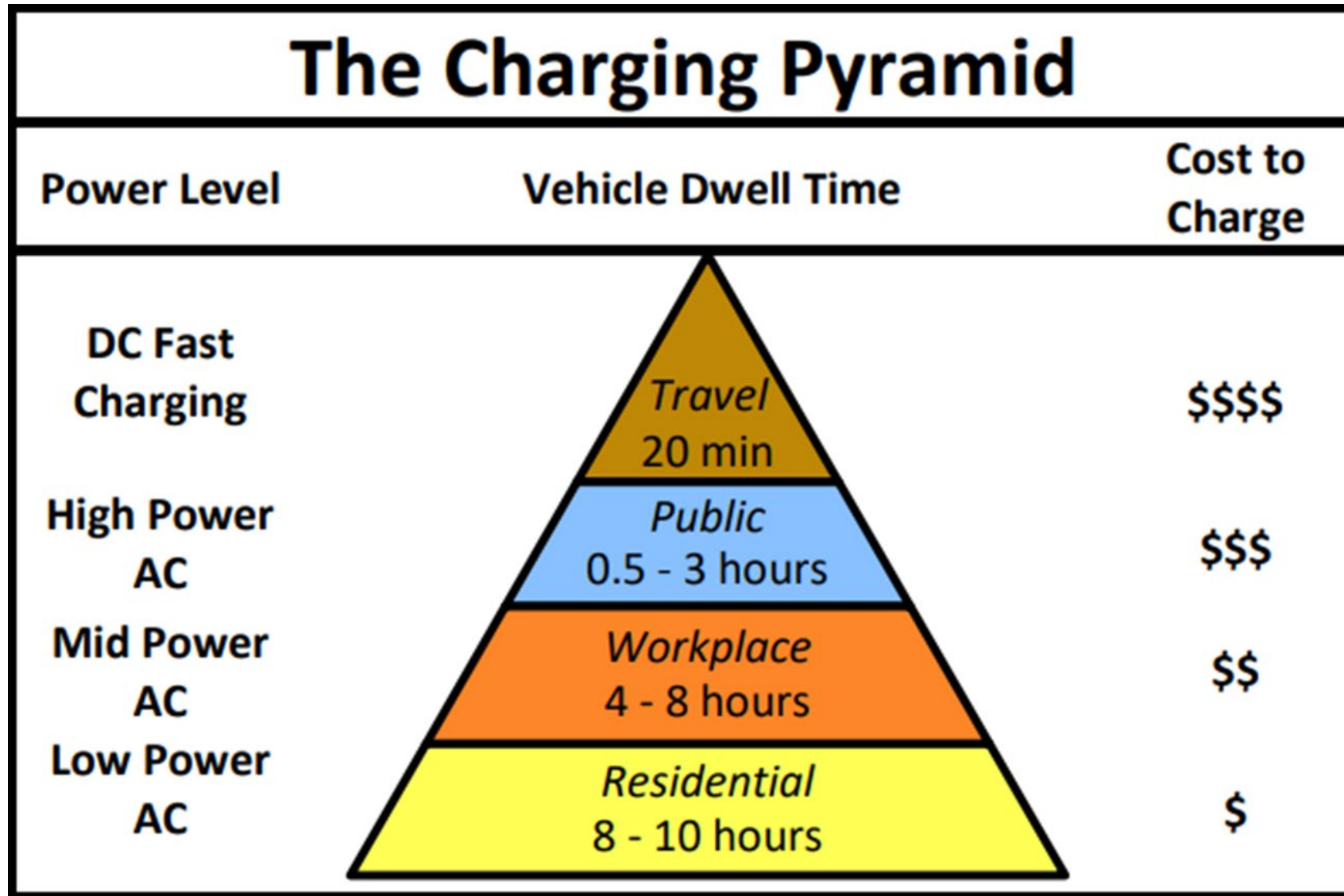
CITY
STAFF



HOME-
OWNERS



What are the types of public EV charging infrastructure?



Charging Pyramid Sourcing: https://afdc.energy.gov/files/u/publication/EV_Charger_Selection_Guide_2018-01-112.pdf



Where could City deploy public EV charging stations?



- Parks
- Libraries
- Recreation Centers
- Convention Centers
- Municipal Buildings





Does the City currently offer public EV charging stations?

Location	Address	Number of Chargers	Cost	Equipment Installed
City Hall	1500 Marilla St. Dallas, TX 75201	2	Free with Paid Parking	Charge Point
Love Field Garages (A,B,C)	8008 Herb Kelleher Way Dallas, TX 75235	30	Free with Paid Parking	Charge Point & Blink
Central Library	1515 Young Street Dallas, TX 75201	1	Free with Paid Parking	TXU
Dallas Executive Airport	5303 Challenger Dr. Dallas, TX 75237	2	Paid	Blink
Dallas Zoo	650 South R. L. Thorton Freeway Dallas, TX 75203	2	Free with Parking	Schnider Electric
Fair Park (near Gate)	3431Grand Ave Dallas, TX 75210	2	Paid	Blink

* 2020 Inventory Data



What cost are associated with EV charging stations?



1. Site Design
2. Utilities
3. Construction
4. Equipment
5. Fees and Pricing
6. Operation & Maintenance



Are there funding opportunities on State or Federal level for deploying EV charging stations?



- NATIONAL ELECTRIC VEHICLE Infrastructure (NEVI) FORMULA PROGRAM (\$5 billion)
- Federal grants for charging and fueling infrastructure (\$2.5 billion)
- Energy Efficiency and Conservation Block Grants (\$550 Million)
- RAISE transportation grants (\$7.5 billion)
- Congestion Mitigation and air quality improvement program funds (\$13.2 billion)
- Carbon Reduction Program (\$6.4 billion)
- Volkswagen Settlement (\$2.9 billion)
- Diesel Emission Reduction Act (~\$46 million)



Bipartisan Infrastructure Law (BIL)



The Bipartisan Infrastructure Deal will invest **\$7.5 billion** to build out the first-ever national network of EV chargers in the United States.

Grants for Charging and
Fueling Infrastructure for
Corridors and Communities
**\$2.5B for Alternative Fuels
(EV, CNG, LNG, LPG, H2)**

National Electric Vehicle
Formula Program
\$5.0B for EV Corridors

A critical element in the Biden-Harris Administration's plan **to accelerate the adoption of EVs to address the climate crisis and support domestic manufacturing jobs.**

Provide funding for deployment of EV chargers **along highway corridors to facilitate long-distance travel and within communities to provide convenient charging where people live, work, and shop.**

Funding will have a particular focus on **rural, disadvantaged, and hard-to-reach communities.**



NEVI Formula Funding Impacts to Texas



TxDOT to Receive and Administer **~\$408 Million Over 5 years** to Deploy Electric Vehicle (EV) Charging

Statewide Infrastructure Deployment Plan Required

Provide at Least **1 Qualifying Station Every 50 Miles** Along Designated Corridors

Be Within 1 Mile of Designated EV Corridor Exit

Include at Least 4 CCS-type DC Fast Charge Connectors, Minimum 150kW Power Output at all Times

Minimum Site Power Capacity 600 kW

Restrict Funding to Designated EV Corridors until Demonstration that all Designated Highways are “Saturated” With Qualifying Stations



Highlights of Draft Texas EV Infrastructure (TEVI) Plan



Enable Current and Future EV Drivers to Confidently Travel Across the State for Work, Recreation, and Exploration

Support 1 Million EVs Upon Build-Out

Draft Plan Posted at https://txdot.mysocialpinpoint.com/tx_ev_plan

Year 1	Install DC Fast Chargers Along Alternative Fuel Corridors (Estimated 55 Stations Statewide; \$36.9M Federal)
Years 2-5	Work with Counties and Small Urban Areas to Install DC Fast Charge Sites In/Near County Seats (Estimated 190 Locations, \$121.6M Federal) Work <u>with MPOs</u> to Identify Locations and Type of Sites (Estimated \$151.5M Federal)
Throughout	Collect Data



NEVI Formula Funding Impacts to Region



**Proposed Allocation for NCTCOG
MPO Area: ~\$65M**

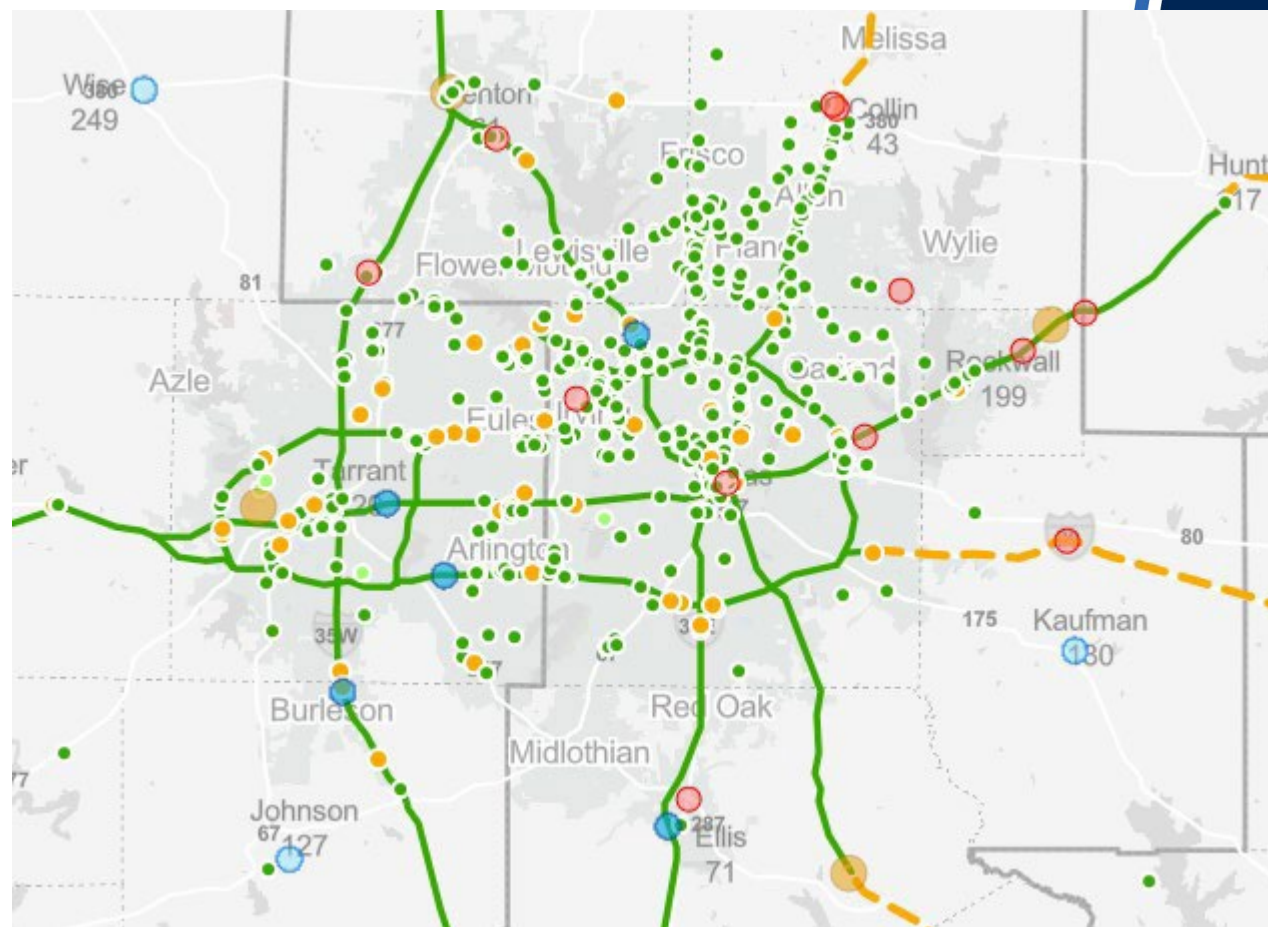
MPO Role to Collaborate with TxDOT:

Recommend Charger Types and
General Locations

Draft Solicitation

Score Responses

Image Source: TxDOT Statewide Planning Map,
https://www.txdot.gov/apps/statewide_mapping/StatewidePlanningMap.htm



Planned DC Fast Charge Stations



Alt Fuel Stations - Electric

EV Charging Type

Level 1

Level 2

DC Fast

DC Fast - Round 6 Potential

Alt Fuel Corridors

Corridor Ready

Corridor Pending

EV Station Study Areas



Study Area - County Seats



Study Area - Electric Alt Fuel
Corridor



Next steps for deployment of public EV charging stations?



- Internal EV charging infrastructure workgroup
- Prepare projects for upcoming grant opportunities
- Incorporate EV ready building codes
- Encourage investments from local businesses and new developments that install charging stations
- Work with regional coalition of stakeholders to leverage resources and build long-term strategies
- Coordinate with energy companies to minimize stress on power grid
- Prioritize charge points in environmental justice areas





City Deployment of Electric Vehicle Charging Infrastructure for Public Use

September 6, 2022

National Drive Electric Week



Pharr Andrews,
Senior Climate Coordinator,
Office of Environmental Quality &
Sustainability



Memorandum



DATE June 8, 2022

CITY OF DALLAS

TO Honorable Chair and Members of the Environmental Commission

SUBJECT **Environmental Health Committee Recommendation on a Gas-Powered Landscape Equipment Policy**

As requested, this memorandum outlines the recommendation of the Environmental Health Committee regarding a policy on the use of gas-powered landscape equipment, including leaf blowers and other gas-powered machinery. After an evaluation of numerous medical studies and peer-reviewed articles, the Committee agrees that there is a correlation between gas-powered landscape equipment and negative health effects for vulnerable populations, equipment operators, and the community at large.

Health issues associated with gas-powered landscape equipment include cardiovascular disease, pulmonary disease, and hearing damage and loss. Studies from the American Speech and Hearing Association, Centers for Disease Control and Prevention, and the Environmental Protection Agency (EPA) acknowledge the negative health impacts.

A 2011 EPA study found that gas-powered landscape equipment emitted approximately 6.3 million tons of Volatile Organic Compounds (VOCs) and criteria pollutants, including carbon monoxide, nitrogen oxide, and Particulate Matter (PM10 and PM2.5).^[1] Ground-level ozone (formed by VOCs and NOx in the presence of sunlight) and fine PM cause or contribute to early death, heart attack, stroke, congestive heart failure, asthma, chronic obstructive pulmonary disease, and cancer.^[2-8] The Dallas-Fort Worth region consistently fails to meet regulatory limits on ozone pollution and exceeds the state and national rates for childhood asthma.^[9] Dallas County leads the region for hospitalizations from childhood asthma, and respiratory issues are a leading cause of absenteeism among Dallas Independent School District students.

Therefore, the committee recommends that the Environmental Commission support a phased transition from gas-powered landscaping equipment to battery-operated or electric-hybrid equipment to reduce particulate matter and other pollutants that affect health and contribute to poor air quality.

For more information, suggested readings include:

- [National Emissions from Lawn and Garden Equipment](#)
- [Electric or Gas Leaf Blowers...Neither?](#)
- [Turning Over a New Leaf: Leaf Blowers and Lawn Mowers](#)

DATE
SUBJECT


June 8, 2022

**Recommendation of Environmental Commission Health Committee on a
Gas-Powered Landscape Equipment Policy**

- [Environmental Noise and the Cardiovascular System](#)
- [Using a low-cost monitor to assess the impact of leaf blowers on particle pollution during street cleaning](#)
- [Lawn and Garden Equipment Sound: A Comparison of Gas and Battery Electric Equipment](#)
- [Auditory and non-auditory effects of noise on health](#)

If you have any further questions, please do not hesitate to contact the Office of Environmental Quality and Sustainability or me.

Thank you for your time and consideration.


[Candace Thompson \(Jun 10, 2022 13:07 CDT\)](#)

Candace Thompson
Chair, Environmental Health Committee
City of Dallas Environmental Commission

c: Dr. Folashade Afolabi
Dr. Sarah Ashitey
Ms. Haddi Bayou
Carlos Evans, Director OEQS
Susan Alvarez, Assistant Director OEQS
Erin Diehl, EVC Board Coordinator

References:

[1] National Emissions from Lawn and Garden Equipment, US Environmental Protection Agency, Region 1, September 2015, Jamie L Banks, Robert McConnell.
<https://www.epa.gov/sites/default/files/2015-09/documents/banks.pdf>

[2] American Heart Association. Facts: Danger in the Air -Air Pollution and Cardiovascular Disease. Accessed 1/6/14 at http://www.heart.org/HEARTORG/Advocate/IssuesandCampaigns/Advocacy-Fact-Sheets_UCM_450256_Article.jsp

[3] American Lung Association. State of the Air 2014 and 2022

[4] Integrated Science Assessment for Particulate Matter- Final Report, US Environmental Protection Agency, December 2009, EPA/600/R-08/139F.

DATE June 8, 2022

SUBJECT **Recommendation of Environmental Commission Health Committee on a Gas-Powered Landscape Equipment Policy**

[5] Provisional Assessment of Recent Studies on Health Effects of Particulate Matter Exposure, US Environmental Protection Agency, December 2012, EPA/600/R-12/056F.

[6] Integrated Science Assessment for Ozone and Related Photochemical Oxidants, US Environmental Protection Agency, 2013, EPA/600/R-10/076F.

[7] Air Pollution and Cancer, K Straif, A Cohen, J Samet (Eds), Scientific Publication 161, International Agency for Research in Cancer, World Health Organization, Lyon Cedex FR:IARC, 2013.

[8] Shah ASV, Lee KK, McAllister DA, et al. "Short Term Exposure to Air Pollution and Stroke: Systematic Review and Meta-Analysis," BMJ 2015;350:h1295.

[9] Cook Children's (website). Asthma: Six-county profile. content from their regular Community-wide Children's Health Assessment and Planning Survey (CCHAPS).
<https://www.centerforchildrenshealth.org/en-us/HealthIssues/asthma/Pages/Asthma.aspx>. Retrieved online May 18, 2018.



City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 22-2606

Item #: A.

Hensley Field Redevelopment Plan

[Julia Ryan, Director, Planning & Urban Design; Arturo Del Castillo, Chief Planner, Planning & Urban Design]



City of Dallas

Hensley Field Redevelopment Plan

**Environment and
Sustainability Committee
November 7, 2022**

Julia M Ryan, AICP

Director

Planning and Urban Design

Arturo Del Castillo, AIA

Chief Planner

Planning and Urban Design

Presentation Overview



- Purpose & Background
- Plan Overview & Recommendations
- Environmental Remediation
- Governance
- Next Steps



Purpose



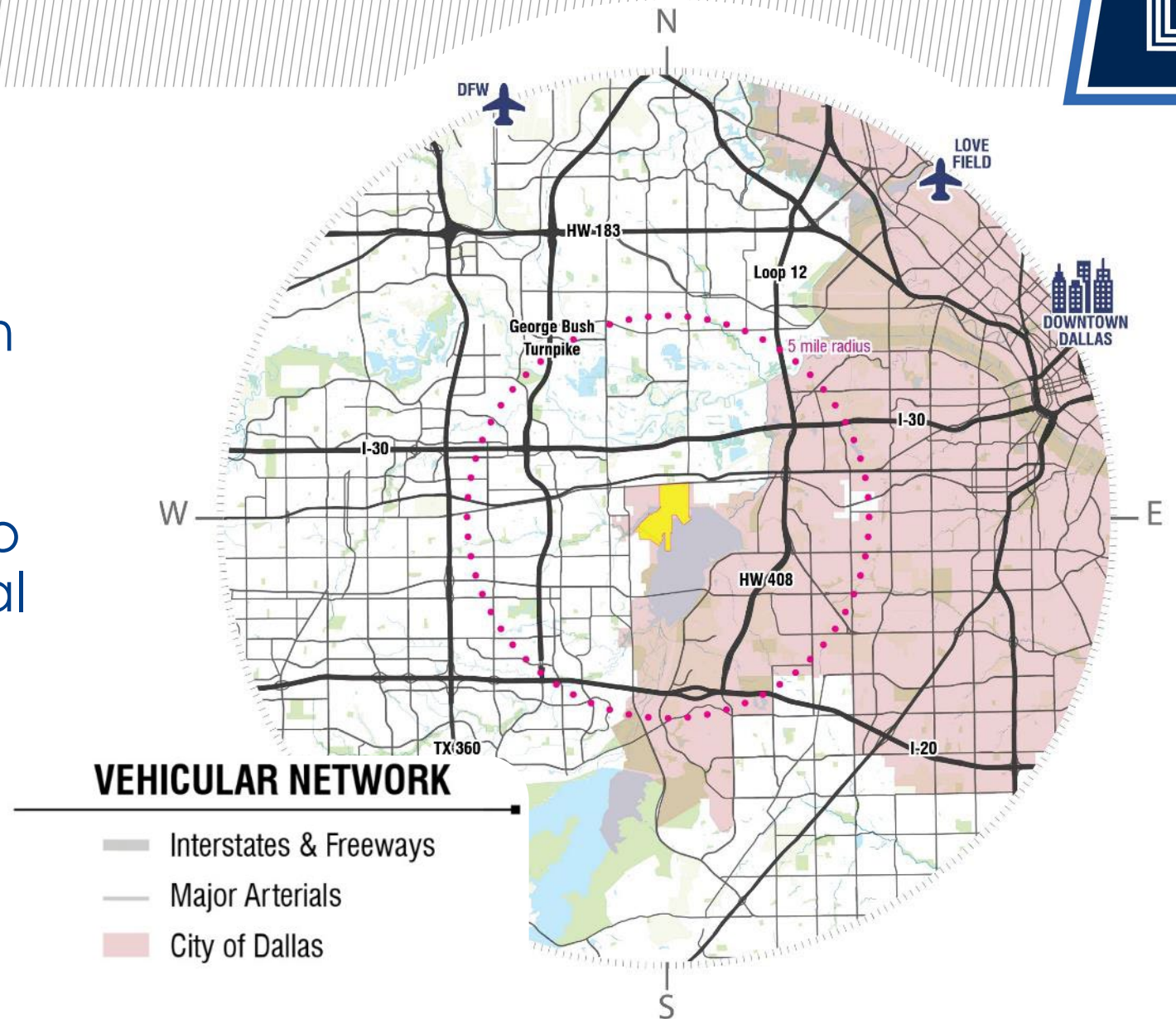
Brief the Committee on the Draft Hensley Field Master Plan and next steps ahead of the City Council public hearing



Background



- 738-acre City-owned site on north shore of Mountain Creek Lake with 2 ½ miles of lake frontage
- Located at Dallas' southwestern edge adjacent to Grand Prairie with regional access via E. Jefferson Street, Loop 12, Beltline Road, and I-30



Background



- Hensley Field was **leased by the U.S. Navy from 1949 to 1999**. The site has been used for temporary storage, City functions, and other unrelated leases.
- The **U.S. Navy is obligated to clean up Hensley Field** and a redevelopment **master plan was developed to provide clarity** on the City's vision to facilitate redevelopment.
- City Council authorized execution of a professional services contract with McCann Adams Studio to develop a master plan on **August 26, 2020** for \$2,000,000.



Background – Engagement



- Hensley Field Discovery Tour
- Virtual tour and survey The Technical Advisory Group (TAG)
 - 60 members representing City departments and partner agencies
- The Stakeholder Advisory Group (SAG)
 - 39 members representing a diversity of interest groups
- Focus Group Meetings
 - Specific topic area meetings



Background - Project Mission



Leverage the value of this **City-owned asset** to create an implementable plan that **achieves community objectives** related to social equity, economic vitality and environmental stewardship.



Plan Overview



Plan Overview



- Walkable, well-designed, mixed-use and mixed-income community
- Interconnected network of open spaces and orientation to Mountain Creek Lake
- Historic preservation and adaptive reuse
- Multi-modal transportation system
- Net-zero construction and the maximization of renewable energy sources



Plan Recommendation

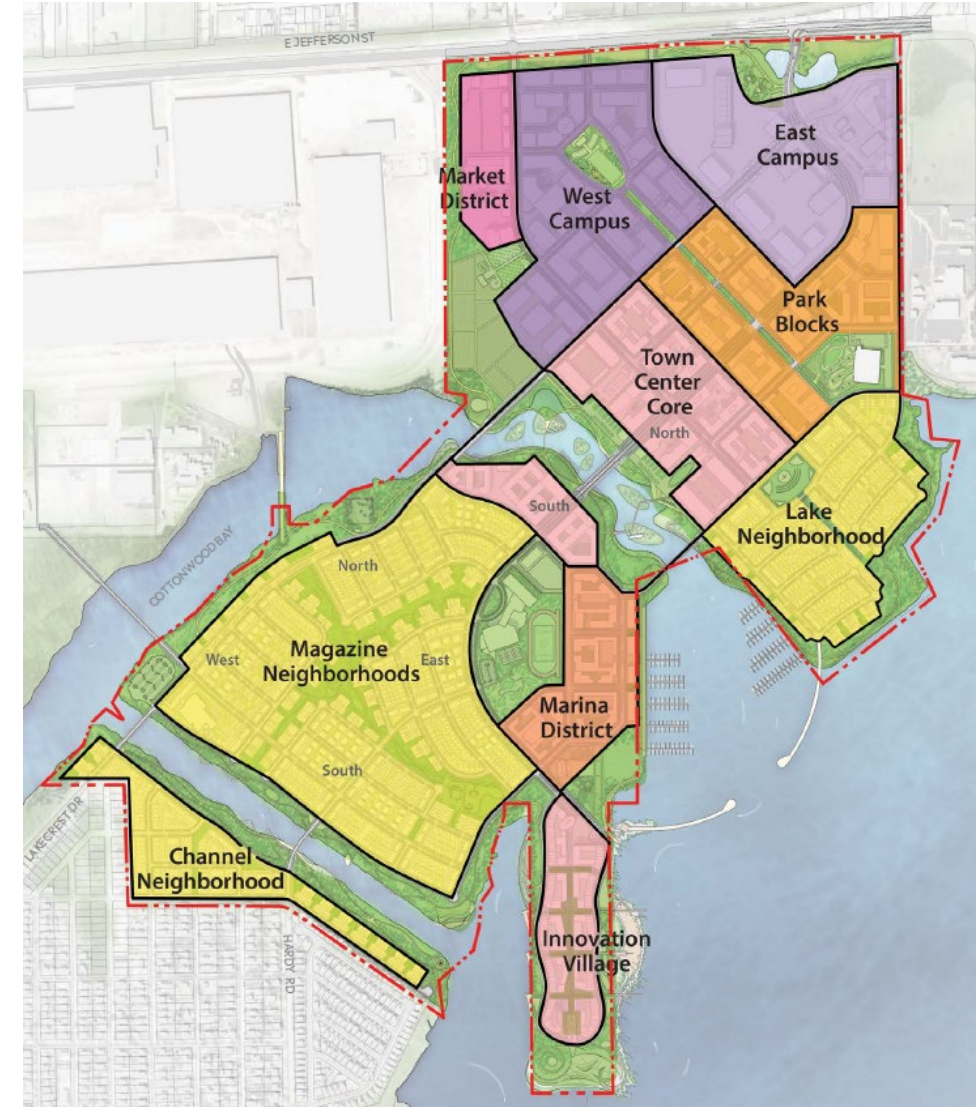


Plan Recommendations



Land Use and Urban Design

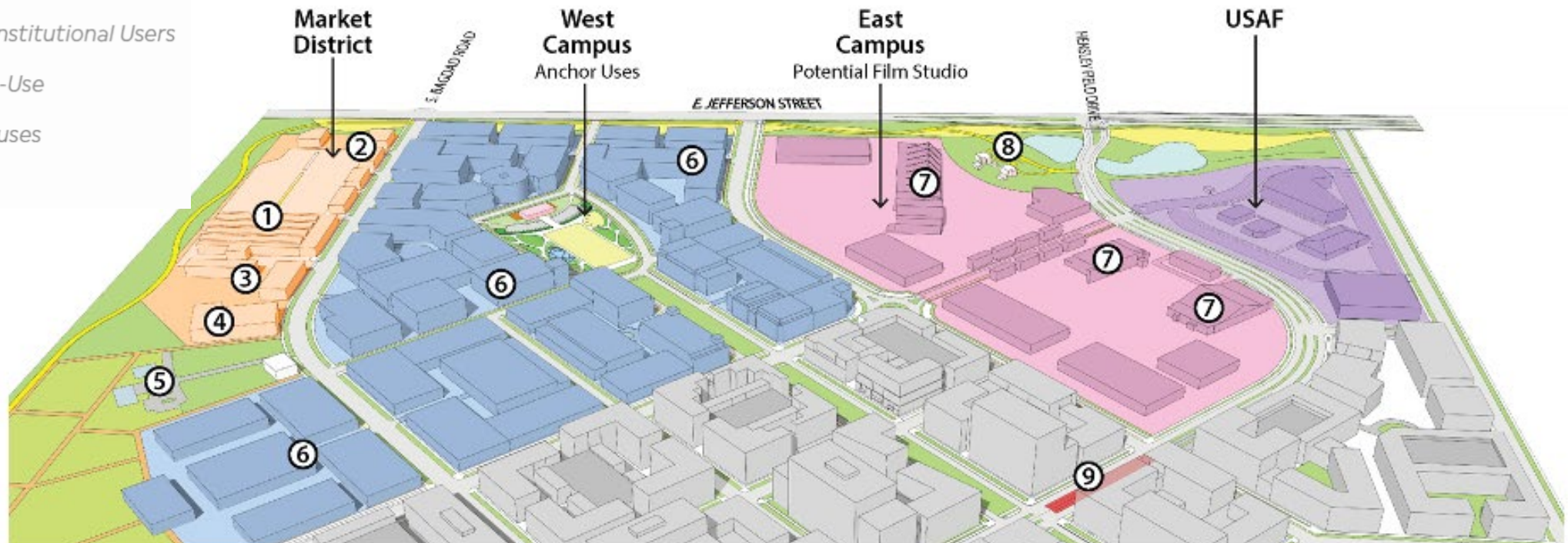
- Reserve **60 to 80 acres** of land along the Jefferson Street frontage for one or more **corporate or institutional** user(s) and consider film studio complex
- Reserve a 10-acre site for GPISD **public school** and locate the facility adjacent to a 10-acre playfield area
- Reserve a site for a future **Fire/EMS station**
- Plan for food access with space for a full-service **grocery store and urban farm**
- **Urban design standards** included within the zoning and entitlement framework



Plan Recommendations



- ① Full Service Grocery Store
- ② Regional Retail
- ③ Fire / EMS Station
- ④ Composting / Recycling Center
- ⑤ Urban Farm
- ⑥ Corporate and/or Institutional Users
- ⑦ Existing Hangar Re-Use
- ⑧ Historic Officer Houses
- ⑨ BRT Station



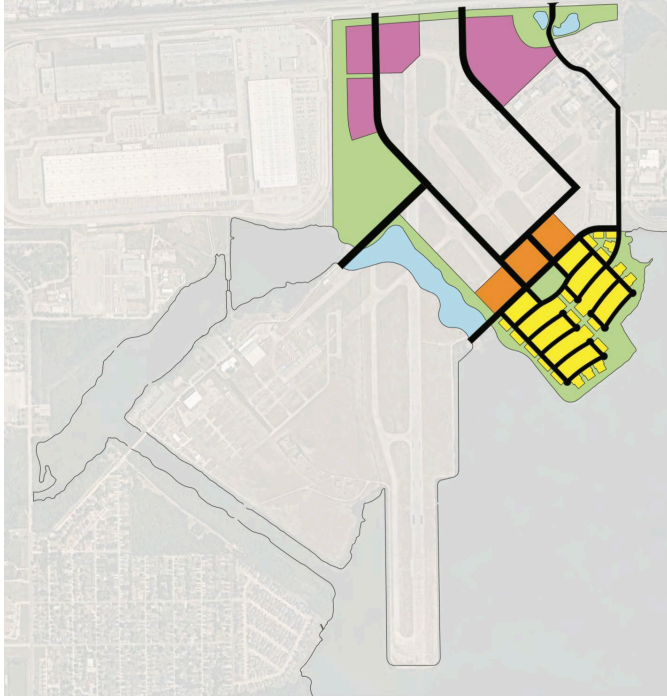
Economic Development Opportunity at Hensley Field



Plan Recommendations – Phasing

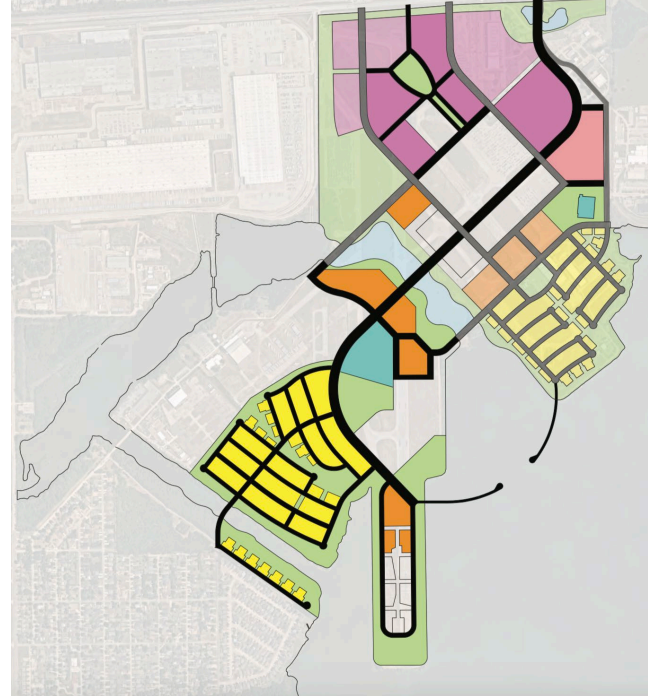


PHASE ONE: 0-5 Years



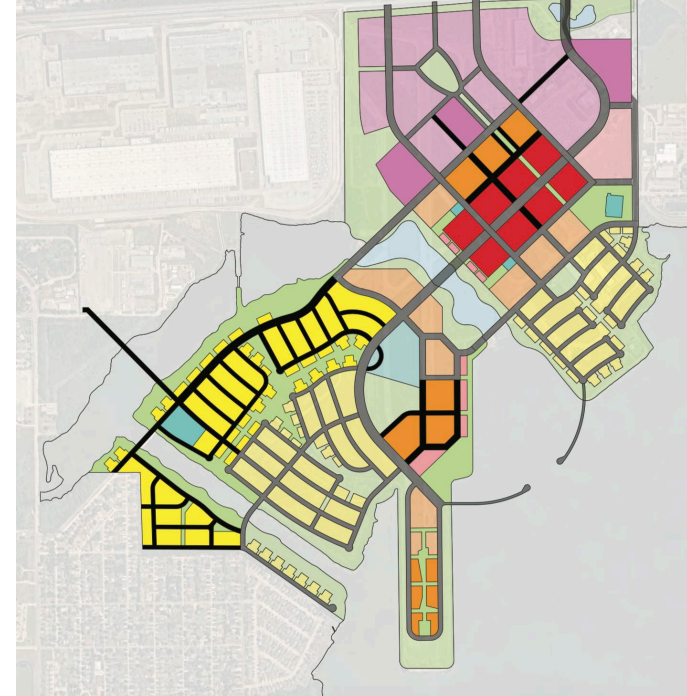
- **1,019 Dwelling Units**
 - 465 Single Family Homes
 - 554 Apartments
- **958,000 sf Non-Residential**
 - 824,000 sf Anchor Uses
 - 134,000 sf Commercial

PHASE TWO: 6 – 10 Years



- **1,664 Dwelling Units**
 - 683 Single Family Homes
 - 981 Apartments
- **1,205,000 sf Non-Residential**
 - 968,000 sf Anchor Uses
 - 237,000 sf Commercial

PHASE THREE: 11-20 Years



- **3,789 Dwelling Units**
 - 957 Single Family Homes
 - 2,832 Apartments
- **1,373,000 sf Non-Residential**
 - 493,000 sf Anchor Uses
 - 880,000 sf Commercial



Plan Recommendations - Housing



Housing

- A complete spectrum of housing choices
 - 6,848 homes
 - 30% single-family
 - 70% apartments/condominiums
- A **mix of for-rent and for-sale housing**, such that there shall be no more that 60% of one or the other type of tenure



Detached on Small Lots



Clustered Rowhouses



Rowhouses



Apartments and Condominiums



Plan Recommendations – Key Housing Policies



Hensley Field will be an inclusive community of socially and economically diverse residents, a mixed-use and mixed-income community.

- 20% of all homes will be priced for individuals or families earning 80% of AMI for ownership housing and 60% of AMI for rental units.
- An additional 10% of homes should be priced to buyers or renters earning between 81%-120% of AMI.
- Strategies for **long-term affordability** include Builder Cross Subsidies, Community Land Trusts, Rental Housing Agreements, and Low-Income Housing Tax Credits.
- A **non-profit stewardship entity** should be established to administer the affordable housing program with start-up capitalization and reserves for long-term operations.
- Affirmative **marketing plans** should be focused on education, wealth-building and financial assistance.
- Key selection criteria for the Master Developer partner should include **direct experience and commitment to the implementation of the affordable housing program.**



Plan Recommendations – Public Open Space



- Ensure that every resident and employee is within a **five-minute walk of public open space**
 - Reserve at least 25% (185 acres) of the site for publicly-accessible open space
- Assess the **realignment of Cottonwood Creek**
- Achieve **40% tree canopy coverage** by 2050
- Construction of **multi-use trails** for recreation and transportation



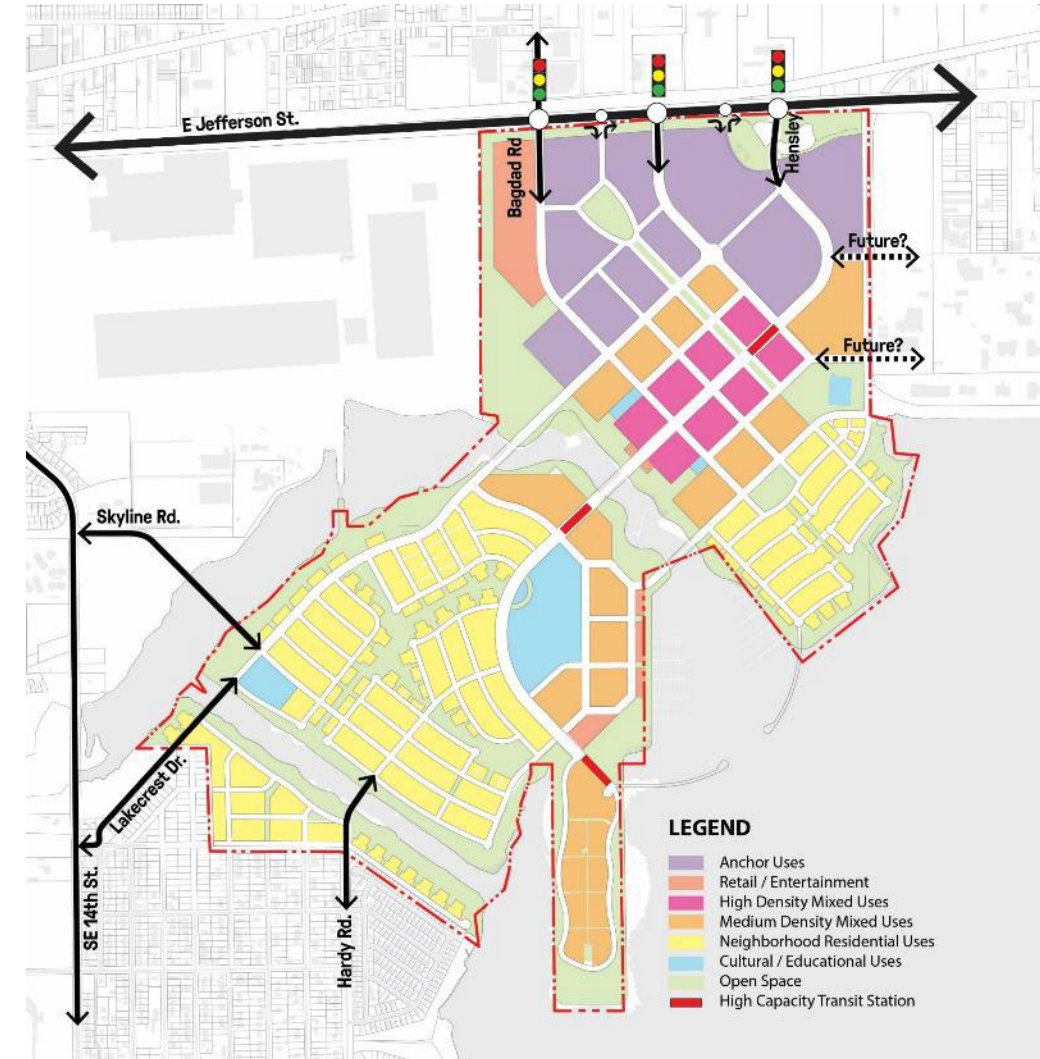
Plan Recommendation



Plan Recommendations – Mobility



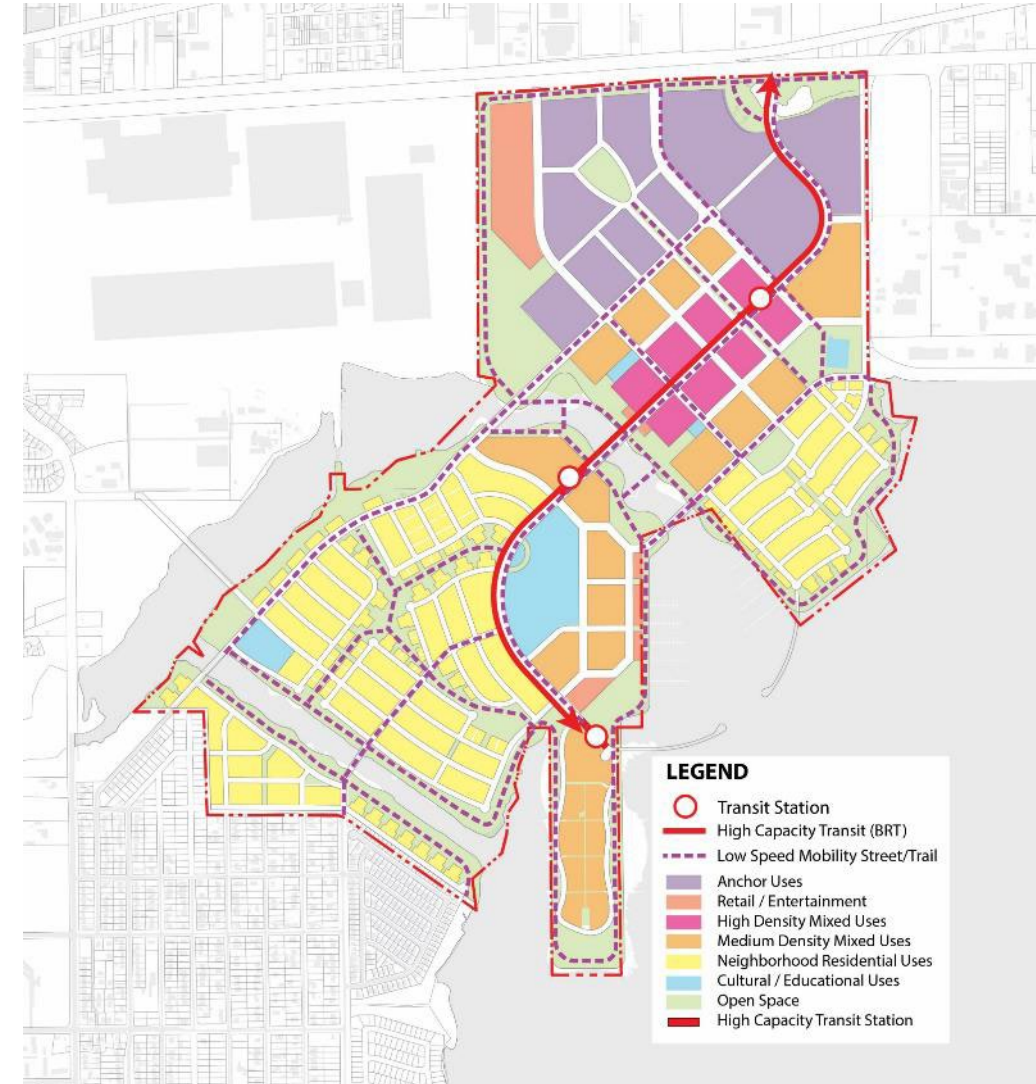
- Maximize connections to surrounding roadway network to **reduce congestion and distribute trips**, including:
 - Signalized intersections on Jefferson Street
 - Hardy Road and Lakecrest Drive connections across the diversion channel
 - A Skyline Drive connection across Cottonwood Creek
 - Future eastern roadway connections to adjoining properties upon their development



Plan Recommendations – Mobility



- Ensure most residents are within a **10-minute walk of transit**
- Coordinate with DART to plan a **high-capacity transit** linkage to Hensley Field, including;
 - Center –running Bus Rapid Transit (BRT) with dedicated lanes
 - Exploration of future Light Rail Transit (LRT) with direct connections to Downtown
- Build a network of “**Low-Speed Mobility**” streets with protected bikeways
- Implement **Complete Streets** design that priorities a **high level of comfort** for pedestrians and bicyclists



Plan Recommendation



Plan Recommendation



Plan Recommendations – Historic Preservation



- **Preserve and interpret the history of Hensley Field** so future residents and visitors can engage with and enjoy its unique character and identity.
 - Work with the COD Historic Preservation Office to develop a strategy for the protection, **reuse and interpretation** of historic landscapes and structures
 - Take steps to **stabilize** key historic facilities
 - Pursue a major, **publicly-oriented use** for the historic Dallas Naval Air Station (DNAS) Maintenance Hangar



Officers Homes, c. 1932



DNAS Hangar, c. 1941



Fuget Cemetery, c. 1864



DNAS Water Tower, c. 1941



Arms Magazine, c. 1952



Plan Recommendation



Plan Recommendations – Sustainability



- Establish Hensley Field as a living laboratory for resilience and a **proof of concept for CECAP**.
 - Achieve minimum Gold Certification LEED Cities and Communities
 - Establish **net zero energy** and low carbon healthy materials for all construction
 - Develop an “Innovation Village” on the Runway Peninsula as a **demonstration project** that tests state-of-the-art green infrastructure and emerging building technologies
- Provide recycling and composting collection throughout Hensley Field aligning with City of Dallas’ **zero waste goal**



“Innovation Village” (with a non-profit or corporate sponsor) as a demonstration project



Coordinate with utility providers the commercial viability of District Energy and Micro Grid





Environmental Remediation



Contaminants Of Concern

- Remediation of metals, petroleum hydrocarbon, polychlorinated biphenyls (PCBs), semi-volatile organic compounds, and chlorinated solvents has already taken place with **soil remediation completed and approved** by the Texas Commission on Environmental Quality (TCEQ).
- **Groundwater** remediation has been **partially completed** and is in progress by the Navy.

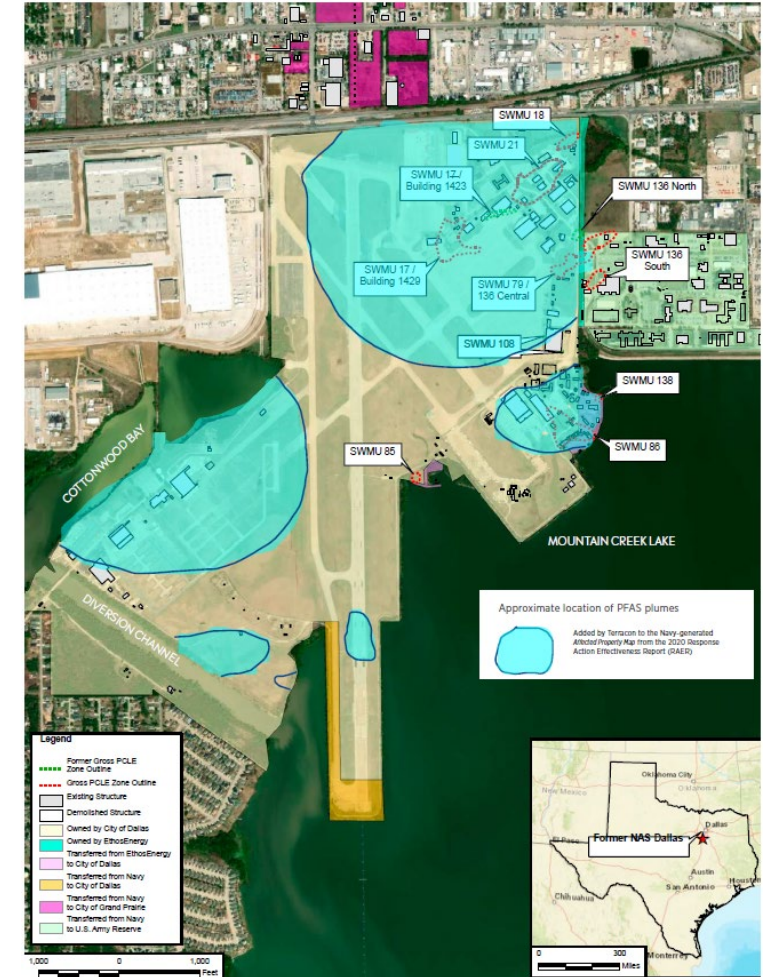


Environmental Remediation (CONT...)



PFAS Contamination

- Draft Final Remedial Investigation report documenting results of the Polyfluoroalkyl substances (PFAS) investigation, extent of PFAS, and **risk assessment was completed by the Navy in June 2022.**
- Feasibility study assessing remedial alternatives is expected to be complete by the end of 2023.
- Current **Navy plans indicate cleanup** of PFAS impacted soils **prior to redevelopment or in phases** with construction and coordinated with TCEQ.
- **Navy has agreed to complete cleanup** to residential standards.



Approximate Location of PFAS Groundwater Plumes



Governance



- Public Private Partnership recommended between the City and a qualified Master Developer
- Select through a competitive RFQ/RFP process
- Master Developer would be responsible for managing development and sale of real estate for vertical development.

Proposed Developer Selection Process



SIMILAR PROJECTS



MUELLER
Austin, Texas



CENTRAL PARK
Denver, Colorado



Mission Bay
San Francisco, California



Governance – Development Costs



Financial Analysis

	Phase I Years 0-5	Phase II Years 6-10	Phase III Years 11-20	Total Master Plan
Costs				
Site Preparation	\$22,694,980	\$8,700,010	\$5,189,690	\$36,584,680
Offsite Infrastructure	880,000	\$20,394,000	3,135,000	24,409,000
Site Bridges	0	1,870,000	4,026,000	5,896,000
Roadways / Utilities	47,389,650	81,768,775	59,386,938	188,545,363
Open Space	17,724,850	28,009,300	9,527,540	55,261,690
Emergency Services	8,250,000	0	0	8,250,000
Hanger / Building Stabilization	2,750,000	0	0	2,750,000
Sustainable Forward	9,785,600	11,875,050	7,518,500	29,179,150
Additional Contingencies and Soft Costs (10%) [1]	12,163,898	16,957,459	9,864,852	38,986,209
Total	\$121,638,978	\$169,574,594	\$98,648,519	\$389,862,092
Revenues				
Residential	\$43,843,000	\$79,679,600	\$136,610,000	\$260,132,600
Non-residential	30,842,250	38,153,550	23,460,900	92,456,700
Total	\$74,685,250	\$117,833,150	\$160,070,900	\$352,589,300
Revenues Minus Costs	-\$46,953,728	-\$51,741,444	\$61,422,381	-\$37,272,792
Net Present Value over 20 Years at 15.0%				-\$78,454,316

[1] Additional and unanticipated costs such as marketing, legal, and unforeseen costs.



Governance – Funding Sources

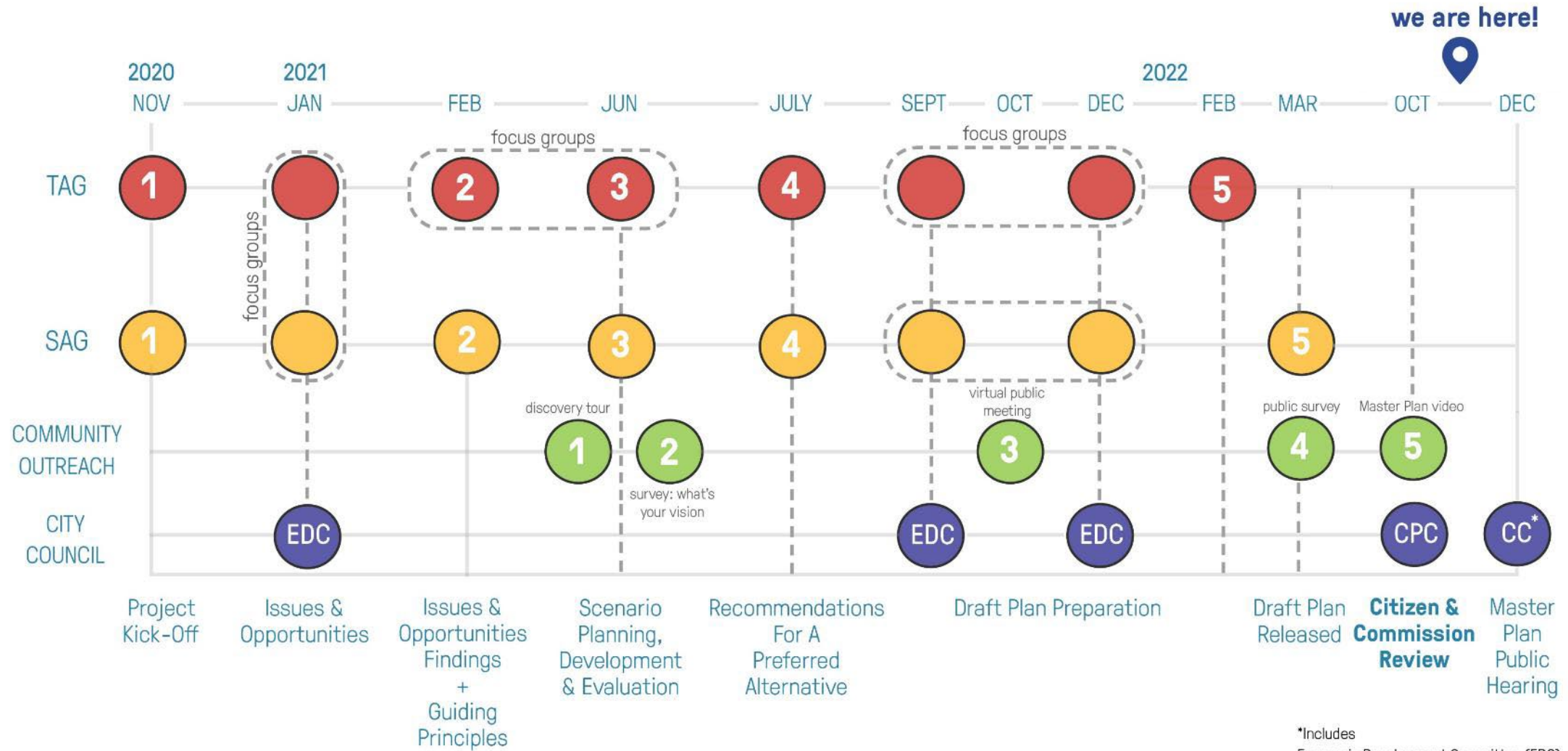


- Utilize TIF through Tax Incentive Reinvestment Zone (TIRZ) to fund infrastructure and public realm amenities:
 - TIF is estimated to generate \$198 to \$243 million over 20 years. Net present value of \$100 to \$123
 - Explore Hensley Field as a sub-district of Cypress Waters TIF District
- Other financing tools: Municipal Management District (MMO) Public Improvement District, Bond Program
- Grants can help fund sustainability components

Description	Inputs			Totals (\$ millions)
	Tax Rate	Contribution	TIF Rate	
Tax Increment Low Scenario				
Dallas County	0.22795	55%	0.12537	\$35.2
City of Dallas	0.77330	75%	0.57998	162.8
Total	1.00125		0.70535	\$198.0
Present Value over 20 Years	5.0%	finance (discount) rate		\$100.3
Tax Increment High Scenario				
Dallas County	0.22795	75%	0.17096	\$48.0
City of Dallas	0.77330	90%	0.69597	195.3
Total	1.00125		0.86693	\$243.3
Present Value over 20 Years	5.0%	finance (discount) rate		\$123.3



Project Status



*Includes
Economic Development Committee (EDC)
Environment and Sustainability Committee



Next Steps



DECEMBER 14

- City Council Voting Agenda

Proposed Timeline 2023-2025

- Initiate developer selection process (RFP)
- Negotiate a Master Developer Agreement with selected developer
- Continue to coordinate clean-up with the Navy
- Prepare re-zoning
- Initiate development



Thank you





City of Dallas

Hensley Field Redevelopment Plan

**Environment and
Sustainability Committee
November 7, 2022**

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Planning and Urban Design

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City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 22-2607

Item #: B.

Landscape Equipment Policy Follow-Up

[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability]



City of Dallas

Landscape Equipment Policy Follow-up

**Environment & Sustainability
Committee
November 7, 2022**

Carlos Evans, Director;
Susan Alvarez, Assistant Director
Office of Environmental Quality &
Sustainability
City of Dallas

Presentation Overview



- Background/History
- EVC Recommendations
- Options for consideration
- Timeline moving forward



Background/History



- **September 2021:** Chair requested policy recommendations from staff concerning gas-powered landscape
- **December 1, 2021:** OEQS briefed the ENVS Committee on Landscape Equipment
- **May 19, 2022:** OEQS/Parks briefed the Park Board on Landscape Equipment
- **June 8, 2022:** Environmental Health Committee recommended phasing out gas-powered landscape equipment
- **August 1, 2022:** OEQS briefed ENVS Committee on landscaping equipment policy
- **September 6, 2022:** EVC provided formal recommendations to ENVS Committee



Environmental Commission Recommendations



- Implement a phased, tiered implementation method:
- Conduct a market **survey** of landscape firms.
 - Fully **implement City-staff transition** to electric equipment.
 - Conduct **community engagement** prior to Council vote.
 - **1st** year implementation: large **landscaping companies**;
 - **2nd** year implementation: **medium-sized landscaping** companies; and
 - **3rd** year implementation: **small businesses** and **residents**.
 - Establish an incentive fund for residents and small businesses
 - Partner with a manufacturer and/or distributor to identify a match for any considered rebate.



Considerations in Implementation:



- Budget for conversion/ incentives
- Market Study to identify scope
- City contract for Landscaping Services
- Physical availability of equipment
- Physical availability of charging equipment
- Equity aspects of continued use and of transition
- Regional action related to Severe Non-attainment for air quality (2027)
- Ability to engage stakeholder firms



Case Study: Washington, DC:



- Leaf Blower Regulation Amendment Act of 2019 bans gas-powered landscape equipment.
- Began evaluation of legislation in 2017.
- Leaf Blower Regulation Amendment Act of 2018, effective February 22, 2019; enforcement began July 1, 2022.
- All new equipment for landscaping must be zero emission.
- City set aside \$290K/ year to transition to zero emission equipment, provide online platform, and enforcement staff.

Case Study: Montgomery County, MD



- Considering bill to ban selling, then using gas-powered landscape equipment including leaf blowers.
- Began evaluation of legislation in 2021.
- Bill 18-22, requires the County to transition to no sales after 6 months following bill passing, and to ban use within a year afterword.
- All new equipment for landscaping must be zero emission by the target date.
- County budgeted \$1.5 million/year for 5 years to help transition to zero emission equipment.

\$50-\$200 Leaf Blower Rebates!

Choose from backpack or handheld models or one of each!



Backpack Model
LBX6000/BHX1001
(\$100 rebate)

EGO™



Handheld Model
EGO LB6504
(\$50 rebate)

Turn in a gas
power leaf blower
per rebate--up to
two per
address/business
in Montgomery
County

APPLY HERE



DEPARTMENT OF
ENVIRONMENTAL
PROTECTION
MONTGOMERY COUNTY • MARYLAND



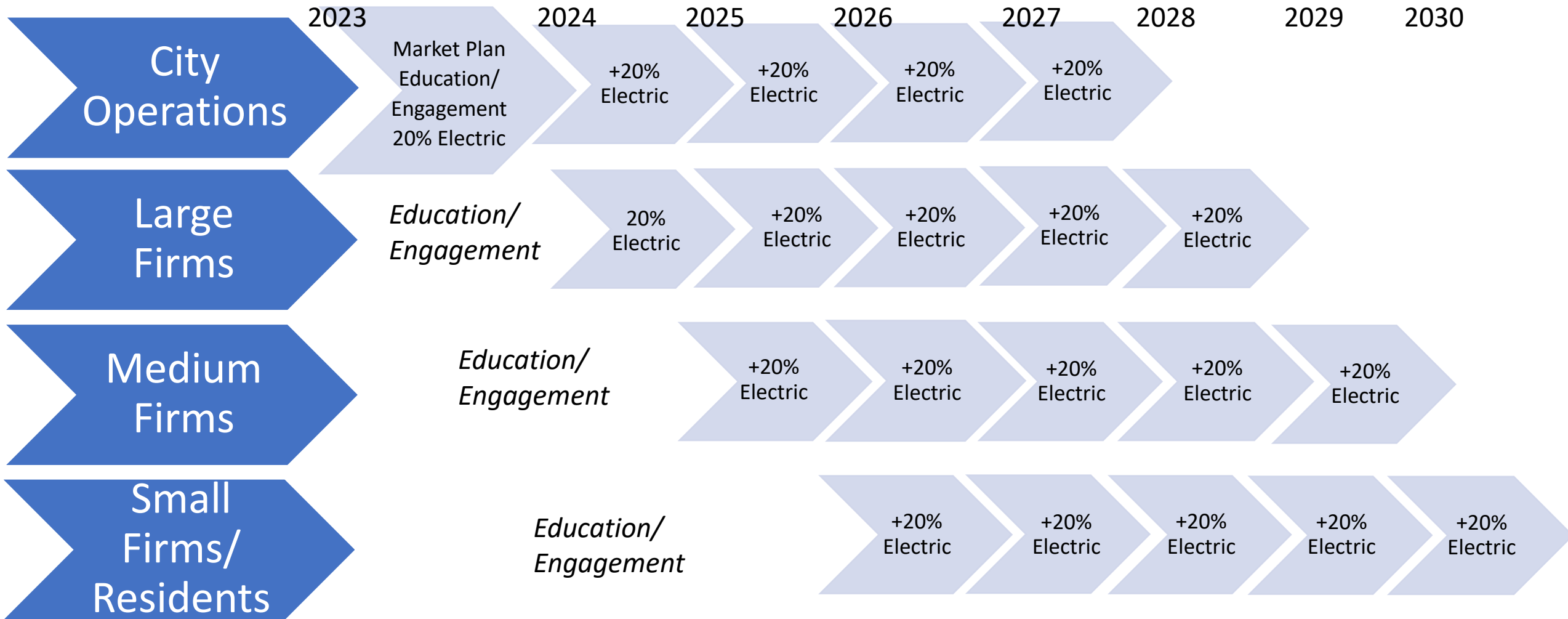
Case Study: State of California



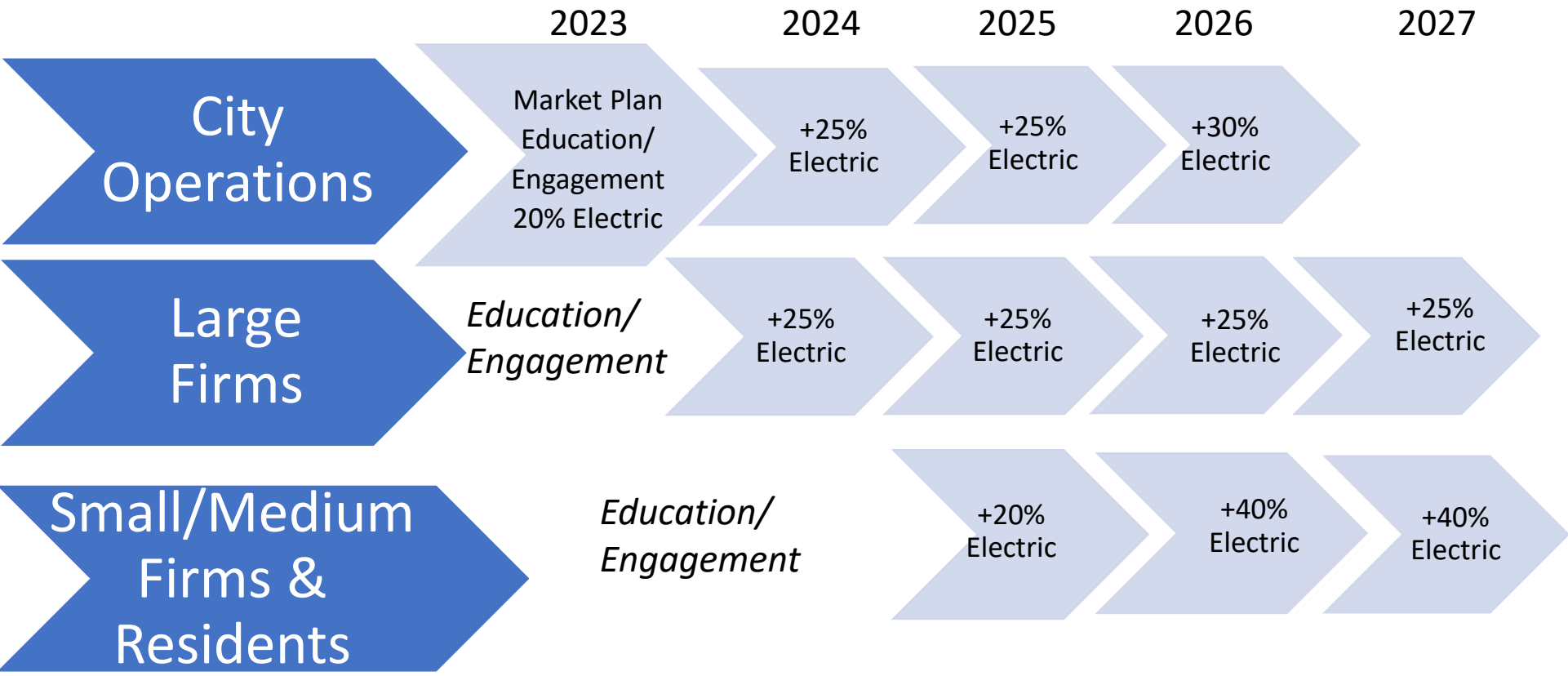
- “Small Off-road Equipment” (SORE) banned including, but not limited to leaf blowers.
- Began evaluation of legislation in 2018.
- AB 1346, required the state to adopt regulations around gas-powered tools by July 1, 2022, and ban sales by 2024.
- All new equipment for landscaping must be zero emission by the target date.
- California set aside \$30 million to help the transition to zero emission equipment.
- Local Air Control Boards charged with implementation.



Implementation Option 1: Transition by 2030



Implementation Option 2: Transition by 2027



Timeline Moving Forward



- Oct.- December, 2022: Identify consultant from environmental services master agreement.
- January - Aug. 2023: Develop the landscaping equipment transition plan.
- Work with appropriate departments to implement initial 20% equipment use.
- March, 2023: Seek initial public input into transition plan.
- Sept. 2023-Nov. 2023: Seek public comment.
- Dec. 2023: Seek formal Council adoption of plan.





City of Dallas

Landscape Equipment Policy Follow-up

**Environment & Sustainability
Committee
November 7, 2022**

Carlos Evans, Director;
Susan Alvarez, Assistant Director
Office of Environmental Quality &
Sustainability
City of Dallas

APPENDICES



Dallas Park & Recreation Pilot Results



Emissions Savings of Green Strike Teams

Based on Operating Equivalent Gas-Powered Equipment

Type	Model	Fuel Type	Units	Use	Annual Use (hrs)	HC Emissions (lb/yr)	NOX Emissions (lb/yr)	CO2 Emissions (T/yr)
Blower (Large)	BR600	4-Cycle Gas	1	3 hrs/day	540	37.91	27.82	9.61
Handheld blower (small)	BG86	4-Cycle Gas	1	3 hrs/day	540	10.67	7.83	2.71
Line trimmer	FS131	4-Cycle Gas	3	6 hrs/day	1080	113.73	83.47	28.84
Chainsaw	MS170	4-Cycle Gas	1	3 times per year for 6 hrs each use	18	0.67	0.49	0.17
Hedge trimmer	HL91K	4-Cycle Gas	1	4 times per year for 6 hrs each use	24	0.53	0.39	0.13
Pole Saw	HT103	4-Cycle Gas	1	3 times per year for 6 hrs each use in Fall	18	0.47	0.34	0.12
Total Annual Emissions						163.98 lbs	120.34 lbs	41.58 tons



Leaf Blower Environmental Justice Concerns



- Most landscapers using gas-powered lawn care equipment are subject to exposures to toxic gas & oil, carcinogenic emissions, noxious exhaust, and unsafe noise levels.
- Most lawn crews are unprotected and work full-time at the source of emissions and noise. Workers have few options and little agency.
- Between 2002 and 2016, the number of professional ground maintenance workers, including supervisors, grew by 85 percent to 1.6 million, according to Quiet Communities.
- A large portion of landscape workers are Hispanic.
- In 2021 the average annual income for landscape workers was \$30,160 and the average hourly wage was \$14.50 an hour.
- Any movement towards reducing or eliminating gas-powered leaf blowers in Dallas will need to address equity considerations related to potential impacts to local landscape crews.



The Good: Types of Leaf Blowers



Type of Equipment	Primary Use		Windspeed	Material Moved (CFM)**	Operating Noise (dB)	Weight Range (lbs)	Cost Range (2021 \$)
	Comm'l	Resid'l					
*Gas-powered Hand-held	X	X	>180 MPH	400-450	73-100	9-12	~\$100 - 200
Backpack	X		~200 MPH	910-940	75-125	23-26	~\$300 - 550
Battery Electric - Handheld	X	X	110-165 MPH	530-580	64	8-9	\$150 - 200
Backpack	X		145 MPH	600	64	13-20	\$400 - 1,200
Data Sources: https://www.protocolreviews.com/gas-vs-battery-powered-leaf-blowers/ https://www.popularmechanics.com/home/tools/g37442980/best-gas-leaf-blowers/							

* Gas-powered data reflects more commonly used 2-stroke motor

**CFM= Cubic Feet /Minute





Sound Level Chart

Perceived Sound Level Sound Level Examples Leaf Blower Reference

	dB	μPa		
PAINFULLY LOUD	160	2×10^9	fireworks at 3 feet	OSHA limit for impulse noise
	150		jet at takeoff	
	140	2×10^8	threshold of pain	
	130		power drill	
UNCOMFORTABLY LOUD	120	2×10^7	thunder	90-105 dB leaf blower at operators ear 90 dB OSHA permissible exposure limit
	110		auto horn at 1 meter	
	100	2×10^6	snowmobile	
	90		diesel truck, food blender	
VERY LOUD	80	2×10^5	garbage disposal	62-75 dB Leaf blower at 50 feet
	70		vacuum cleaner	
MODERATELY LOUD	60	2×10^4	ordinary conversation	
	50		average home	
	40	2×10^3	library	
QUIET	30		quiet conversation	
VERY QUIET	20	2×10^2	soft whisper	
BARELY AUDIBLE	10		rustling leaves	
	0	2×10^1	threshold of hearing	

dB= decibels
 μPa = micro Pascals

OSHA Hearing Protection Threshold

Typical Municipal Noise Ordinance Threshold

Provided by California Air Resources Board, 2000



Memorandum



CITY OF DALLAS

DATE September 6, 2022

TO Honorable Members of the Environment & Sustainability Committee

SUBJECT **Recommendation on a Gas-Powered Landscape Equipment Policy**

As requested, this memorandum outlines the recommendation of the Environmental Commission (Commission) regarding a policy on the use of gas-powered landscape equipment, including leaf blowers and other gas-powered machinery. In June 2022, the Environmental Commission's Environmental Health Committee found that implementing a policy would help to address air quality concerns and mitigate health impacts to both operators of gas-powered landscape equipment and the general public and recommended a phased implementation of any such policy. Commissioners met with manufacturers, landscape professionals, a landscape association and community members on this issue.

Recommendation

On August 10, 2022, the Commission voted unanimously in favor of the following recommendation:

- That the tiered implementation method recommended by the Environmental Health Committee include an annual compliance timeline by landscape company size as follows:
 - One year for large landscaping companies
 - Two years for medium-sized landscaping companies; and
 - Three years for small businesses and residents.
- That the tiered implementation (compliance) timeline only be implemented after the City itself fully converts its own gas-powered landscape equipment to battery-powered equipment;
- That the City establish an incentive fund for residents and small businesses and that it partner with a manufacturer and/or distributor to identify a match for any considered rebate; and
- Finally, that upon approval of a policy recommendation by the Environment & Sustainability Council Committee, the city conduct a minimum of 10 weeks of community engagement in English and Spanish, with an emphasis on Spanish outreach, before the item goes before the full city council for a vote.

Additional Considerations

The Commission also discussed conducting a survey of landscape professionals operating in Dallas to determine the average number of employees, revenue and equipment quantity and types needed by the various company sizes. This information would assist in determining how to create the tiered business-size categories for

DATE
SUBJECT

September 6, 2022

Recommendation on a Gas-Powered Landscape Equipment Policy

implementation, the potential financial impact to each company by size and the estimated cost to the City of establishing an incentive fund.

The Commission's recommendation for community engagement prior to policy adoption is separate from and in addition to the ongoing outreach and education after policy adoption that will be necessary throughout the phased implementation to achieve compliance. Engagement prior to policy adoption should be tailored to formats most likely to reach landscaping professionals who are unlikely to be engaged by the city's standard outreach methods.

Procurement for citywide landscape services is currently underway. A Request for Competitive Sealed Proposal recently closed, and two contracts totaling \$32.3M are scheduled for council consideration in the coming months. The solicitation includes options for use of battery-powered equipment at just 15 of 539 sites. Following a policy adoption, the City should consider whether future procurement for citywide landscape services be exclusively for the use of battery-powered equipment.

Given the shortage of lithium batteries across all industries, including battery-powered landscape equipment, the City may consider prioritizing the replacement of its own gas-powered equipment by most impactful in terms of emissions reductions.

Please contact me if you have any questions about the recommendations or need further information at kathryn.bazan@dallas.gov.



Kathryn Bazan
Chairwoman
City of Dallas Environmental Commission

c: Carlos Evans, Director of OEQS
Susan Alvarez, Assistant Director of OEQS
Erin Diehl, Board Coordinator
Cal Estee, City Attorney's Office
Chris Caso, City Attorney
Mark Swann, City Auditor
Billerae Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizzor Tolbert, Deputy City Manager

Jon Fortune, Deputy City Manager
Majed A. Al-Ghafry, Assistant City Manager
M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager
Dr. Robert Perez, Assistant City Manager
Carl Simpson, Assistant City Manager
Jack Ireland, Chief Financial Officer
Genesis D. Gavino, Chief of Staff to the City Manager
Directors and Assistant Directors



City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 22-2608

Item #: C.

Comprehensive Environmental & Climate Action Plan (CECAP) Annual Report (FY22 Results & FY23 Implementation Work Plan)

[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability; Pharr Andrews, Senior Climate Coordinator, Office of Environmental Quality & Sustainability]



City of Dallas

CECAP Annual Report (FY22 Results & FY23 Implementation Work Plan)

**Environment &
Sustainability Committee**

November 7, 2022

Carlos Evans, Director
Susan Alvarez, Assistant Director
Pharr Andrews, Senior Climate Coordinator
Office of Environmental
Quality & Sustainability



- **FY 21-22 Work Plan Accomplishments**
- **CECAP FY22-23 Implementation Work Plan**

Part I: Introduction

Part II: Adaptive Management

Part III: Year Three Focus Areas

Part IV: FY23 Actions and Milestones









Part V: Tracking and Accountability

Part VI: Stakeholder Engagement

Part VII: Budget

FY 21-22 Work Plan Accomplishments



							
<h2>COMPREHENSIVE ENVIRONMENTAL & CLIMATE ACTION PLAN (CECAP)</h2> <p>94% of Year 2 Work Plan Complete!</p> <p>In FY21-22, the City of Dallas completed 248 milestones toward the advancement of climate initiatives in 8 different sectors.</p>							
BUILDINGS	ENERGY	TRANSPORTATION	ZERO-WASTE	WATER RESOURCES	ECOSYSTEMS	FOOD ACCESS	AIR QUALITY



Part I: FY 22-23 Implementation Work Plan



- 30-year plan with 8 focus areas and 97 Actions
- 67 Actions will be activated in FY22-23
- 202 Total milestone activities
- 17 City Departments contributing

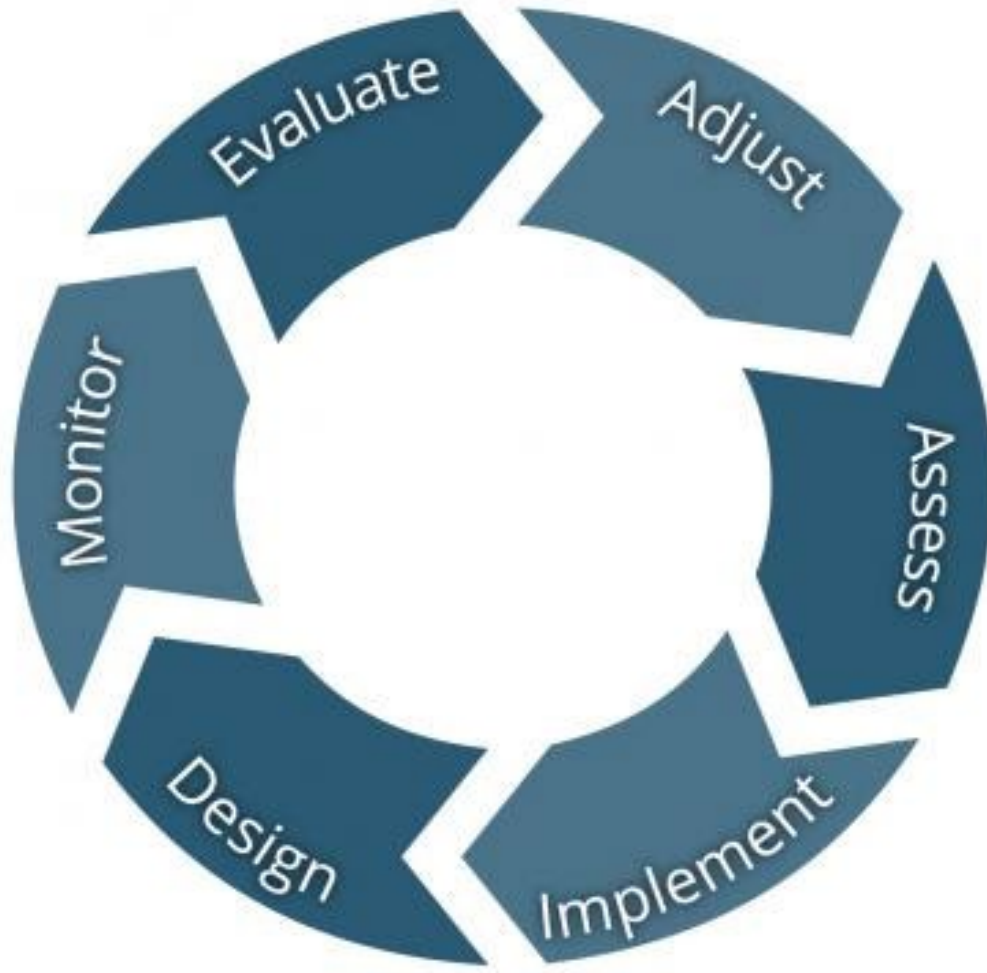
CECAP IMPLEMENTATION WORKPLAN FISCAL YEAR 2022-2023



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



Part II: Adaptive Management



- Adaptive management practices allow an assessment of where the City currently stands, guide future planning, and identify any necessary CECAP plan updates.
- OEQS climate staff updated the greenhouse gas (GHG) inventory using data from 2019.
- Dallas has achieved an 11% reduction from the year 2015 data referenced in the CECAP.
- Despite a population growth of roughly 5% during this time, the community-wide emissions also decreased

Part III: Year Three Focus Areas



We seek intentional connection in our communities.

ENGAGEMENT



Engagement Is About Involving the People Affected!



EMPATHY • ETHICS • EXCELLENCE • ENGAGEMENT • EQUITY

- Year 3 of CECAP implementation will focus on equitably engaging communities and addressing the impacts pollution and climate have on our communities
- Prioritizing equity respects the rights of all members of the community to be informed, consulted, involved and empowered, and protected.



Part IV: FY23 Actions and Activities



City of Dallas

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 in 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
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.		
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

Make The Case

Sector Totals

Milestone by Dept.

Focus Icon





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



Why it Matters?

- The combined building and energy sectors account for the highest percentage of GHG emissions in Dallas (64%).
- Of these, 33% is from commercial buildings including offices, restaurants and retailers; 20% from homes, and 8% from the industrial sector.

Total Number of Milestones

- 27 of 202

Total CECAP Actions Activated

- 10 of 16 (63%)

Contributing Departments

- OEQS
- DEV
- AVI
- ECO
- PUD



FY 22-23 Highlights: Buildings



Engagement Milestones

- Host Annual North Texas Climate Symposium
- Partner with RISE to facilitate regional conversation about weatherization efforts

Environmental Justice Milestones

- Provide resources to help homeowners reduce energy use and utility bills

Municipal Milestones

- Incorporate pilot energy storage technology in appropriate City facilities
- Update Green Building Policy to incorporate Net Zero Carbon goals





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** (17% is generated from coal and 43% from natural gas).
- Although Texas is the largest producer of wind in the country, **renewable energy** (solar, wind and other renewables) only **provides 31% of the grid electricity mix***.

*<https://www.ercot.com/gridinfo/generation>

Total Number of Milestones

- 16 of 202

Total CECAP Actions Activated

- 8 of 11 (73%)

Contributing Departments

- OEQS
- BSD
- HOU
- BCM





FY 22-23 Highlights: Energy



Engagement Milestones

- Continue implementation of Green Warrior Project
- Work with private sector partners to establish renewable energy hubs

Environmental Justice Milestones

- Complete Community Solar Siting Study

Municipal Milestones

- Continuously include renewable energy in design of new City facilities where feasible





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



Why it Matters?

- The **transportation sector**, which includes private and public vehicles, trains, and planes contributes **38% of GHG emissions** for the City of Dallas.
- The **majority (76.8%) of Dallas residents drive to work alone.**
- **Critical roadway segments are located in FEMA 100-year floodplain.**

Total Number of Milestones

- 28 of 202

Total CECAP Actions Activated

- 12 of 19 (63%)

Contributing Departments

- OEQS
- PUB
- TRN
- EFM
- BCM
- DWU
- PBW





FY22-23 Highlights: Transportation



Engagement Milestones

- Work with regional partners to reduce single occupancy vehicle trips
- Participate in North Texas Regional Transportation Electrification Compact Alliance towards regional EV Infrastructure

Environmental Justice Milestones

- Work with partners to increase electric vehicle charging infrastructure in equity priority areas

Municipal Milestones

- Implement Fleet electrification feasibility study





Goal 4: Dallas is a Zero Waste community.



Why it Matters?

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

Total Number of Milestones

- 19 of 202

Total CECAP Actions Activated

- 5 of 9 (56%)

Contributing Departments

- OEQS
- CCS
- SAN
- PKR





FY 22-23 Highlights: Zero Waste



Engagement Milestones

- Expand current education efforts to inform residents and business owners of options to reduce, reuse and recycle
- Facilitate zero waste education classes for homeowners

Environmental Justice Milestones

- Continue to implement Strategic Illegal Dumping Plan

Municipal Milestones

- Expand landfill methane recovery program





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



Why it Matters?

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

Total Number of Milestones

- 46 of 202

Total CECAP Actions Activated

- 13 of 15 (87%)

Contributing Departments

- OEQS
- DWU



Engagement Milestones

- Work with regional partners to host North Texas Water Conservation Symposium
- Continue the “Save Water. Nothing Can Replace It” local public awareness campaign

Environmental Justice Milestones

- Use rating system to educate flood-prone communities

Municipal Milestones

- Evaluate potential ways to go off-grid for wastewater treatment to minimize reliance on electrical grid



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



Why it Matters?

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

Total Number of Milestones

- 39 of 202

Total CECAP Actions Activated

- 7 of 9 (78%)

Contributing Departments

- OEQS
- PKR
- DWU
- PBW
- DEV
- PUD





Engagement Milestones

- Increase the tree canopy through tree planting events
- Increase community outreach on tree knowledge and forest education

Environmental Justice Milestones

- Support Urban Forest Master Plan implementation

Municipal Milestones

- Continue to update the Park Maintenance Operation Standard with new ecofriendly practices
- Initiate action on electric landscape equipment



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



Why it Matters?

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

Total Number of Milestones

- 14 of 202

Total CECAP Actions Activated

- 8 of 14 (57%)

Contributing Departments

- OEQS
- ECO
- CES
- POM





FY 22-23 Highlights: Food/Urban Agriculture



Engagement Milestones

- Convene Urban Agriculture Summit
- Implement comprehensive Urban Agriculture outreach and engagement program

Environmental Justice Milestones

- Support existing program related to locating food resources near transportation hubs.

Municipal Milestones

- Develop local food procurement pilot for City events





Goal 8: All Dallas' communities breathe clean air.



Why it Matters?

- While air quality in North Texas is generally improving, in North Texas, ten counties including **Dallas consistently do not meet the 2008 Federal air quality criteria for ground-level ozone.**
- In 2018, Dallas- Fort Worth was ranked 16th in the American Lung Association's *25 Most Ozone-Polluted Cities*.

Total Number of Milestones

- 13 of 202

Total CECAP Actions Activated

- 4 of 4 (100%)

Contributing Departments

- OEQS
- PUD





FY 22-23 Highlights: Air Quality



Engagement Milestones

- Convene regional air quality monitoring summit with local entities implementing air quality monitoring programs
- Tailor communication to suit need of different communities

Environmental Justice Milestones

- Install neighborhood air monitors in Racial Equity Opportunity Zones

Municipal Milestones

- Continue to promote the commute reduction program to City staff



Air Quality monitor installation at Exline Recreation Center



Part V: Tracking and Accountability



- **Performance Measures (Annual)**
 - 60% actions underway
 - 92% milestones complete
- Performance updates available at Dallas 365 progress tracker
- Detailed milestone Dashboard tracking will continue at: **DallasClimateAction.com**



Part VI: Stakeholder Engagement



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



Part VII: Budget



- The FY 22-23 Budget includes a total of over \$100 million in funding tied to specific CECAP actions
 - Over 2 million dollars in funding enhancements for direct CECAP implementation, by OEQS
 - Over 18 million in funding enhancements administered by other contributing departments
- OEQS Team will grow from 100 to 106 authorized persons to support CECAP activities
- All milestones are subject to related annual budget appropriations





Questions?



CECAP Annual Report (FY22 Results & FY23 Implementation Work Plan)

**Environment &
Sustainability Committee**

November 7, 2022

Carlos Evans, Director

Susan Alvarez, Assistant Director

Pharr Andrews, Senior Climate Coordinator

**Office of Environmental
Quality & Sustainability**



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).



M. Elizabeth (Liz) Cedillo-Pereira, J.D.
Assistant City Manager, City of Dallas

cc: T.C. Broadnax, City Manager
Chris Caso, City Attorney
Mark Swann, City Auditor
Billieae Johnson, City Secretary
Preston Robinson, Administrative Judge
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Robert Perez, Assistant City Manager
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Jack W. Ireland, Jr, Chief Financial Officer
Kimberly Tolbert, Deputy City Manager
Directors and Assistant Directors

**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
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.		
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
B2: Achieve Level 3+ airport carbon accreditation at Love Field for carbon neutral operations, maintain accreditation for DFW, and pursue for Dallas Executive Airport.		
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
B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.		
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
B4: Implement a citywide building weatherization program through partnership with community organizations.		
Complete	OEQS	Develop resources to connect residents to existing weatherization programs
B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.		
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

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.		
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
B7: Increase participation and scope of the Dallas Green Business Certification Program.		
Complete	OEQS	Increase awareness and participation in the Green Business Certification program
Complete	OEQS	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.		
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
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.		
Complete	PUD	Consider greening factor requirements as part of parking ordinance reform
B15: Evaluate potential city-owned properties for the creation of resilience hubs.		
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
E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.		
Complete	BSD	Assess demand response programs for grid reliability in coordination with OEQS 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.		
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
E3: Continue partnership with public utility companies on an intensive program on renewable energy options.		
Complete	OEQS	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.		
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
E5: Build a regional strategic partnership to promote adoption of renewable energy.		
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
E6: Establish and invest in renewable energy hubs through partnerships with the private sector.		
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

E7: Extend city efforts to develop more renewable energy projects on city facilities		
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
E8: Continue to implement Green Energy Policy for City facilities.		
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
E10: Advocate for renewable energy policies at the state and federal levels.		
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
T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.		
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
T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.		
Complete	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.		
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

T7: Secure resources to implement the existing bicycle network masterplan.		
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
T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.		
Complete	PUD	Determine equity areas that need improved access to micromobility
T9: Increase bus service across the city by adding new routes, shortening headways, and overall increasing service reliability and customer experience.		
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
T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.		
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
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.		
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
T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.		
Complete	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.		
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
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.		
Complete	DWU	Continue City Leadership and Commitment Grant Program
T16: Convert all traffic lights and streetlights to LEDs.		
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)
T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including, but not limited to local and regional delivery trucks and other heavier vehicles.		
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
SW1: Actively promote source reduction, recycling, and composting to the Dallas community.		
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
SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.		
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
SW3: Improve solid waste, recycling, and brush/bulky waste collection efficiency.		
Complete	SAN	Pilot Bulk and Brush separation program to assess and evaluate levels of service
Complete	SAN	Evaluate collection routes for efficiency
SW4: Explore potential for electric waste collection trucks.		
Complete	SAN	Continue to monitor technological advancements and viability
SW5: Update and implement the Zero Waste Management Plan.		
Complete	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."		
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
SW8: Continue to capture gas and expand capacity from landfill for reuse and evaluate for city operations.		
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
WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.		
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
WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.		
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)
WR4: Encourage businesses and residents to plant drought-tolerant and native vegetation or xeriscape to reduce irrigation water use.		
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
WR5: Continue to monitor and protect water quality and implement improvement projects in the watershed.		
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
WR6: Continue to protect and monitor water quality by tracking emerging contaminants that may impact public health.		
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
WR7: Use FEMA community rating system to educate and protect communities from flooding.		
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
WR8: Complete the implementation of major planned and ongoing drainage infrastructure projects to improve community resilience to flooding.		
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

WR9: Initiate a comprehensive storm drainage system assessment and planning process.		
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
WR10: Evaluate policies affecting drainage and erosion to ensure sustainable development and mitigate adverse impacts.		
Complete	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.		
Complete	DWU	Continue to monitor and evaluate effectiveness of the Drought Contingency Plan
Complete	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		
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)
WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.		
Complete	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.		
Complete	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.		
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
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.		
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
EG2: Assess opportunities for blue-green infrastructure in the public realm to reduce flood risk.		
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
EG3: Increase tree canopy in both private and public realm to complete implementation of recommendations from the Urban Forest Master Plan.		
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

EG4: Continue ongoing programs to collaborate with community organizations to promote tree planting efforts, protection of trees and prairies, and drought tolerant landscapes.		
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
EG5: Update city park operations and maintenance procedures to include comprehensive ecofriendly and sustainable best management practices.		
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
EG8: Improve the quality of urban ecosystems in Dallas through the sustainable appropriate design, creation, and planting of urban habitats.		
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
FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.		
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
FA2: Create a Food Advisory Council.		
Complete	OEQS	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.		
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
FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.		
Complete	ECO	Continue to support Health Food Dallas Initiative
FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.		
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

FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.		
Complete	ECO	Research best practices for mobile grocery stores
Complete	ECO	Evaluate feasibility of incorporating mobile grocery stores into the Healthy Food Dallas Initiative
FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.		
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
FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.		
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
FA14: Adopt a special events ordinance that encourages procurement of locally sourced food, recycling of waste generated, and compost bins at special events.		
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
AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.		
Complete	OEQS	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.		
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
AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.		
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
AQ4: Ensure new industries are an appropriate distance away from neighborhoods.		
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 CO₂e, which represents a -11% change from 2015. Despite a population growth of roughly 5% during this time, the community-wide emissions also decreased on a per capita basis to 14.2 MT CO₂e per capita in 2019 (-10% from 2015). With these results from the current 2019 inventory of GHG emissions, Dallas has already achieved an 11% reduction compared to the 2015 year referenced in the CECAP. 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
B1: Demonstrate leadership in developing a carbon neutrality plan for municipal operations.			
	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
B2: Achieve Level 3+ Airport Carbon Accreditation at Love Field for carbon neutral operations and maintain accreditation for DFW, and pursue for Dallas Executive Airport.			
	B2	AVI	Achieve and maintain Level 3+ Airport Carbon Accreditation at Love Field for carbon neutral operations
B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.			
	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
B4: Implement a citywide building weatherization program through partnership with community organizations.			
	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

B5: Identify new financing mechanisms to accelerate energy efficiency improvements in existing buildings.		
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
B7: Increase participation and scope of the Dallas Green Business Certification Program.		
B7	OEQS	Increase awareness and participation in the Green Business Certification program
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 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
B12: Evaluate and consider a Zero Net Energy (ZNE) code for all new buildings and substantial renovations by 2030.		
B12	OEQS	Develop working group with key building industry stakeholders to begin exploring NZE options for consideration
B13: Establish urban greening factor requirements for new developments that quantify how projects contribute to urban greening for reduced stormwater runoff and urban heat island improvements.		
B13	PUD	Continue work with ZOAC and CPC to adopt greening factors as part of parking reform
B15: Evaluate potential city-owned properties for the creation of 'resilience hubs'.		
B15	OEQS	Evaluate funding opportunities for creation of resilience hubs



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
E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.		
E2	BSD	Incorporate pilot energy storage technology in next appropriate City facility
E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.		
E4	OEQS	Continue implementation of Green Warrior Project
E5: Build a regional strategic partnership to promote adoption of renewable energy.		
E5	OEQS/ HOU	Continue rooftop solar revolving program as appropriations allow
E6: Establish and invest in renewable energy hubs through partnerships with the private sector.		
E6	OEQS	Evaluate funding opportunities relating to the development of renewable energy hubs
E6	OEQS	Identify potential partners in the private sector
E7: Extend City efforts to develop more renewable energy projects on City facilities.		
E7	BCM	Continuously include renewable energy of new and existing facilities whenever feasible in the scopes of work
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
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



Table 2: FY23 Actions and Milestones Continued City of Dallas

E9: Extend partnership with organizations like PACE and other Public Utility Companies to provide further incentives for renewable energy.		
E9	OEQS	Explore feasibility of implementing City program to incentivize solar installation for commercial and residential buildings
E10: Advocate for renewable energy policies at the state and federal levels.		
E10	OEQS	Support OGP Legislative advocacy of renewable energy policy in state and federal legislation
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
T1: Work with City of Dallas, DISD, and DART to transition the bus and light duty fleet to 100% electric by 2040.		
T1	BCM	Participate in partnerships with internal and external entities to establish light duty fleet in conjunction with city facilities locations
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
T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.		
T4	OEQS	Work with the internal City EV Working Group to develop a strategy to deploy electric vehicle infrastructure on municipal property
T4	OEQS	Work with partners to increase electric vehicle charging infrastructure in equity priority areas
T5: Support and expand recommended Travel Demand Management strategies identified within the Strategic Mobility Plan.		
T5	PUD	Align Forward Dallas with Travel Demand Management strategies from the Strategic Mobility Plan
T7: Secure resources to implement the existing bicycle network masterplan.		
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

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
T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.		
T10	OEQS	Support regional air quality improvement efforts to reduce single occupancy vehicle trips
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.
T11: Develop a new comprehensive land use strategy in the upcoming comprehensive plan update to pair with the SMP and CECAP goals, adopt policy to reduce transportation related GHG emissions.		
T11	PUD	As part of Forward Dallas, review Thoroughfare Plan for consistency with other planning efforts
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.
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	TRN	Establish On-Street Parking/Curb Management Policy
T14	PUD	Consider amending the parking code
T14	OEQS	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 to support green infrastructure
T16: Convert all traffic lights and streetlights to LEDs.		
T16	TRN	Convert lights to LED as funding is made available; All new lighting projects require LED whether City-owned, Oncor-owned or TxDOT-owned (also with Office of Integrated Police Solutions)
T16	TRN	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 heavier vehicles		
T19	OEQS	Participate in North Texas Regional Transportation Electrification Compact Alliance working to address fleet conversion across North Texas



GOAL 4: DALLAS IS A ZERO-WASTE COMMUNITY.

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

Total actions underway: 5

Total milestones: 19

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

Action	Dept	Milestone
SW1: Actively promote source reduction, recycling, and composting to the Dallas community.		
SW1	OEQS	Expand current education efforts to inform residents and business owners of their options to refuse, reduce, reuse, and recycle
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
SW2: Develop a comprehensive green procurement plan for city operations and establish a sustainable procurement policy.		
SW2	POM	As part of the workplan, develop a total cost of ownership (TOC) model for use in analyzing the cost of a good or service
SW4: Explore potential for electric waste collection trucks.		
SW4	SAN	Continue to monitor technological advancements and viability
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



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
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.

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
WR1: Continue investment in public awareness campaigns to increase knowledge of the value of water and importance of conservation.		
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
WR2: Continue investment in leak detection and expand programs to reduce overall water loss through the conveyance systems.		
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

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	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
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	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
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
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	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
FA1: Increase access to information on sustainable agriculture, best practices, and the benefits of healthy and local foods.		
FA1	OEQS	Participate in the North Texas Food Policy Alliance
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
FA2: Create a Food Advisory Council.		
FA2	OEQS	Meet with the FAC on a regular basis to advise on the adoption and implementation of the 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.		
FA4	ECO	Continue to support Healthy Food Dallas Initiative
FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.		
FA6	ECO	Support existing programs related to transportation and food access
FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.		
FA7	ECO	Evaluate feasibility of incorporating mobile grocery stores into the Healthy Food Dallas Initiative
FA9: Establish a local food procurement plan to encourage local food purchasing at city-sponsored events.		
FA9	POM	Initiate development of and pilot local food procurement procedures to support policy development
FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.		
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
AQ1: Work with the Texas Commission on Environmental Quality to install additional air quality monitoring stations across the city.		
 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
AQ2: Partner with nonprofits and schools to develop and implement non-regulatory monitors in neighborhoods.		
 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
AQ3: Continue to support and expand on the Air North Texas campaign to raise public awareness and improve air quality.		
AQ3	OEQS	Continue to support Air North Texas Campaign and expand where feasible
AQ3	OEQS	Work with partners to reduce illegal commercial truck parking and idling in historically disadvantaged communities
AQ4: Ensure new industries are an appropriate distance away from neighborhoods.		
 AQ4	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 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



City of Dallas

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Agenda Information Sheet

File #: 22-2609

Item #: D.

Environmental Commission Update
[Kathryn Bazan, Chair, Environmental Commission]