

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, NOVEMBER 7, 2022

22-0016

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

PRESENT: [6] Blackmon, Ridley, *West, *Arnold (**9:20 a.m.), *Resendez, *Bazaldua (**9:05)

ABSENT: [1] Schultz

The meeting was called to order at 9:03 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 10:51 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
MONDAY, NOVEMBER 7, 2022

EXHIBIT A

RECEIVED

2022 NOV -3 PM 4:05

**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

Note: A quorum of the Dallas City Council may attend this Council Committee meeting.

General Information

The Dallas City Council regularly meets on Wednesdays beginning at 9:00 a.m. in the Council Chambers, 6th floor, City Hall, 1500 Marilla. Council agenda meetings are broadcast live on WRR-FM radio (101.1 FM) and on Time Warner City Cable Channel 16. Briefing meetings are held the first and third Wednesdays of each month. Council agenda (voting) meetings are held on the second and fourth Wednesdays. Anyone wishing to speak at a meeting should sign up with the City Secretary's Office by calling (214) 670-3738 by 5:00 p.m. of the last regular business day preceding the meeting. Citizens can find out the name of their representative and their voting district by calling the City Secretary's Office.

Sign interpreters are available upon request with a 48-hour advance notice by calling (214) 670-5208 V/TDD. The City of Dallas is committed to compliance with the Americans with Disabilities Act. **The Council agenda is available in alternative formats upon request.**

If you have any questions about this agenda or comments or complaints about city services, call 311.

Rules of Courtesy

City Council meetings bring together citizens of many varied interests and ideas. To insure fairness and orderly meetings, the Council has adopted rules of courtesy which apply to all members of the Council, administrative staff, news media, citizens and visitors. These procedures provide:

- That no one shall delay or interrupt the proceedings, or refuse to obey the orders of the presiding officer.
- All persons should refrain from private conversation, eating, drinking and smoking while in the Council Chamber.
- Posters or placards must remain outside the Council Chamber.
- No cellular phones or audible beepers allowed in Council Chamber while City Council is in session.

"Citizens and other visitors attending City Council meetings shall observe the same rules of propriety, decorum and good conduct applicable to members of the City Council. Any person making personal, impertinent, profane or slanderous remarks or who becomes boisterous while addressing the City Council or while

Información General

El Ayuntamiento de la Ciudad de Dallas se reúne regularmente los miércoles en la Cámara del Ayuntamiento en el sexto piso de la Alcaldía, 1500 Marilla, a las 9 de la mañana. Las reuniones informativas se llevan a cabo el primer y tercer miércoles del mes. Estas audiencias se transmiten en vivo por la estación de radio WRR-FM 101.1 y por cablevisión en la estación *Time Warner City Cable* Canal 16. El Ayuntamiento Municipal se reúne en el segundo y cuarto miércoles del mes para tratar asuntos presentados de manera oficial en la agenda para su aprobación. Toda persona que desee hablar durante la asamblea del Ayuntamiento, debe inscribirse llamando a la Secretaría Municipal al teléfono (214) 670-3738, antes de las 5:00 pm del último día hábil anterior a la reunión. Para enterarse del nombre de su representante en el Ayuntamiento Municipal y el distrito donde usted puede votar, favor de llamar a la Secretaría Municipal.

Intérpretes para personas con impedimentos auditivos están disponibles si lo solicita con 48 horas de anticipación llamando al (214) 670-5208 (aparato auditivo V/TDD). La Ciudad de Dallas se esfuerza por cumplir con el decreto que protege a las personas con impedimentos, *Americans with Disabilities Act*. **La agenda del Ayuntamiento está disponible en formatos alternos si lo solicita.**

Si tiene preguntas sobre esta agenda, o si desea hacer comentarios o presentar quejas con respecto a servicios de la Ciudad, llame al 311.

Reglas de Cortesía

Las asambleas del Ayuntamiento Municipal reúnen a ciudadanos de diversos intereses e ideologías. Para asegurar la imparcialidad y el orden durante las asambleas, el Ayuntamiento ha adoptado ciertas reglas de cortesía que aplican a todos los miembros del Ayuntamiento, al personal administrativo, personal de los medios de comunicación, a los ciudadanos, y a visitantes. Estos reglamentos establecen lo siguiente:

- Ninguna persona retrasará o interrumpirá los procedimientos, o se negará a obedecer las órdenes del oficial que preside la asamblea.
- Todas las personas deben abstenerse de entablar conversaciones, comer, beber y fumar dentro de la cámara del Ayuntamiento.
- Anuncios y pancartas deben permanecer fuera de la cámara del Ayuntamiento.
- No se permite usar teléfonos celulares o enlaces electrónicos (*paggers*) audibles en la cámara del Ayuntamiento durante audiencias del Ayuntamiento Municipal

"Los ciudadanos y visitantes presentes durante las

attending the City Council meeting shall be removed from the room if the sergeant-at-arms is so directed by the presiding officer, and the person shall be barred from further audience before the City Council during that session of the City Council. If the presiding officer fails to act, any member of the City Council may move to require enforcement of the rules, and the affirmative vote of a majority of the City Council shall require the presiding officer to act." Section 3.3(c) of the City Council Rules of Procedure.

asambleas del Ayuntamiento Municipal deben de obedecer las mismas reglas de comportamiento, decoro y buena conducta que se aplican a los miembros del Ayuntamiento Municipal. Cualquier persona que haga comentarios impertinentes, utilice vocabulario obsceno o difamatorio, o que al dirigirse al Ayuntamiento lo haga en forma escandalosa, o si causa disturbio durante la asamblea del Ayuntamiento Municipal, será expulsada de la cámara si el oficial que este presidiendo la asamblea así lo ordena. Además, se le prohibirá continuar participando en la audiencia ante el Ayuntamiento Municipal. Si el oficial que preside la asamblea no toma acción, cualquier otro miembro del Ayuntamiento Municipal puede tomar medidas para hacer cumplir las reglas establecidas, y el voto afirmativo de la mayoría del Ayuntamiento Municipal precisara al oficial que este presidiendo la sesión a tomar acción." Según la sección 3.3 (c) de las reglas de procedimientos del Ayuntamiento.

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."

"De acuerdo con la sección 30.06 del código penal (ingreso sin autorización de un titular de una licencia con una pistola oculta), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola oculta."

"Pursuant to Section 30.07, Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly."

"De acuerdo con la sección 30.07 del código penal (ingreso sin autorización de un titular de una licencia con una pistola a la vista), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola a la vista."

"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."

The City Council Environmental and Sustainability meeting will be held by videoconference and in the Council Chambers, 6th Floor at City Hall.

The public is encouraged to attend the meeting virtually; however, City Hall is available for those wishing to attend the meeting in person following all current pandemic-related public health protocols.

The following videoconference link is available to the public to listen to the meeting and Public Affairs and Outreach will also stream the City Council Briefing on Spectrum Cable Channel 95 and bit.ly/cityofdallastv.

<https://dallascityhall.webex.com/dallascityhall/j.php?MTID=m75406f9329e061ecb493db2d1fcca867>

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]
3. deliberating a negotiated contract for a prospective gift or donation to the city 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 §551.073]
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]

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, NOVEMBER 7, 2022

EXHIBIT B

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

NOVEMBER 7, 2022

Item 1: Approval of the September 6, 2022 Committee Minutes

Councilmember Ridley moved to adopt the minutes as presented.

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

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

NOVEMBER 7, 2022

BRIEFING ITEMS

Item A: Hensley Field Redevelopment Plan

The following individuals briefed the committee on the item:

- Julia Ryan, Director, Planning & Urban Design;
- Arturo Del Castillo, Chief Planner, Planning & Urban Design;
- Jim Adams, President, McCann Adams Studio;
- Gail Vittori, Co-Director, Center for Maximum Potential Building Systems; and
- Carrie Rogers, Director, Legislative Affairs

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

NOVEMBER 7, 2022

BRIEFINGS ITEMS

Item B: Landscape Equipment Policy Follow-Up

The following individuals briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability; and
- Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

NOVEMBER 7, 2022

BRIEFING ITEMS

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

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

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

NOVEMBER 7, 2022

BRIEFING ITEMS

Item D: 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

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, NOVEMBER 7, 2022

EXHIBIT C



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



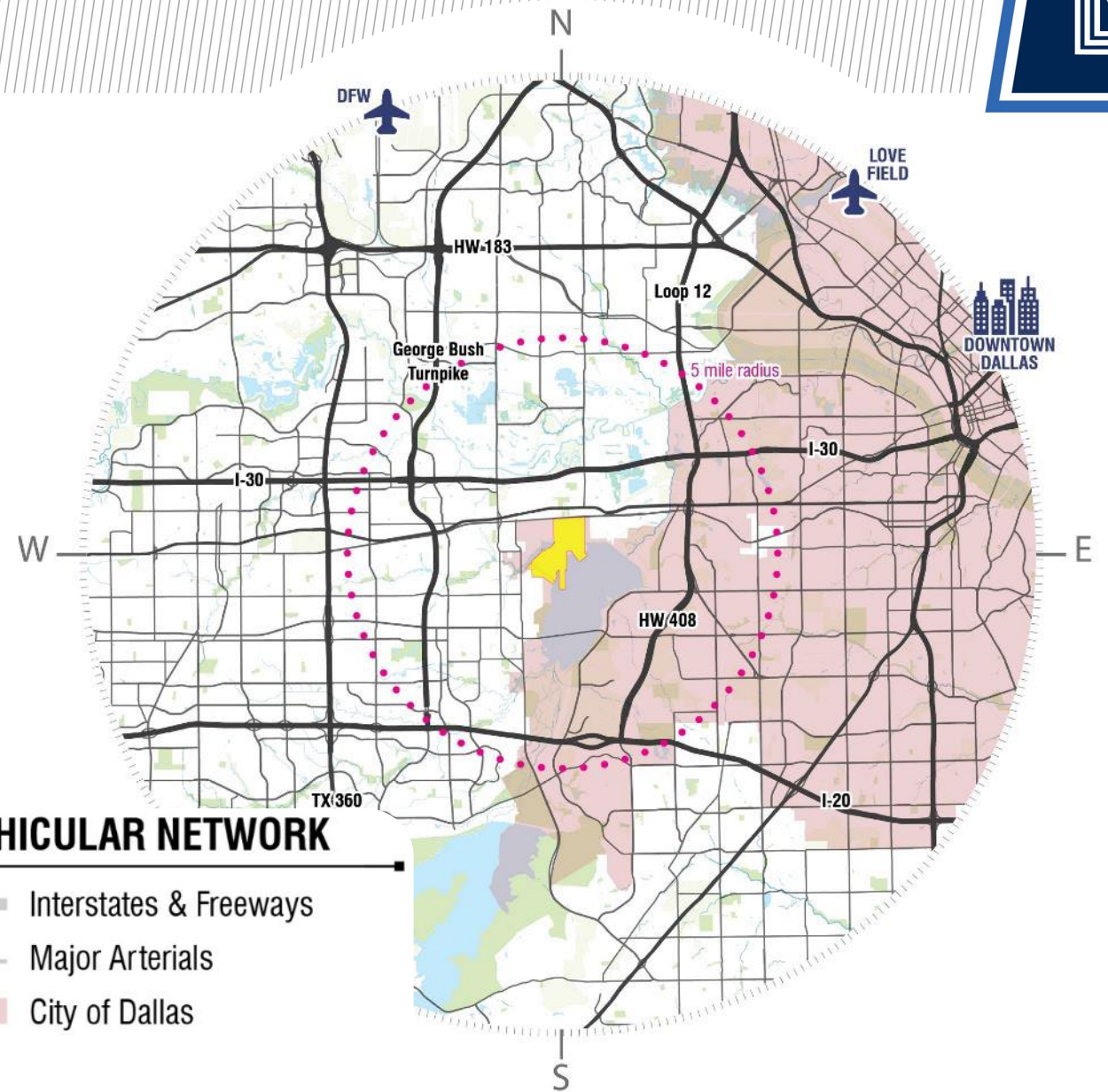
Brief the Committee on the Draft Hensley Field Master Plan and next steps ahead of the City Council public hearing



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

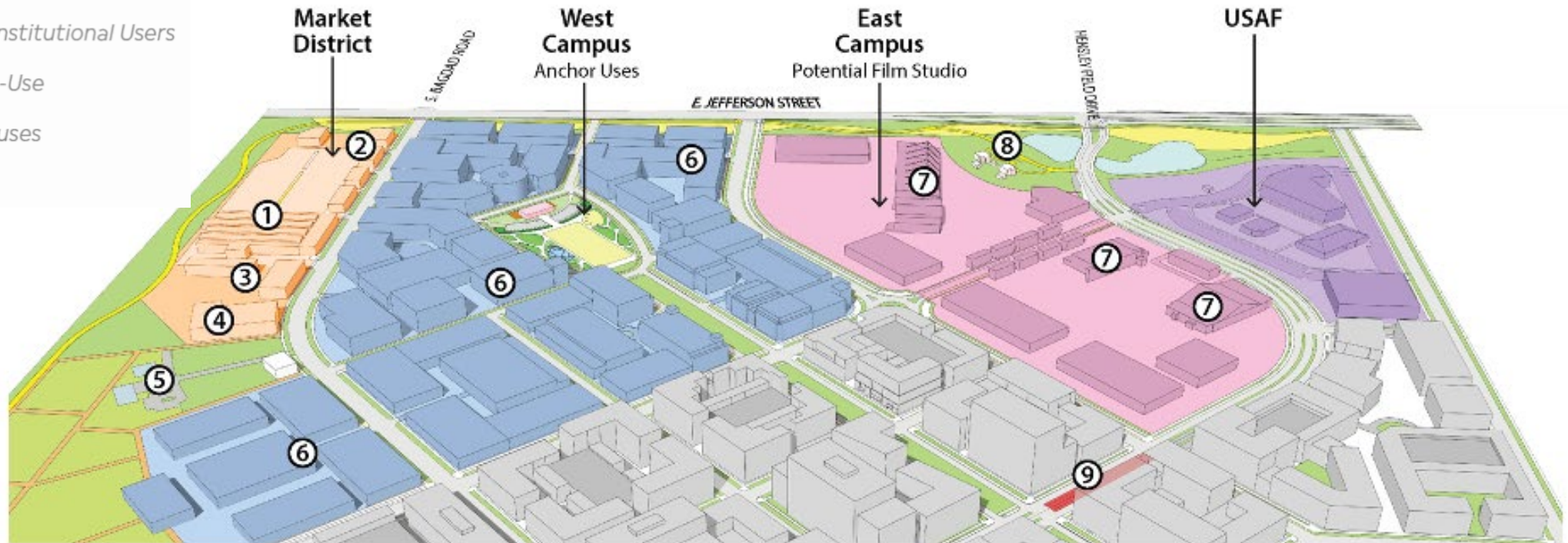
- Reserve **60 to 80 acres** of land along the Jefferson Street frontage for one or more **corporate or institutional** user(s) and consider film studio complex
- Reserve a 10-acre site for GPISD **public school** and locate the facility adjacent to a 10-acre playfield area
- Reserve a site for a future **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



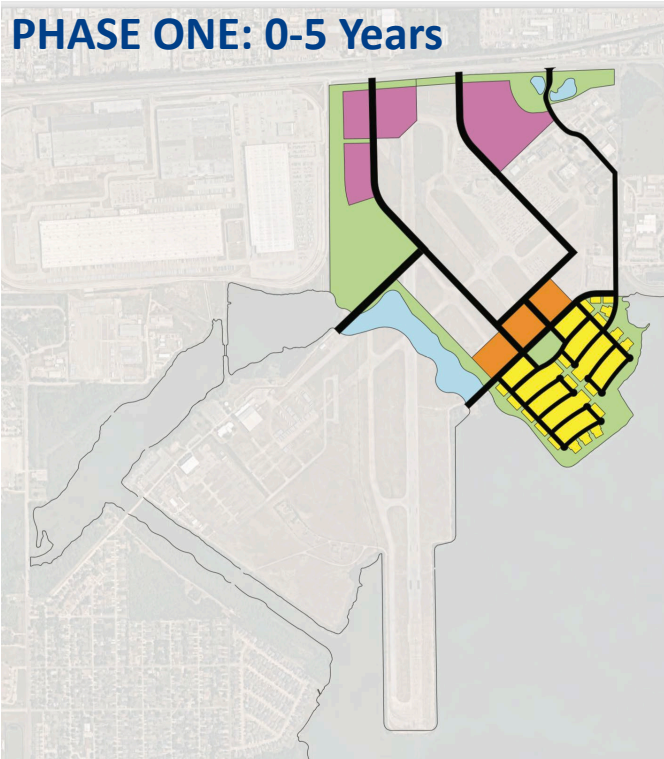
- ① Full Service Grocery Store
- ② Regional Retail
- ③ Fire / EMS Station
- ④ Composting / Recycling Center
- ⑤ Urban Farm
- ⑥ Corporate and/or Institutional Users
- ⑦ Existing Hangar Re-Use
- ⑧ Historic Officer Houses
- ⑨ BRT Station



Economic Development Opportunity at Hensley Field



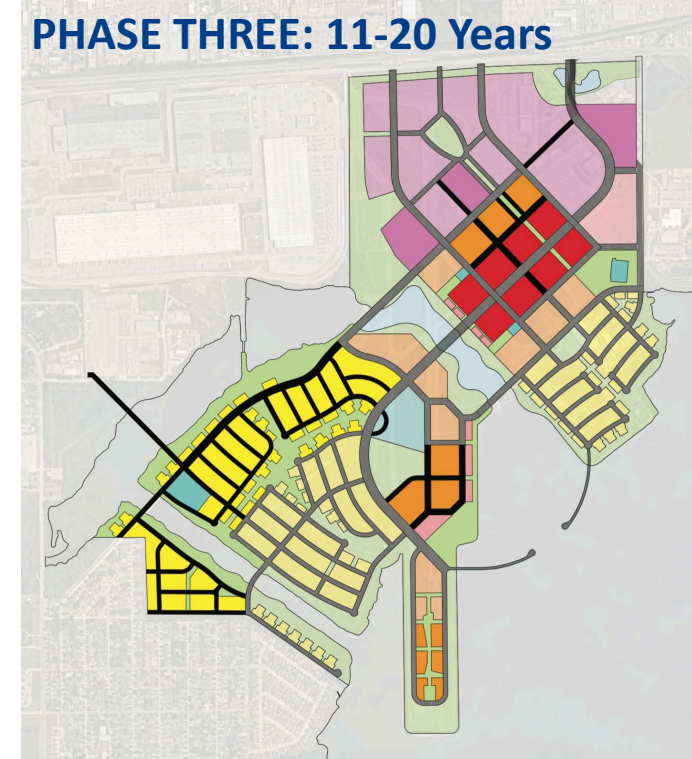
Plan Recommendations – Phasing



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



- **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



- **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



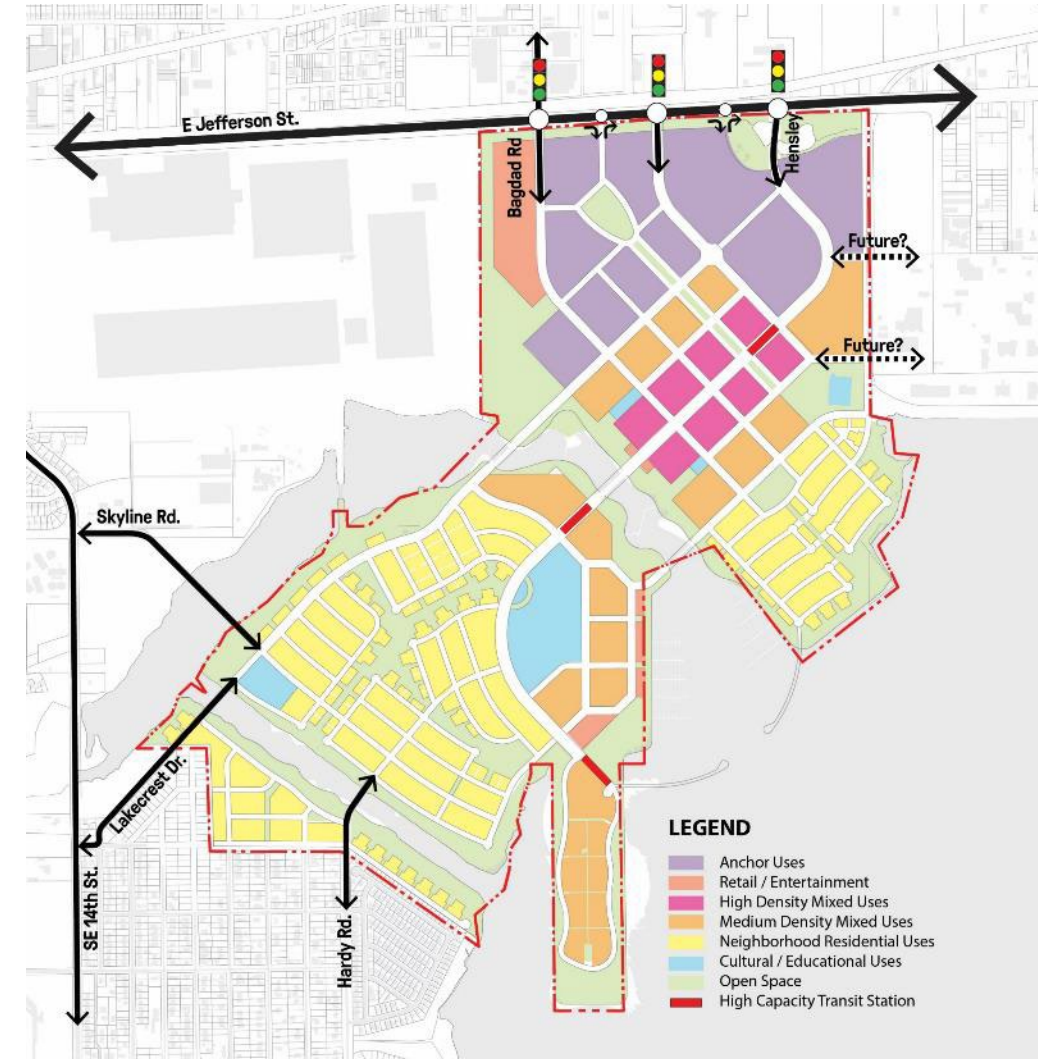
Plan Recommendation



Plan Recommendations – Mobility



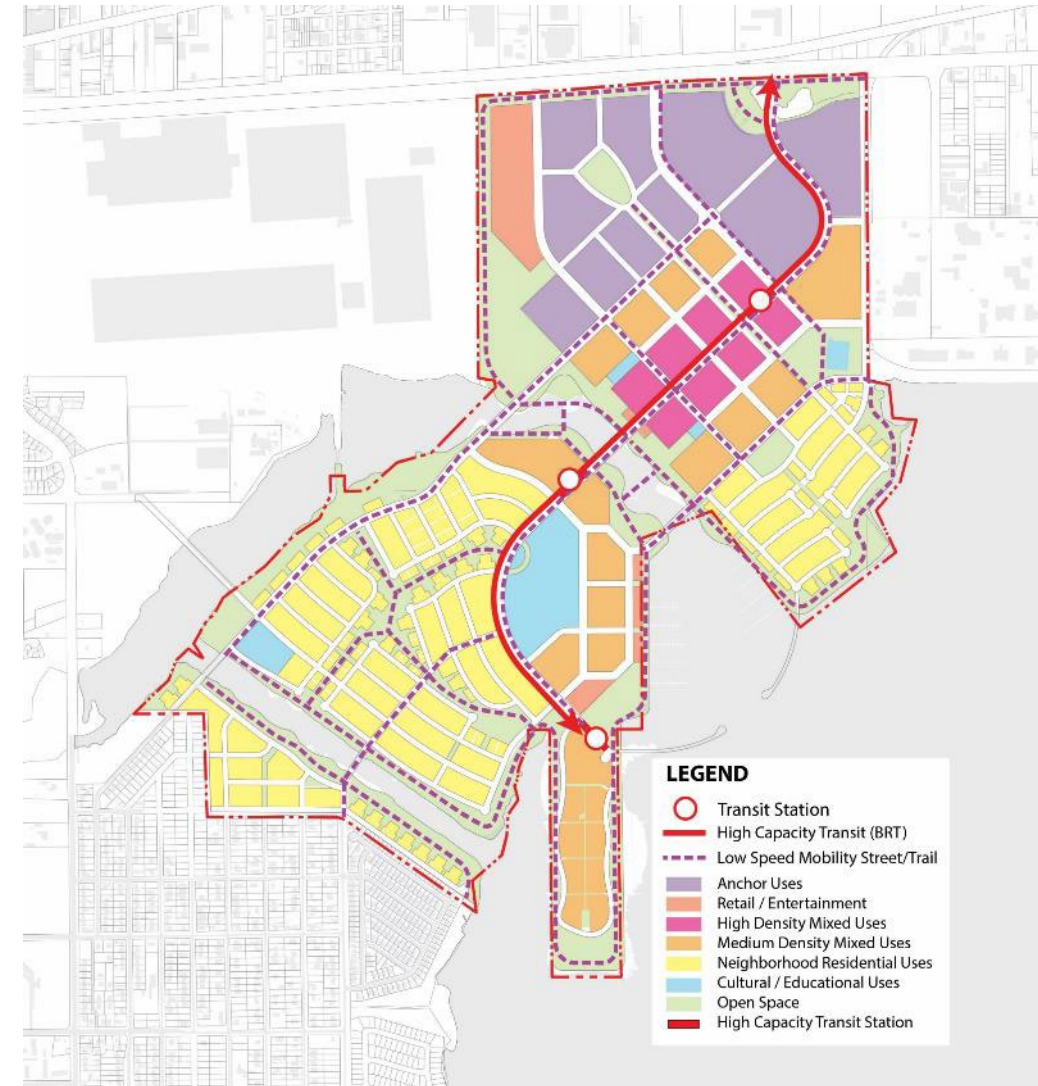
- Maximize connections to surrounding roadway network to **reduce congestion and distribute trips**, including:
 - Signalized intersections on Jefferson Street
 - Hardy Road and Lakecrest Drive connections across the diversion channel
 - A Skyline Drive connection across Cottonwood Creek
 - Future eastern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



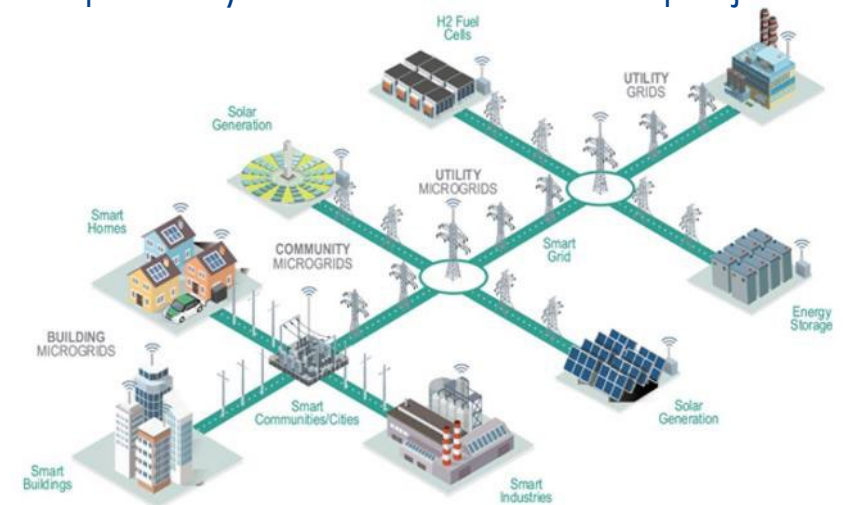
Plan Recommendations – Sustainability



- 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.

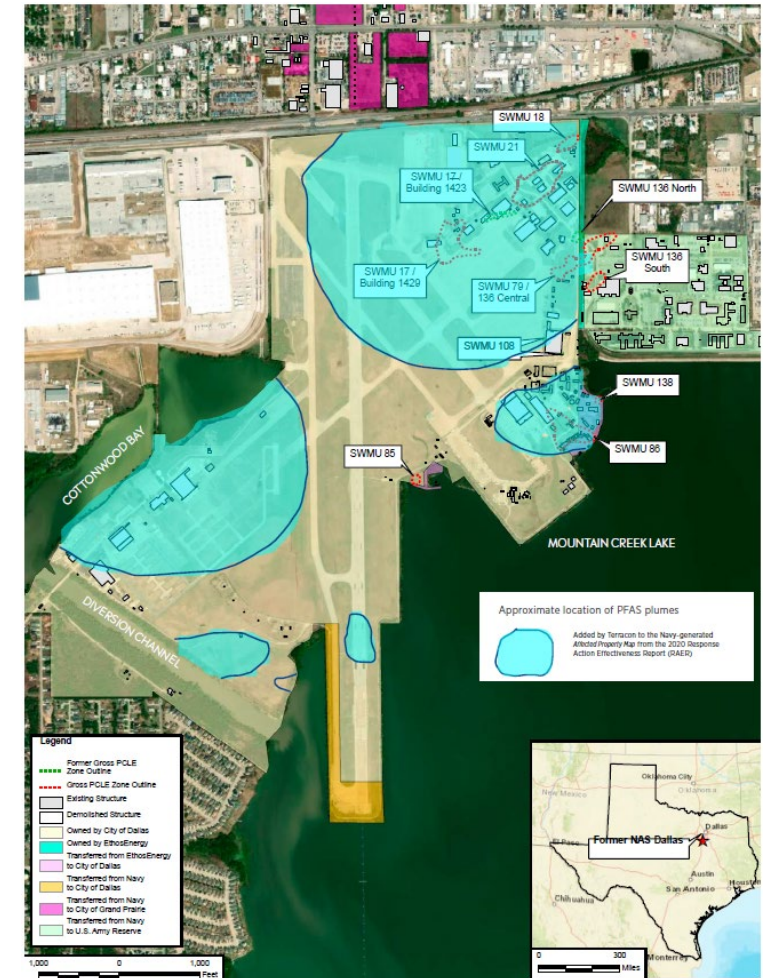


Environmental Remediation (CONT...)



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.

SIMILAR PROJECTS



MUELLER
Austin, Texas



CENTRAL PARK
Denver, Colorado



Mission Bay
San Francisco, California

Proposed Developer Selection Process



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

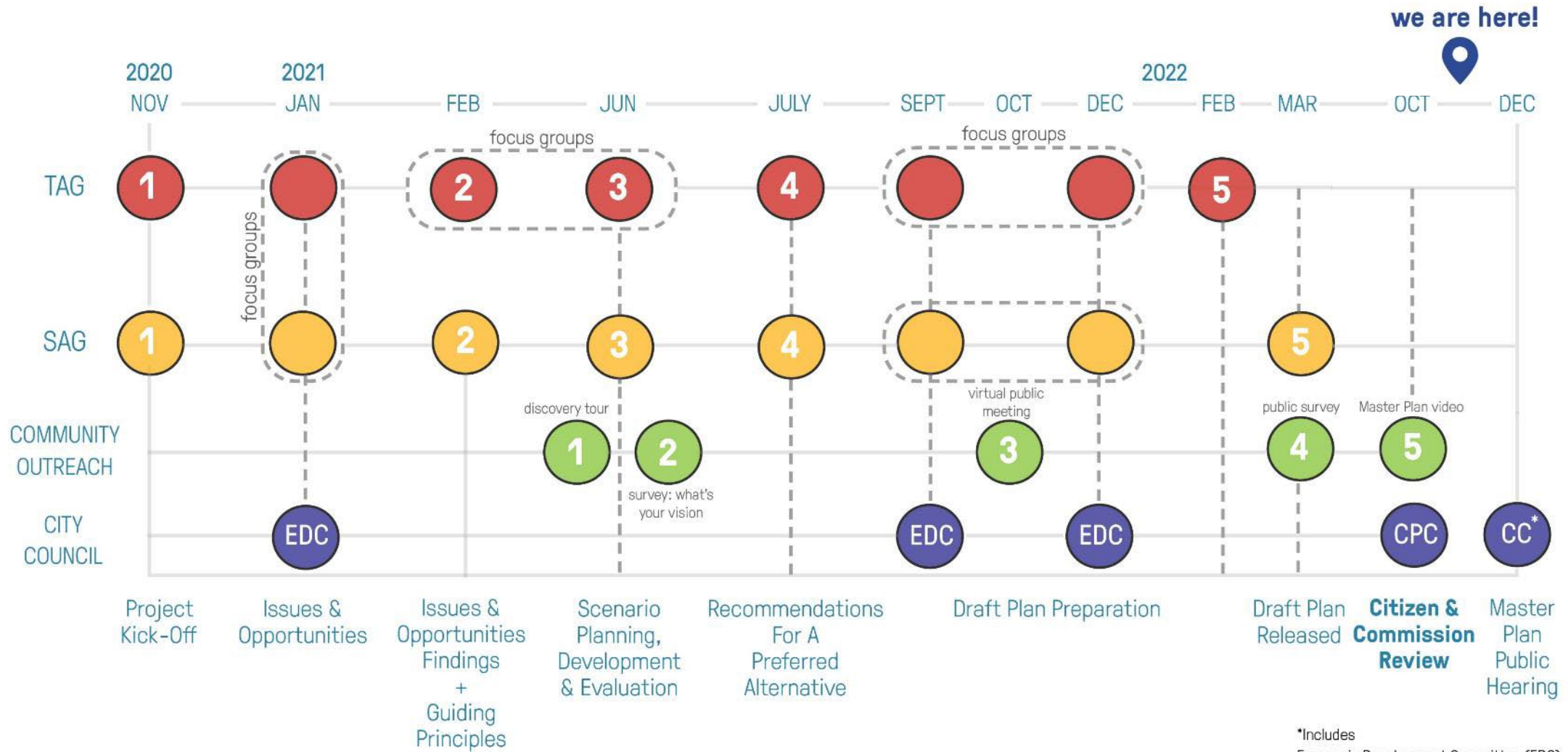


- Utilize TIF through Tax Incentive Reinvestment Zone (TIRZ) to fund infrastructure and public realm amenities:
 - TIF is estimated to generate \$198 to \$243 million over 20 years. Net present value of \$100 to \$123
 - Explore Hensley Field as a sub-district of Cypress Waters TIF District
- Other financing 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**

Julia M Ryan, AICP
Director
Planning and Urban Design

Arturo Del Castillo, AIA
Chief Planner
Planning and Urban Design



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)

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



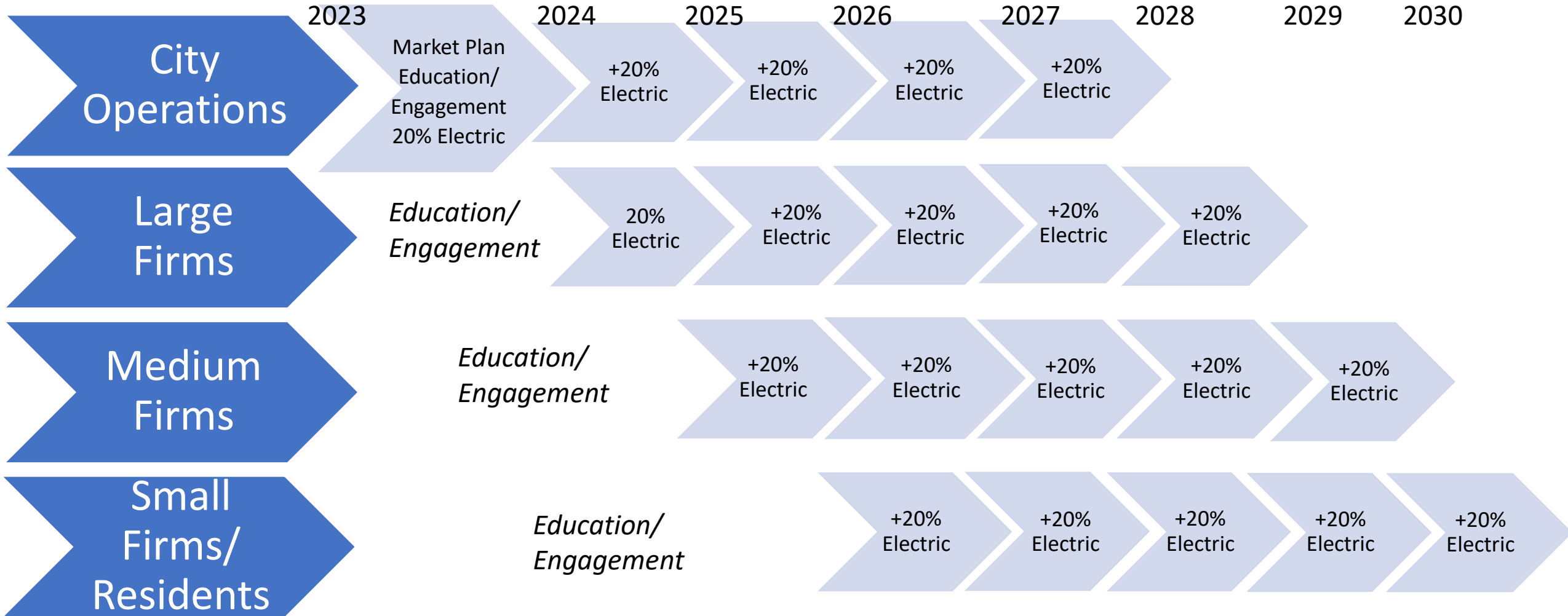
Case Study: State of California



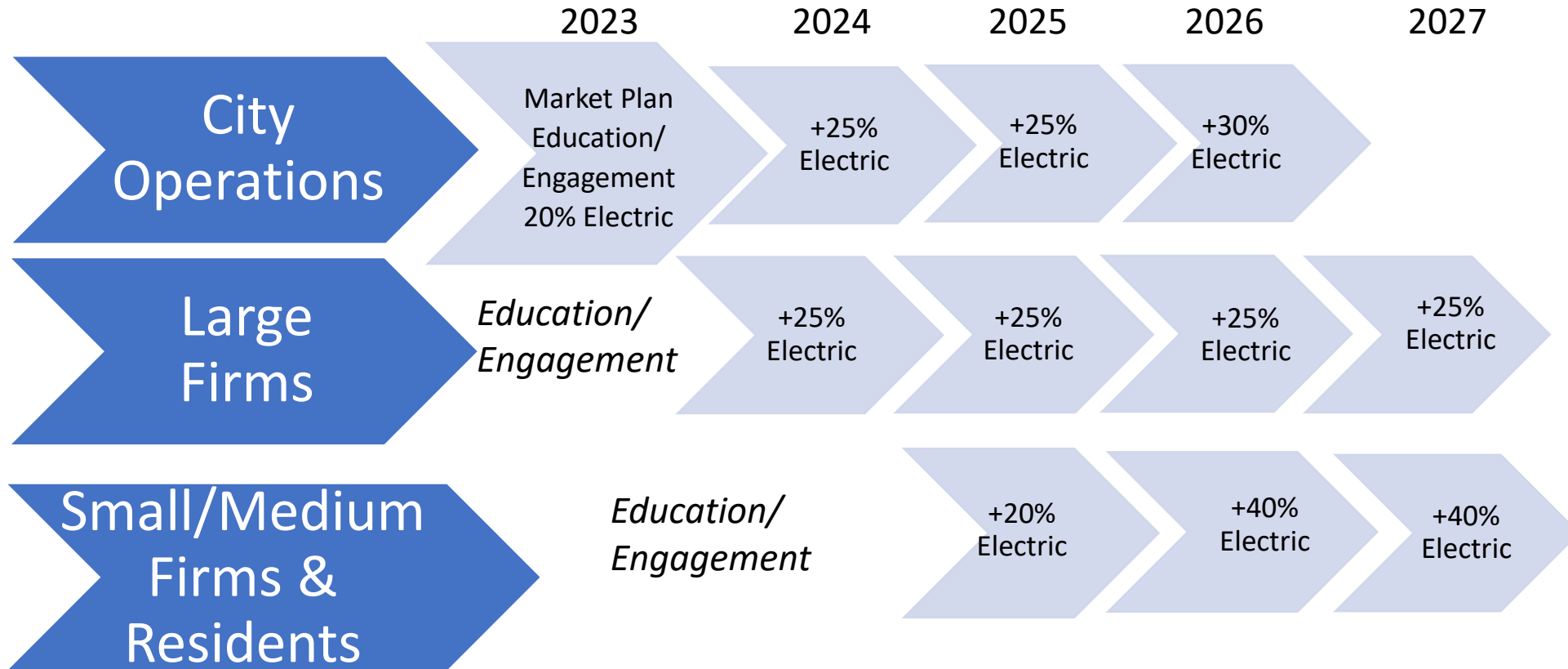
- “Small Off-road Equipment” (SORE) banned including, but not limited to leaf blowers.
- Began evaluation of legislation in 2018.
- AB 1346, required the state to adopt regulations around gas-powered tools by July 1, 2022, and ban sales by 2024.
- All new equipment for landscaping must be zero emission 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



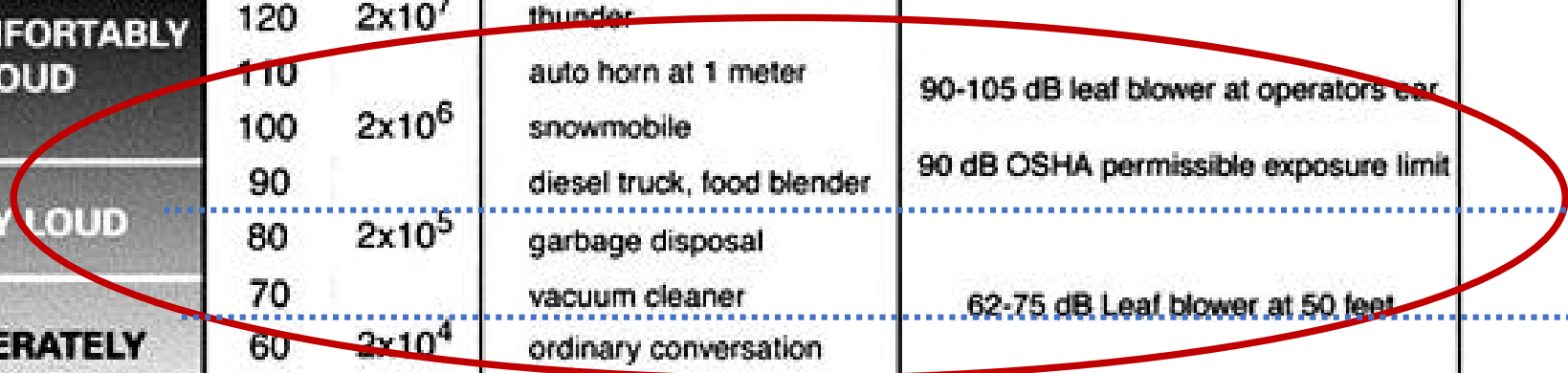


Sound Level Chart

Perceived Sound Level Sound Level Examples Leaf Blower Reference

Perceived Sound Level	dB	μPa	Examples	Leaf Blower Reference	
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		
UNCOMFORTABLY LOUD	130		power drill		
	120	2×10^7	thunder		
	110		auto horn at 1 meter		90-105 dB leaf blower at operators ear
	100	2×10^6	snowmobile		90 dB OSHA permissible exposure limit
VERY LOUD	90		diesel truck, food blender		62-75 dB Leaf blower at 50 feet
	80	2×10^5	garbage disposal		
MODERATELY LOUD	70		vacuum cleaner		
	60	2×10^4	ordinary conversation		
	50		average home		
QUIET	40	2×10^3	library		
	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 September 6, 2022

SUBJECT **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
Billieae 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

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

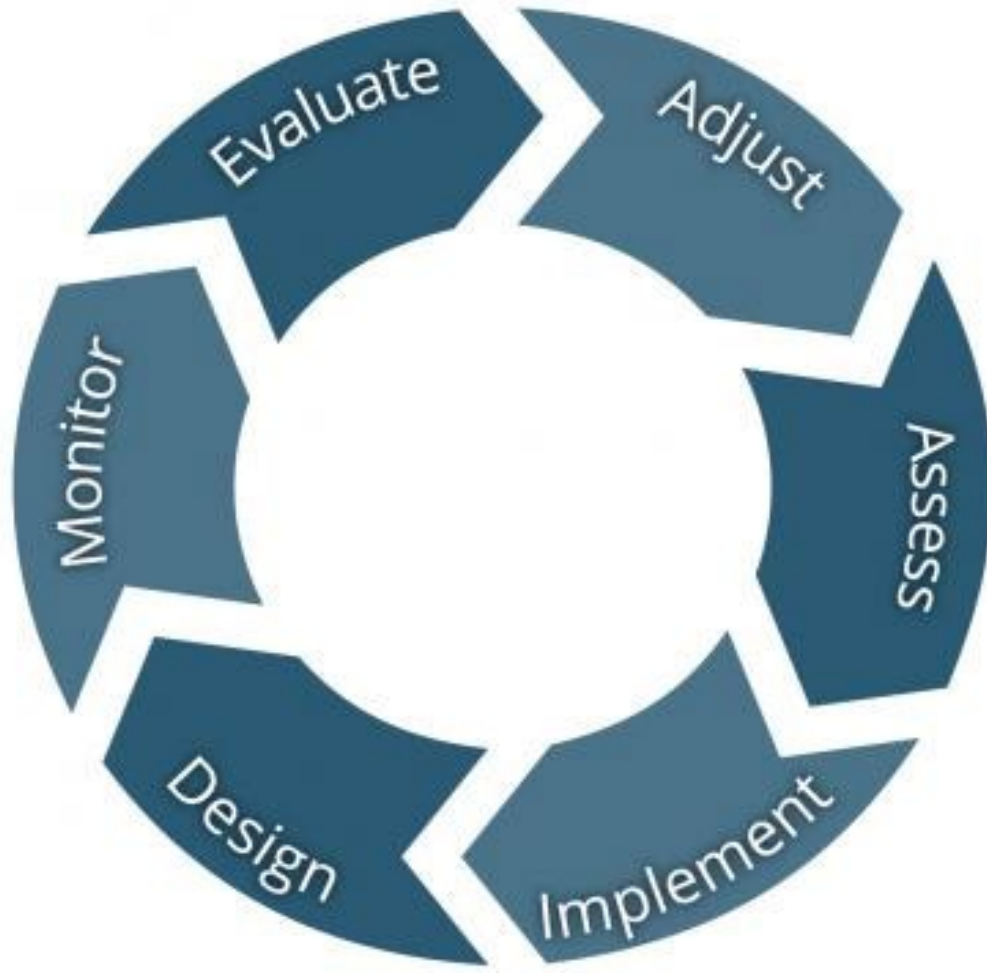
CECAP IMPLEMENTATION WORKPLAN FISCAL YEAR 2022-2023



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



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





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





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



CITY OF DALLAS

DATE November 7, 2022

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

SUBJECT **CECAP Fiscal Year 2022 Implementation Summary**

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

INTRODUCTION

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

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

During year two, three stakeholder groups advised on outreach, trajectory, and milestones. These groups include the Environment and Sustainability Committee (ENVS), the Environmental Commission (EVC), Leading Environmental Action Forward (LEAF), and Regional Integration of Sustainability Efforts (RISE) Coalition. More information on each of these groups can be found in the CECAP FY22 Work Plan.

MILESTONE RESULTS SUMMARY

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

FY22 KEY ACCOMPLISHMENTS

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

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

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

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

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

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

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

GOAL 4: DALLAS IS A ZERO-WASTE COMMUNITY.

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

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

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

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

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

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

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

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

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

MOVING FORWARD

Building on the success of the previous years, year three of CECAP implementation continues with the collaborative effort of 17 City departments to activate a total of 202 milestones. As the CECAP implementation process advances (while maintaining alignment with other City plans such as the Racial Equity Plan and the ForwardDallas Comprehensive Land Use Plan), we are incorporating ongoing activities into the service delivery model of our major departments. This ensures the activities are sustainable and will be ongoing for many years into the future.

If you have questions, or need additional information regarding this memo, please contact Carlos Evans, OEQS Director (214-670-1642), Susan Alvarez, OEQS Assistant Director (214-671-9505) or OEQS Senior Climate Coordinator, Pharr Andrews (214-670-3291).



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Assistant City Manager, City of Dallas

cc: T.C. Broadnax, 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



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



City of Dallas

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



City of Dallas

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


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