



**City of Dallas**

# **CECAP: FY21-22 Annual Work Plan & the Sustainable Procurement FY22 Workplan**

**Environment & Sustainability Committee**

**October 4, 2021**

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Office of Environmental  
Quality & Sustainability

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# Workplan Overview:

## CECAP & Sustainable Procurement

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- Primary Focus Areas
- Actions and Activities
  - New Actions
  - Sector Highlights
- Adaptive Management
- Performance Measurement





# APPROACH TO PLANNING



**MITIGATION:** Reduce emissions that cause climate change



Clean Energy  
Sustainable Transportation  
Energy Efficiency

**EQUITY**



Urban Forest Management  
Water Conservation  
Water Quality  
Local Food Production  
Food Access  
Food Recovery

**ADAPTATION:**  
Manage risks of climate change impacts



Disaster Management  
Flood Protection  
Infrastructure Upgrades



**ENVIRONMENT:** Improve Quality of Life + Public Health



# Equity in Dallas Planning Efforts



- The City Indicators Report\* identifies disparities in different communities within Dallas.
  - Through the use of disaggregated data, the Dallas' Equity Indicators Report identifies communities disproportionately impacted by disparities across five different themes, including Economic Opportunity, Education, Neighborhoods and Infrastructure, Justice & Government, and Public Health.
- As the CECAP looks to improve quality of life, reduce greenhouse gas emissions, prepare for the impacts of climate change, and create a healthier and more prosperous community, we are implementing through an equity lens to address these disparities.

\* Available at: <https://dallascityhall.com/departments/pnv/dallas-equity-indicators/DCH%20Documents/equity-indicators-booklet-2019.pdf>



# Continuing FY 21 Focus Areas



## Building Capacity:

- Education and outreach
- Expanding partnerships
- Amplify ongoing actions
- Explore funding opportunities
- Pilots and proof of concept projects
- Tracking and accountability





# Environment & Sustainability Task Force



- 15 community members/  
subject matter experts
- Scope of Work:
  - Advise on environment,  
sustainability, and CECAP  
implementation
  - Develop the infrastructure and  
scope for a permanent  
commission, by City Ordinance



# Environmental Commission



- Established by City Ordinance on April 28, 2021 and appointed on September 22, 2021
- 15 voting members
- 8 non-voting technical experts (one per CECAP Goal)
- Monthly meetings, or as needed
  - Beginning November 2021
- Standing Environmental Health Committee
- Two-year appointments for members



North  
Texas  
**RISE**  
Coalition

The Regional Integration of Sustainability Efforts (RISE) Coalition, formerly the North Central Texas Stewardship Forum, works to engage interested local governments in peer-exchange opportunities to support sustainability and environmental initiatives.

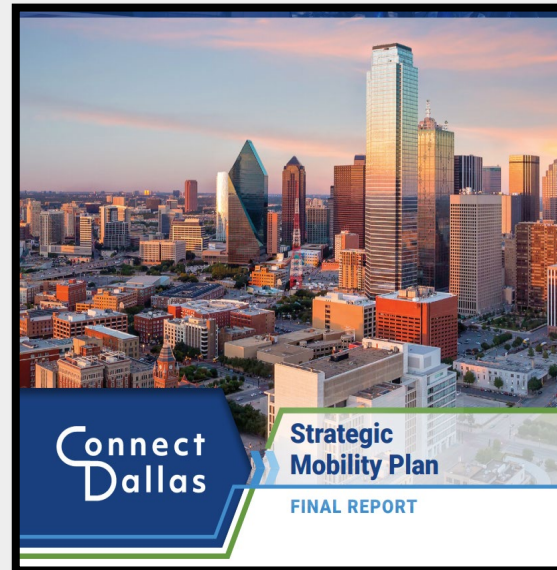
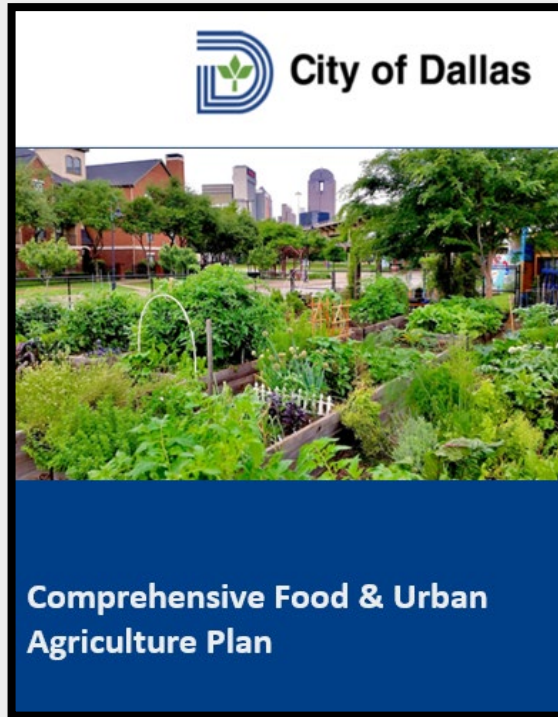




- Internal stakeholder group: Leading Environmental Action Forward (LEAF)
- Participation is based on work plan commitments
- Team: Staff from 19+ departments implementing CECAP actions and other related efforts
- Meets and report quarterly
  - Reporting will shift to monthly in FY 21-22



## Align with other city efforts





# FY 20-21 Implementation Work Plan



- Includes 48 CECAP actions that are divided up into 136 milestones for implementation and tracking purposes
- Q4 Milestone Progress\*

Complete:	93%
In Progress:	5%
Not Started:	2%

*\*these are preliminary results and are still being cross-checked*

## 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



# FY 21-22 Implementation Work Plan



- 30-year plan with 8 focus areas and 97 Actions
- 73 actions will be activated in FY21-22
  - 26 new actions
- 263 Milestones
  - 89 ongoing milestones
- 17 City Departments involved and counting

## CECAP IMPLEMENTATION WORK PLAN FISCAL YEAR 2021-2022







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



**Total actions underway: 10 of 16**

**New actions activated in FY22 (4):**

**10 of 16**

- B3: Develop clear and comprehensive educational program for building owners and tenants about existing energy efficiency programs.
- B4: Implement a citywide building weatherization program through partnership with community organizations.
- 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.
- 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.

**38 milestones by Aviation, Building Services, Housing,  
Economic Development, Development Services &  
OEQS**





# FY 21-22 Highlights: Buildings



- **City Initiatives**

- City Energy Management Program and efficiency upgrades
- Net-zero specifications for future capital projects
- **Begin implementation of “resilience hubs” on City-owned properties**

- **Outreach and Education**

- Energy efficiency education, including expansion of participation in PACE
- **Connect residents to weatherization programs**

- **Codes and Permitting**

- **Building code amendments that support solar PV and EV charging**
- Evaluate SolarAPP+ for solar permitting







## Goal 2: Dallas generates and uses renewable, reliable, and affordable energy.



9 of 11

**Total actions underway: 9 of 11**

**New actions activated in FY22 (3):**

- E1: Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and public utility companies.
- E2: Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.
- E4: Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.

**28 milestones by Bond & Construction Management,  
Building Services, Housing, Economic Development,  
Development Services & OEQS**





# FY 21-22 Highlights: Energy



- **City Initiatives**

- Continue Green Energy Policy for City facilities
- Feasibility studies for resilience hubs and renewable energy hubs

- **Solar**

- Work towards SolSmart designation
- **Continue to require innovative renewable energy as part of the design services for City facilities in new construction or renovation of existing facilities**
- **Conduct Solar Site Location Inventory and Evaluation**
- **Continue community solar initiatives, including best practices for designing, constructing, and operating environmentally and habitat-friendly solar farms.**

- **Outreach and Education**

- Continue renewable energy education
- Encourage green workforce training







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



**Total actions underway: 13 of 19**

**13 of 19**

**New actions activated in FY22 (8):**

- T4: Establish a comprehensive incentives package to help accelerate electric vehicle use.
- T7: Secure resources to implement the existing bicycle network masterplan.
- T8: Evaluate infrastructure to enable city policy on micro mobility services to be distributed equitably.
- T9: Increase bus service across the city by adding new routes, shortening headways, and overall increasing service reliability and customer experience.

**27 milestones by Aviation, Bond Office, Convention Center, Fleet, Housing, Planning & Urban Design, Dallas Water Utilities Transportation & OEQS**





## Goal 3: Dallas' communities have access to sustainable, affordable transportation options. (cont'd)



13 of 19

- T10: Adopt a target corridor, district, or city-wide mode split goals to help reinforce policies aimed at reducing single-occupancy vehicle use.
- T12: Expand upon the DART transit-oriented development (TOD) guidelines to collaborate on a new proactive TOD and housing strategy with DART.
- 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.
- T19: Encourage businesses, commercial entities, and institutions to electrify fleet, including, but not limited to local and regional delivery trucks and other heavier vehicles.

27 milestones by Aviation, Bond Office, Convention Center, Fleet, Housing, Planning & Urban Design, Dallas Water Utilities Transportation & OEQS







## FY21-22 Highlights: Transportation



- **City Initiatives**

- Continue to align Forward Dallas with the Strategic Mobility Plan and CECAP goals
- Continue fleet electrification with NREL
- Update the 2011 Dallas Bike Plan and add 18+ bike lane miles; include considerations for micro-mobility technologies
- Continue to install publicly available EV charging stations

- **Reduce Single Occupant Vehicle Trips**

- Work towards NCTCOG 20% SOV reduction goals
- Revise parking code amendment that supports mode-split goals and land use strategies





## Goal 4: Dallas is a zero waste community.



**Total actions underway: 7 of 9**

07 of  
09

**New actions activated in FY22 (2):**

- SW4: Explore potential for electric waste collection trucks.
- SW6: Expand efforts to reduce illegal dumping by implementing recommendations identified in the “Litter and Illegal Dumping Assessment Study.”

**22 milestones by Code Compliance, Convention Center,  
Procurement, Sanitation, Parks, & OEQS**





## FY 21-22 Highlights: Zero Waste



- **City Initiatives**
  - Complete Local Solid Waste Management Plan update
  - Launch the Sustainable Procurement Working Group's inaugural year workplan
- **Outreach and Education**
  - Reduce illegal dumping
  - Community Trash Off events, BOPA collection
- **Landfill Diversion**
  - **Bulk and brush pilot (6 areas) to explore brush diversion**
  - **Compost pilot**







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



**Total actions underway: 14 of 15**

14 of 15

### **New actions activated in FY22 (3):**

- WR10: Evaluate policies affecting drainage and erosion to ensure sustainable development and mitigate adverse impacts.
- WR13: Evaluate new technologies to lower nutrient releases into the Trinity Watershed from wastewater treatment plants and incorporate as appropriate.
- WR14: Evaluate new or improved operational strategies and technologies to optimize the use of chemicals and reduce energy usage at water and wastewater treatment facilities.

58 milestones primarily by Dallas Water Utilities, with Convention Center, & OEQS





## FY 21-22 Highlights: Water Resources



- **Outreach and Education**

- Continue programs including water conservation, leak detection, water-wise landscaping
- Continue local and regional awareness campaigns
- Irrigation system evaluations

- **Infrastructure Resiliency**

- Continue major drainage infrastructure projects
- Continue the Storm Drainage System Assessment and planning process
- Continue implementing Drought Contingency Plan
- Continue emergency planning to protect & maintain services of key water infrastructure in the event of extreme weather events

- **Water Quality**

- Continue water quality monitoring and protection
- Continue monitoring for emerging contaminants





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



7 of 9

**Total actions underway: 7 of 9**

**New actions activated in FY22 (2):**

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

52 milestones by Dallas Water Utilities, Convention Center, Development Services, Public Works, Planning & Urban Development, & OEQS







# FY21-22 Highlights: Ecosystems & Green Space



- **Green Infrastructure**

- Assess opportunities for blue-green infrastructure to reduce flood risks (Partnership with The Nature Conservancy)
- Greening factor as part of parking code amendment
- Nature-based solutions to address public health challenges (i.e., Cool Schools Program)

- **Outreach and Education**

- **Continue to promote tree-planting efforts, protect trees & prairies, and promote drought-tolerant landscapes**
- Restore Branch-Out Dallas Program

- **Urban Forest Master Plan Implementation**

- Initiate Tree inventory
- **Initiate Emerald Ash Borer Plan**
- Identify and designate trees under Article X Historic Tree Status

- **City Initiatives**

- Update Parks O&M procedures to include eco-friendly practices
- **Explore landscape equipment policy**





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



9 of 14

### Total actions underway: 9 of 14

**New actions activated in FY22 (4):** FA4: Facilitate partnerships between schools and nonprofits to develop neighborhood-based growing initiatives and kitchen gardens in neighborhoods with low food access.

- FA6: Partner with transportation organizations to identify creative transportation solutions to access healthy food retailers in neighborhoods with low food access.
- FA7: Partner with supermarkets, food retailers and other supporting organizations to bring mobile grocery stores to neighborhoods with low food access.
- FA13: Collaborate with organizations that are working to divert surplus food from grocery stores and markets to reach communities in need.

26 milestones by Economic Development, Convention Center, Procurement, & OEQS





# FY 21-22 Highlights: Food/Urban Agriculture



- **Food & Urban Agriculture Plan**
  - Continue Food Advisory Council
  - Continue work on Food & Urban Agriculture Plan
  - **Evaluate and develop a plan to remove barriers to growing local food for personal consumption or economic development**
- **Outreach and Education**
  - Provide information on local healthy food
- **Food Security – (City Equity Plan Action)**
  - Continue Supporting Healthy Dallas Food Initiative
  - **Support existing systems related to transportation and food access**
  - Develop Food Waste Pilot Program







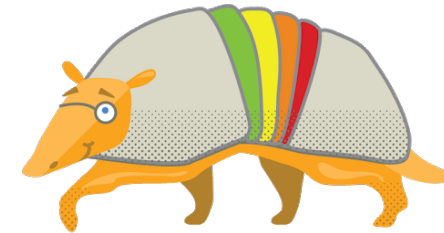
## Goal 8: All Dallas' communities breathe clean air.



4 of 4

**Total actions underway: 4 of 4**  
**New actions activated in FY22: 0**

All Air Quality actions have been activated and will be continued towards meeting the overall Targets of attaining National Ambient Air Quality Criteria Compliance



**11 milestones by Planning & Design,  
Transportation & OEQS**





# FY 21-22 Highlights: Air Quality



- **Outreach and Education**

- Continue to support NCTCOG Air North Texas Program and Clean Air Action Day

- **Regulatory Air Monitoring**

- Work with TCEQ to expand network

- **Non-Regulatory Air Monitoring**

- Expand network by implementing 2 grant programs
  - Expand data platform

- **Environmental Justice**

- Continue work to expand strategies to address situations with inequitable industrial proximity to residential land use



*Air Quality monitor installation at Exline Recreation Center*



# Anticipated Policy Discussions



- Many of the actions coming out of the CECAP and related planning documents will engender policy considerations by the City Council
- Anticipated policy coming forward in FY 21-22 may include, but is not limited to:
  - Update to Green Building Policy towards Net Zero Construction
  - Building Code Updates
  - Development Code updates relative to Parking Requirements and Site Greening Factors
  - Fleet Conversion
  - Polic(ies) concerning Siting and Implementation of Solar Photovoltaics





# Adaptive Management



Photo Credit: Dallas Morning News

- The GHG inventory will be updated every 3 years and will be a key indicator of the success of CECAP.
- OEQS climate staff have begun updating the greenhouse gas (GHG) inventory using data from 2019.
- This will allow an assessment of where the City currently stands, guide future planning, and identify any necessary CECAP plan updates.

# Performance Measure: 92% FY Milestones Implemented



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DALLAS  
365

Dedicated to "Service First"

The City of Dallas is committed to providing excellent service 24 hours a day, 7 days a week, 365 days a year. The Dallas 365 dashboard tracks our progress on 35 performance measures aligned to the City's six strategic priorities. Discover Dallas' story below, and stop by monthly to see the latest data.



# CECAP Performance Dashboard



Detailed tracking will  
continue at  
[DallasClimateAction.com](http://DallasClimateAction.com)

## CECAP YEAR ONE DASHBOARD


CLICK THE "MORE" BUTTON TO LEARN MORE ABOUT OUR PROGRESS BY SECTOR



Dallas' buildings are  
energy efficient and  
climate resilient.

OBJECTIVES>

MORE ON BUILDINGS



Dallas generates renewable,  
reliable, and affordable  
energy.

OBJECTIVES>

MORE ON ENERGY

### MEASURABLE OUTCOMES

- NET ZERO ENERGY NEW CONSTRUCTION
- ENERGY USE IN EXISTING RESIDENTIAL BUILDINGS.
- SOLAR POWER INSTALLED
- RENEWABLE ELECTRICITY PLANS
- PUBLICLY AVAILABLE EV CHARGERS
- ELECTRIC FLEETS
- SINGLE OCCUPANT VEHICLE TRAVEL MODE SHIFT
- ORGANIC WASTE
- PAPER WASTE





# Communication



## Social Media and Marketing Plan

- Staff will develop and implement a social media and marketing plan for ongoing CECAP communication
- DallasClimateAction.com website will be continually improved and optimized for mobile users
- Messaging will be tailored to target audiences including individuals, neighborhoods, businesses, and other entities

## Regional Messaging


- City staff will work with the North Central Texas Council of Governments to develop regional messaging related to climate change in North Texas

Current Air Quality Index



# DALLAS CLIMATE ACTION

YOUR CONNECTION TO THE CITY OF DALLAS  
COMPREHENSIVE ENVIRONMENTAL & CLIMATE ACTION PLAN



## A Statement from the Mayor

*On Climate Change:*  
"Dallas is a healthy, safe and economically vibrant city. But to be a truly resilient city, Dallas must prepare for the effects of climate change. I want Dallas to continue to be a leader in



# CECAP FY 21-22 Budget Line Items



CECAP Sector/Action	Program	Council Appropriation	Lead Department
Air Quality/AQ2	Neighborhood AQ Monitors (ARPA)	\$ 1,000,000	OEQS
Buildings/ B4	Weatherization Pilot	\$ 400,000	OEQS
Energy/ E7	City Facility Solar Pilot (1/2 of 2 yr program)	\$ 500,000	BSD
Urban Ag/ FA1	Urban Ag Pilot Project - Increase Access	\$ 200,000	OEQS
Urban Green/ EG4	Branch-out Dallas	\$ 72,000	DWU
Energy/ E1	MGT - CECAP funding (develop priorities for energy goals: Solar Siting Evaluation/ Solar environmental BMPs; EV Charging Infrastructure)	\$ 500,000	OEQS
Energy / E2, E6	MGT - Community Solar Funding	\$ 250,000	OEQS
Transportation T7	Bike Plan Implementation	\$ 2,000,000	TRN
Transportation T10	Pilot Alley Trails (ARPA)	\$ 8,800,000	PBW
Transportation T10	Sidewalk Master Plan Implementation	\$ 5,000,000	PBW
Transportation T16	LED Street Lighting Improvements (1/2 of 2 year program)	\$ 2,500,000	OIPSS/TRN
		<b>\$ 21,222,000</b>	

# Sustainable Procurement FY22 Workplan



**City of Dallas**

## Environment & Sustainability Committee

Chhunmy Chhean, Director  
Office of Procurement  
Services



# More Information on Sustainable Procurement



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

## FY21 Milestones

Conduct goods and services purchasing study  
Implement voluntary green procurement pilot



## FY 22 Milestones

Launch the Sustainable Procurement Working Group's inaugural year workplan.  
As part of the workplan, update the City's Environmentally Preferred Products list for use in the City's purchase of goods  
As part of the workplan, develop a total cost of ownership (TOC) model for use in analyzing the cost of a good or service



# Sustainable Procurement Workplan for FY22



- CECAP called for development and passage of a sustainable procurement policy.
- The City Council passed the Sustainable Procurement Policy in May 2021.
- The Policy incorporates social, economic, and environmental factors in procurement.
- The Policy requires formation of a Working Group (Eco, Equity, Environmental Quality and Sustainability)
- The Policy requires City staff to brief a Council committee with its workplan each fiscal year and then report on the efforts of that workplan at the end of the fiscal year including incorporating the cost of going sustainable.



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# Sustainable Procurement Workplan for FY22



1. Update AD4-5 and Procurement website to reference the Sustainable Procurement Policy.
2. Update the City's Environmentally Preferred Products List to incorporate by reference the EPA's [EPP](#).
3. Host education programs for the supplier community on how to identify human trafficking.
4. Host nonprofit outreach events to publicize ARPA-funded programs.
5. Include total cost of ownership for goods (to include disposal costs).



# Sustainable Procurement Workplan for FY22



6. Amend concession contracts to ban the use of polystyrene and single-use plastics, and plastic bottles through a phased approach in consultation with departments and concessionaires.

7. Implement TCEQ's new Buy Recycled rule requiring preference of recycled materials as long as it does not exceed 10% in cost compared to nonrecycled product.



# Sustainable Procurement Workplan for FY22



8. Work with Eco and the Small Business Center to award points to encourage consideration of job quality into specific procurements, e.g., more points for suppliers who offer paid time off.

9. Work with OEQS to award points for furthering CECAP milestones.







## 10. Upgrade Specific Procurements

- A) Civilian uniforms—require supply chain detail to list origin of materials and labor to ensure it does not include materials from a country identified by the DOL as using child/ forced labor.
- B) Vending machines Sell healthy foods and ban plastic bottles and only allow aluminum cans and glass.
- C) Implement the sustainable food for city-sponsored events pilot program (continuing from a CECAP milestone from FY21).



# Sustainable Procurement Workplan for FY22



- D) Grounds maintenance: encourage native plants and break up contract into smaller groups to maximize award opportunities.
- E) Promotional items: encourage local sourcing and use of recycled materials.
- F) Printing agreement –incorporate TCEQ's Buy Recycled rule and prefer use of non-toxic dyes.





Questions?





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