



City of Dallas

Progress Report on 2022 Environment & Sustainability Committee Priorities

**Environment & Sustainability
Committee**

February 6, 2023

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Office of Environmental Quality &
Sustainability

Presentation Overview

- Background
- Current Status
- Other Related Efforts
- Next Steps



Background



- **ENVS Committee:** Formed on December 16, 2021
- **Mayor set 6 ENVS priorities towards a stronger, safer, healthier, more vibrant, and more equitable City:**
 1. Reviewing city codes, policies, and procedures
 2. Reforming bulk-and-brush trash pickup program
 3. Implementing the Comprehensive Environmental and Climate Action Plan (CECAP) and effectuating resilience strategies
 4. Exploring new, equitable policies to address neighborhood environmental concerns
 5. Insuring progress on Hensley Field remediation
 6. Developing a plan to dredge White Rock Lake

Reviewing City Codes, Policies & Procedures



Reviewing city codes, policies, and procedures that allowed for environmental threats to occur, and recommending new codes, policies, and procedures including zoning changes to prevent such occurrences in the future: Efforts include, but are not limited to:

- **Forward Dallas Update:** Staff are continuing efforts to guide land use decision making, to plan for a better future. (Ongoing)
- **Development Code Update:** Dallas Development Code overhaul to develop a modern, updated and user-friendly code aligned with all adopted City plans and policies (Underway).
- **Building Code Update:** Proposed Code updates to the FY 21 Building Code will be on the March 8, 2023, Council Agenda.
- **Net Zero Carbon Design Policy:** Recommended technical specifications for the pending Capital Bond Program, and the convention center, underway (recommendations May 2023).
- **Lane Plating Community Advisory Group:** Supporting community stakeholder input into EPA site characterization and cleanup under the EPA Superfund Program to address a 90-year-old electroplating operation in South Dallas. This site began controlled demolition January, 2023.
- **Blue Star Site Settlement and Cleanup:** Ongoing work to remediate property. Staff are supporting the Planning Department City-initiated rezoning process.



Brush and Bulky Item Collection Program



Reform Bulk-and-brush trash pickup to ensure maximum efficiency and proper use:

- Completed a brush and bulky item separation pilot collection program in 6 neighborhoods in December 2021.
- Information from pilot was used to inform the Local Solid Waste Management Plan Update, adopted on June 22, 2022, by Council Resolution 22-0965. This new updated plan informs future decision-making on brush and bulky item collections and processing of green waste material for beneficial reuse.



CECAP Implementation (Multi-Department Effort)



Implement the Comprehensive Environmental and Climate Action Plan (CECAP) and effectuate resilience strategies, such as the creation of green roofs and a solar program.

COMPREHENSIVE ENVIRONMENTAL AND CLIMATE ACTION PLAN



IMPLEMENTATION WORK PLAN FY 20-21

BY OFFICE OF ENVIRONMENTAL QUALITY & SUSTAINABILITY
WITH ENVIRONMENT & SUSTAINABILITY TASK FORCE AND
LEADING ENVIRONMENTAL ACTION FORWARD

NOVEMBER 2, 2020



CECAP IMPLEMENTATION WORK PLAN FISCAL YEAR 2021-2022



CECAP IMPLEMENTATION WORKPLAN FISCAL YEAR 2022-2023



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

92% of 136 Milestones/ 48 Actions

94% of 263 Milestones/ 73 Actions

202 Milestones/ 73 Actions *Underway*



CECAP Efforts Underway:



- **Environmental Commission & Environmental Health Committee**
- **Connect Dallas - Strategic Mobility Plan** (complete, Spring 2021;
- **Fleet Electrification Study:** the plan and recommendations were presented to the ENVS on Aug 1, 2022.
- **Local Solid Waste Management (“Zero Waste”) Plan Update** (Complete, 2022):
- **Comprehensive Food and Urban Agriculture Plan** (Underway, complete 2023):
- **Energy Management Improvements for City Buildings** (Complete 2022): Assessment energy efficiency opportunities; resilience hubs, and or for self-generation of renewable energy. Efforts include:
 - **Energy Efficiency Audits:** performed for over 140 buildings, along with priorities for implementing energy efficiency efforts, solar generation, and future batteries to support resiliency.
 - **Energy Efficiency Upgrades:** City Hall Parking Garage, the Hampton-Illinois Branch Library and Juanita Craft Recreation Center, Complete: 50-to-60 percent reduction in energy use.
 - **US Department of Energy – Better Climate Challenge:** February 2022, the City committed to partnering with the US DOE Better Climate Challenge program to reduce energy-use intensity, and to decarbonize 140 City buildings in the next 10 years.
- **Expanding Green Space/Trails:**
 - Expanded parklands by 193.8 acres through the additions of the Parkdale Park, Woody Branch Park and South Oak Cliff Park and others.
 - Over 73 percent of Dallas residents now within a ½ mile distance to a park or trail.
- **Solar Program Implementation** (Underway): The City has several different solar programs underway:
 - **US DOE Community Solar Grants:** two U.S. DOE Program Assistance Grants to investigate feasibility of developing solar on Deepwood Landfill. (Project on hold)
 - **ARPA Community Solar Grant:** Using \$1.2 Million in Community Solar grant funds to implement community solar in Dallas (Project underway)
 - **City-wide Community Solar Plan:** (Underway, complete 2023) Plan to prioritize community solar generation; this contract should come forward for City Council approval in Spring, 2023.
 - **City Facility Solar:** Solar photovoltaic panels installed at West Dallas Branch Library, Fretz Park Recreation Center, and Pleasant Oaks Recreation Center.; currently accepting bids to add solar+ battery to the Bachman Recreation Center.
 - **Solar for Affordable Housing:** Install solar panels on affordable housing projects underway at the St. Phillips Community and at the multi-family Dallas City Homes project in West Dallas; Efforts continuing in 2023.



CECAP Efforts (Cont'd):



- **Whole Home /Weatherization Program:** New Whole Home Online HUB with resources to connect eligible low- and moderate-income residents to existing programs that support whole-home weatherization upgrades in a comprehensive, accessible and easy to understand online format. (Underway)
 - **Weatherization Campaign:** Close the information gap and bridge the digital divide on information about weatherization by creating multi-media, multi-lingual weatherization resources.
 - **Regional Whole Home Forums:** Host interactive, facilitated forums to gain from stakeholders in the North Texas region to further define actions to reduce energy burdens through partnerships.
 - **Green Warriors Pilot:** Implement a place-based project to weatherize between 6-10 low-income homes through job-based work force development and a pathway to living wage employment.
 - **Virtual Training Assistance Program:** Provide support for green job-training by providing tuition assistance to allow participation in an online weatherization certification program.
- **Breathe Easy Dallas Project/ Community Air Quality Program:** Expand Breathe Easy Dallas Project by two different grants to deploy additional non-regulatory air quality monitors, particularly in areas with higher prevalence of childhood asthma, and/ or identified potential pollutant sources:
 - **EPA State Environmental Justice Community Program Grant (SEJCP):** 5 non-regulatory air quality monitors in West Dallas; follow-on work with Parkland Health, Children's Health, and Positive Breathing to implement appropriate education materials/ interventions. Staff conducted initial community meetings to attain preferences for monitor locations and have installed 2 of the initial locations.
 - **American Rescue Program Act (ARPA) Grants:** Staff are using SEJCP methods with additional ARPA grant funding to implement non-regulatory air quality monitors in other areas with higher incidences of childhood asthma, and or proximity to potential pollutant sources. Communities under consideration include, but are not limited to: Fair Park area, Floral Farms, Lane Plating site, Joppa, Upper Elm Fork (near Walnut Hill) and other locations.

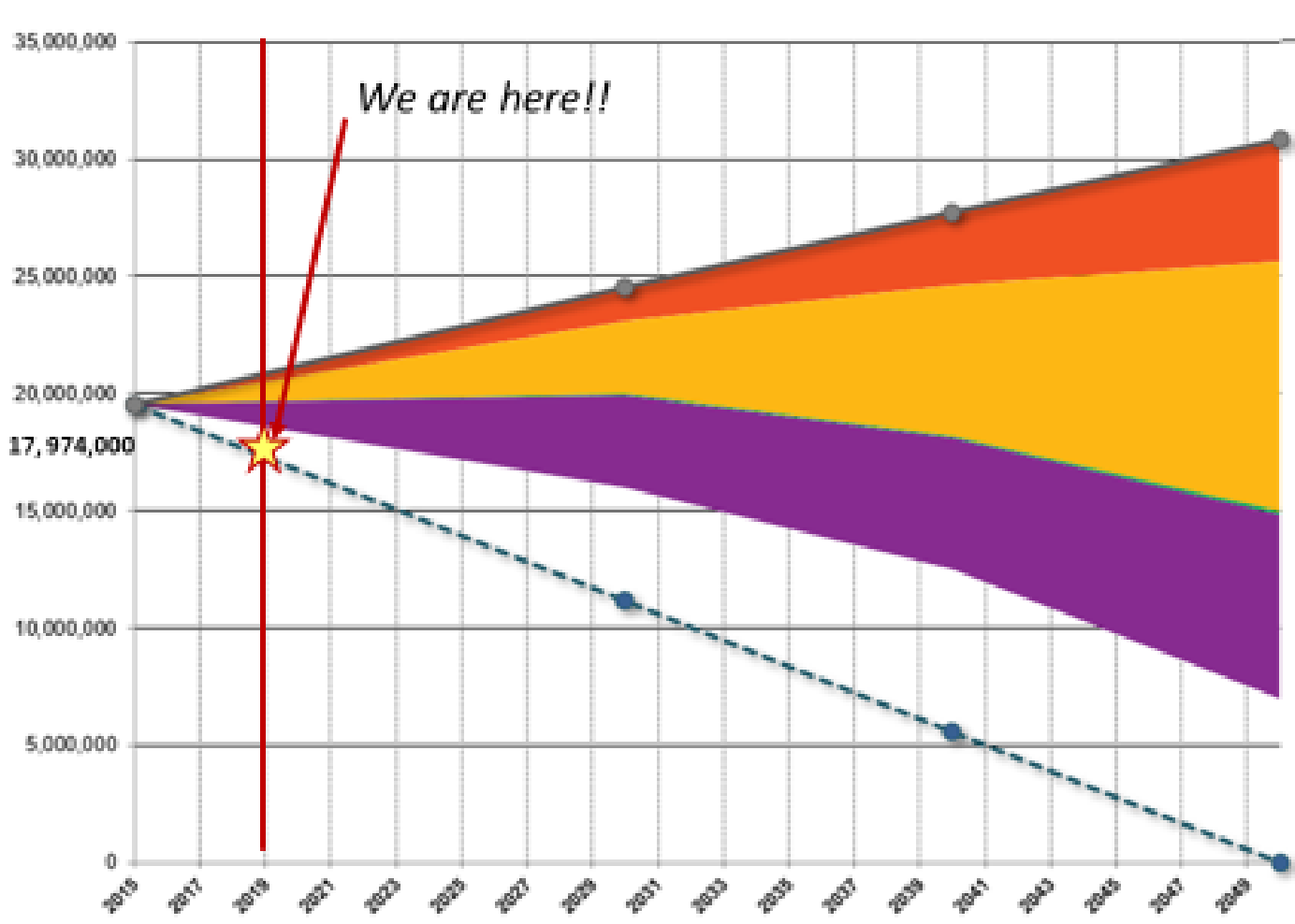


CECAP Results (GHG Reductions On-Track)

18



tonnes CO2e/year



tonnes CO2e/year	Emissions Metric
<u>2015 Base Year Emissions Level</u>	
19,529,660	Base Year
<u>2030 Emissions Levels</u>	
24,504,888	Baseline Forecast
42.9%	Target (% below 2015 base year level)
11,151,436	Allowable Emissions
16,019,934	Achieved w/ Actions
4,868,498	Achievement Gap
<u>2040 Emissions Levels</u>	
27,738,576	Baseline Forecast
71.4%	Target (% below 2015 base year level)
5,585,483	Allowable Emissions
12,499,844	Achieved w/ Actions
6,914,362	Achievement Gap
<u>2050 Emissions Levels</u>	
30,870,022	Baseline Forecast
100.0%	Target (% below 2015 base year level)
0	Allowable Emissions
6,972,026	Achieved w/ Actions
6,972,026	Achievement Gap

Legend:

- N National/Regional Actions (All Sectors)
- Private Building Energy
- Municipal Building & Public Lighting
- Electricity Generation
- Baseline Forecast
- Solid Waste
- Wastewater
- Transportation
- Target Trajectory

Exploring New, Equitable Neighborhood Policies



Exploring new, equitable policies to address environmental concerns in neighborhoods, including restrictions on gas-powered leaf blowers and a notification process regarding plans to build concrete batch plants.

- **Environmental Justice Initiatives:**

- **Racial Equity Plan** – Staff identified appropriate new environmental justice goals and related metrics to be added to the Equity Initiatives and the Racial Equity Plan; Racial Equity **Adopted August 23, 2022;**
- **Dallas EJ Screen** – Staff have worked with the Office of Data Analytics to develop a GIS-based decision tool to allow assessment of Environmental Justice concerns, and to assess improvement indices over time.

- **Batch Plants:**

- City Council adopted Phase One of the development code update that now requires permanent and temporary asphalt/concrete batching plants to obtain a Specific Use Permit (with public notice and hearing). Adopted May 11, 2022;
- Phase Two is currently under review with the Zoning Ordinance Advisory Committee and includes additional design and locational standards for batch plant operations. It is estimated to be forwarded to the City Plan Commission in early Spring and then to City Council for final action.



More New, Equitable Neighborhood Policies



Brownfields Program:

- Implemented FY2020 EPA Brownfields Assessment Coalition Grant
 - 11 “Project/Site” Nominations were received comprised of 82 properties spanning 58 acres
 - Prioritized and completed assessment activities (Phase I ESA, Phase II ESA , Inventory/Environmental screening and Regulated Building Material (RBM) Survey on 8 EPA approved sites
 - Performed RBM for former school in Joppa to support redevelopment as multi-purpose/community center
 - Formed a Brownfield Advisory Committee (BAC) and Coalition Partner’s group facilitating 4 BAC Meetings
- Applied for FY2023 EPA Community-Wide Assessment Grant and Revolving Loan Fund Grant



Fair Park First

Community Park Site



Fair Park First Community Park Site (2022)



More New, Equitable Neighborhood Policies



Gas-Powered Landscape Equipment:

- Gas-powered landscape equipment policies briefed to the ENVS Committee on December 1, 2021, and to Park Board on May 19, 2022.
- On June 8, 2022, the Environmental Health Committee of the Environmental Commission recommended *“supporting a phased transition from gas-powered landscaping equipment to battery-operated or electric-hybrid equipment to reduce particulate matter and other pollutants that affect health and contribute to poor air quality.”*
- Staff provided follow-up briefings to the ENVS Committee on August 1, 2022, and December 6, 2022; 5-year Landscape Equipment Transition Plan Spring 2023.
 - Residential and commercial survey
 - Outreach and engagement
 - Inventory of City- and public equipment to allow estimates of funding required to support this transition.

Hensley Field



Ensuring that progress continues on the remediation of Hensley Field:

- Hensley Field Redevelopment Plan was approved by City Council on December 14, 2023
- Navy completed the Remedial Investigation report in June 2022
- The City met with the Navy on January 30, 2023 to discuss next steps for this project.



Dredge White Rock Lake



Develop a plan to dredge White Rock Lake:



Photo Credit: Justin Terveen

- The White Rock Lake Dredge Feasibility Study was completed September 2021;
- City Council awarded the preliminary design contract and opinion of probable cost December 22, 2022;
- Anticipated inclusion in the 2024 Capital Bond Program.

Other Related Efforts



- **Bachman Lake Dredge**
- **Micro-mobility Plan**
- **Updated Bike Plan**
- **Emerald Ash Borer-Plan**
- **Five-Day Trash Service**





Questions or Comments?



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