



**City of Dallas**

# **CECAP Annual Update**

**Environment & Sustainability  
Committee  
May 3, 2021**

Susan Alvarez,  
Assistant Director  
Office of Environmental  
Quality & Sustainability

# Presentation Overview



- FY20-21 Work Plan
- Progress Report
- Highlights per Sector
- Collaboration & Engagement
- Next Steps



# FY20-21 Implementation Work Plan



- Based on input from 19 City departments
- Focused on building capacity
- Presented to ENVS Committee in November 2020
- Included 136 milestones derived from 48 CECAP actions

## COMPREHENSIVE ENVIRONMENTAL AND CLIMATE ACTION PLAN



### IMPLEMENTATION WORK PLAN FY 20-21

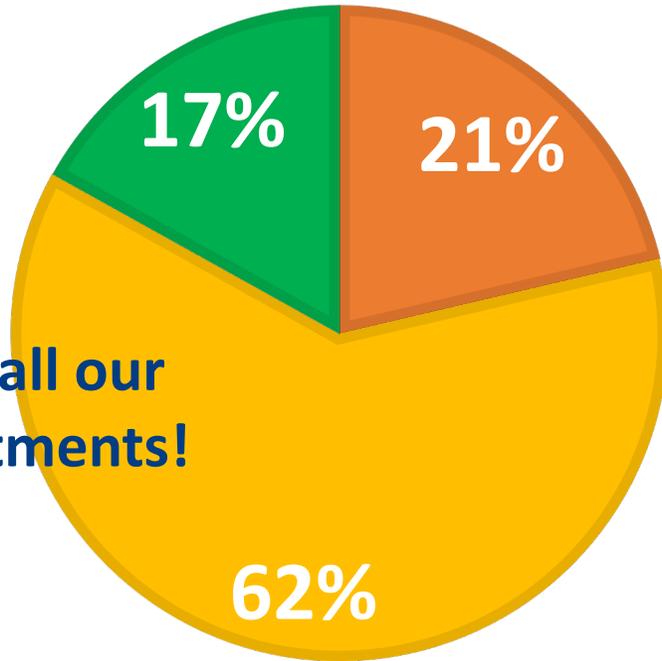
BY OFFICE OF ENVIRONMENTAL QUALITY & SUSTAINABILITY  
WITH ENVIRONMENT & SUSTAINABILITY TASK FORCE AND  
LEADING ENVIRONMENTAL ACTION FORWARD

NOVEMBER 2, 2020



# Progress Report: Milestones

## FY20-21 MILESTONE PROGRESS



■ Not started   
 ■ In Progress   
 ■ Complete

Thank you to all our partner departments!



# CECAP Q2 UPDATE

January 2021-March 2021



**TOTAL MILESTONES: 136**

**COMPLETE 17%**

**IN PROGRESS 62%**

**NOT STARTED 21%**

### BUILDINGS (16)

**COMPLETE 25%**  
**IN PROGRESS 75%**  
**NOT STARTED 0%**

### WATER CONSERVATION (26)

**COMPLETE 19%**  
**IN PROGRESS 81%**  
**NOT STARTED 0%**

### ENERGY (16)

**COMPLETE 6%**  
**IN PROGRESS 44%**  
**NOT STARTED 50%**

### ECOSYSTEMS (17)

**COMPLETE 12%**  
**IN PROGRESS 71%**  
**NOT STARTED 18%**

### TRANSPORTATION (24)

**COMPLETE 13%**  
**IN PROGRESS 58%**  
**NOT STARTED 29%**

### FOOD SECURITY (17)

**COMPLETE 12%**  
**IN PROGRESS 41%**  
**NOT STARTED 47%**

### ZERO WASTE (10)

**COMPLETE 20%**  
**IN PROGRESS 60%**  
**NOT STARTED 20%**

### AIR QUALITY (10)

**COMPLETE 40%**  
**IN PROGRESS 50%**  
**NOT STARTED 10%**

Follow our progress at [dallasclimateaction.com](https://dallasclimateaction.com)

# Targets\*

*\*Overall target is 43% reduction in Greenhouse Gas emissions by 2030*

*2019 Year GHG Inventory Underway*



## DALLAS' BUILDINGS ARE ENERGY-EFFICIENT AND CLIMATE RESILIENT.

Increase energy efficiency of existing buildings or facilities.

Ensure that new buildings are constructed sustainably and are carbon neutral.

Increase climate resilience for new and existing buildings through structural and operational improvements.



## DALLAS PROTECTS ITS WATER RESOURCES AND ITS COMMUNITIES FROM FLOODING AND DROUGHT.

Conserve and protect our water resources through community stewardship, educational programs and best management practices.

Protect neighborhoods from flooding and prepare them for droughts.

Be a regional leader in water resilience by leveraging innovative approaches, strategies and technologies.



## DALLAS GENERATES AND USES RENEWABLE, RELIABLE, AND AFFORDABLE ENERGY.

Maintain a high degree of reliability during extreme weather events.

Encourage investment in, and greater use of, renewable energy.

Ensure affordable access to renewable electricity.



## DALLAS PROTECTS AND ENHANCES ITS ECOSYSTEMS, TREES AND GREEN SPACES THAT IN TURN IMPROVE PUBLIC HEALTH.

Leverage green spaces to provide climate adaptation benefits.

Increase, enhance and maintain healthy forests, parks, and green spaces.

Integrate nature-based solutions into the public realm as a public health strategy.



## DALLAS' COMMUNITIES HAVE ACCESS TO SUSTAINABLE, AFFORDABLE TRANSPORTATION OPTIONS.

Shift the surface transportation system to move people and goods in fuel-efficient vehicles.

Reduce trips where people drive alone.

Synergize jobs and housing with transportation infrastructure to increase access to walking and biking options, and public transit.

Ensure that walking, biking, public transit, vehicular transportation infrastructure is reliable and safe under all weather conditions.



## ALL DALLAS' COMMUNITIES HAVE ACCESS TO HEALTHY, LOCAL FOOD.

Build organizational capacity and partnerships around an urban agriculture network.

Improve food access in neighborhoods with low food access.

Reduce food miles by encouraging local food production and consumption.

Prepare the food system to be more resilient to extreme weather events.

Prevent food waste through food donations, recovery, diversion and composting.



## DALLAS IS A ZERO WASTE COMMUNITY.

Create opportunities to go beyond recycling and choose to refuse, reduce, reuse and repair.

Operate a clean, green and efficient waste system.

Generate energy from organics.



## ALL DALLAS' COMMUNITIES BREATHE CLEAN AIR.

Take a comprehensive approach to addressing air quality at the neighborhood level.

Increase energy efficiency of existing buildings or facilities.

Reduce trips where people drive alone.

Synergize jobs and housing with transportation infrastructure to increase access to walking and biking options, and public transit.

Increase, enhance and maintain healthy forests, parks, and green spaces, that improve air quality.

Operate a clean, green and efficient waste system.





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

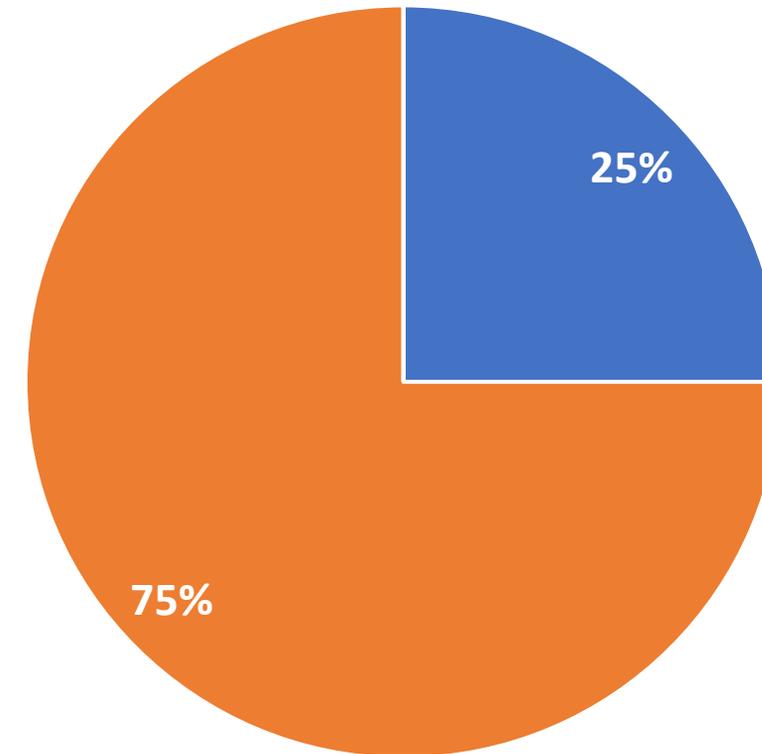


# Progress Report: Buildings Sector Update



- Create an energy management system for City facilities
- Airport Carbon Accreditation Programs
- Engage in regional building code updates
- Identify City facilities for resilience hubs
- Collaboration with SMU on weatherization and efficiency improvements

Buildings  
FY20-21 Progress of 4/1/21  
16 Milestones



■ Complete ■ In Progress ■ Not Started

# Progress Report: Building Sector Highlights



Vickery Park Branch Library – 43+ KW Solar

- Energy Management System for City facilities - Underway
- Evaluation of City Facilities for Resilient Hubs:
  - Explore Tier IV Generators versus of Solar Generation +Battery Storage?
- NCTCOG & City staff reviewing local updates re: 2021 International Building Code



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

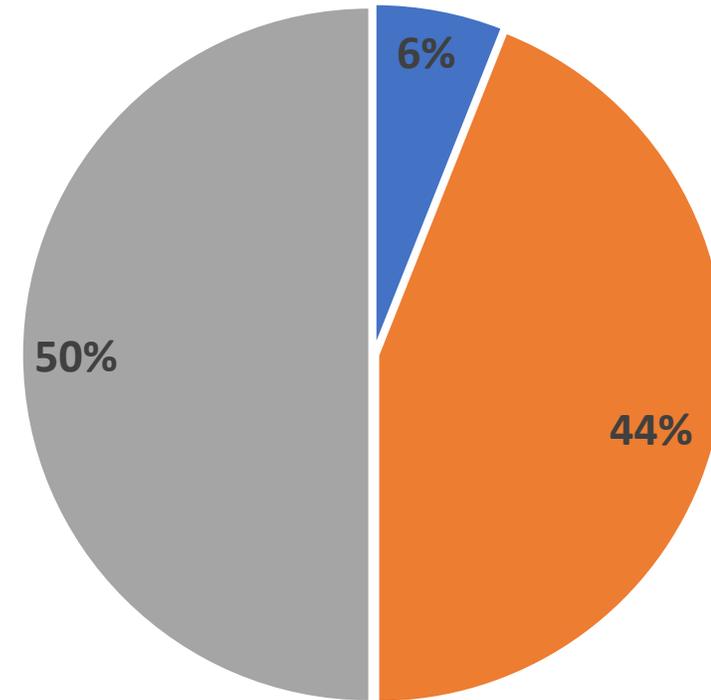


# Progress Report: Energy Sector Update



- Extend partnerships to promote renewable energy adoption
- Continue implementing Dallas Green Energy Policy for city facilities
- Advocate for renewable energy policy at state and federal levels
- Evaluate renewable energy hubs
- Continue partnership education on renewable energy options

Energy  
FY20-21 Progress of 4/1/21  
16 Milestones



■ Complete ■ In Progress ■ Not Started



# Progress Report: Energy Sector Highlights



## Community Solar Program

- NCSP Technical Assistance Grant (complete)
- Deepwood Landfill Solar Farm RFCSP (eta May 2021)
- Dallas Community Solar Initiative with Housing : St. Philip's School & Community Center /Other locations tbd

## Energy Management System for City facilities

- City Facility Energy Audits
- Evaluation of City Facilities for Resilient Hubs





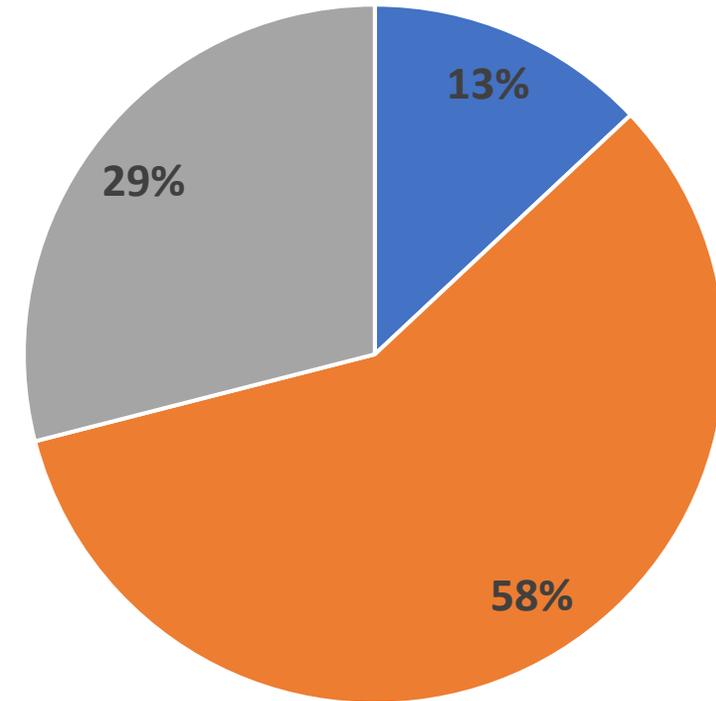
**Goal 3: Dallas communities have access to sustainable, affordable, transportation options.**

# FY20-21 Key Projects:



- Fleet electrification
- Support and expand travel demand strategies
- Continue work on transit between super commuting cities
- Adopt parking ordinance to support mode split goals & transit-oriented development
- Conversion of streetlights and traffic lights to LEDs

FY20-21 Progress of 4/1/21  
24 Milestones



■ Complete ■ In Progress ■ Not Started



# Progress Report: Transportation Sector Highlights



- City Fleet Electrification Study
- EV Charging study
- Connect Dallas (Strategic Mobility Plan)
- Update Comprehensive Landuse Plan (AKA Forward Dallas)
- Texas High Speed Rail continues
- Parking recommendations (underway)
- Conversion of streetlights and traffic lights to LEDs (underway)





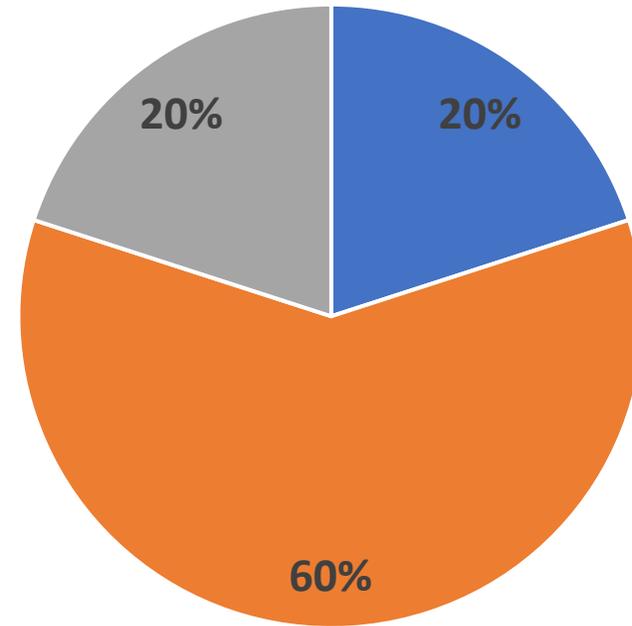
Goal 4: Dallas is a zero waste community.

# Progress Report: Waste Management Sector Update



- Green Procurement program
- Update to Local Solid Waste Management Plan
- Improve collection efficiency
- Take-a-Peek audits to educate customers on the recycling program

Zero Waste  
FY20-21 Progress of 4/1/21  
10 Milestones



■ Complete   ■ In Progress   ■ Not Started



An aerial photograph showing a wide, muddy-brown river winding through a vast, dense forest of green trees. The forest extends to the horizon under a cloudy sky. The river is the central focus, curving from the upper left towards the lower right.

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

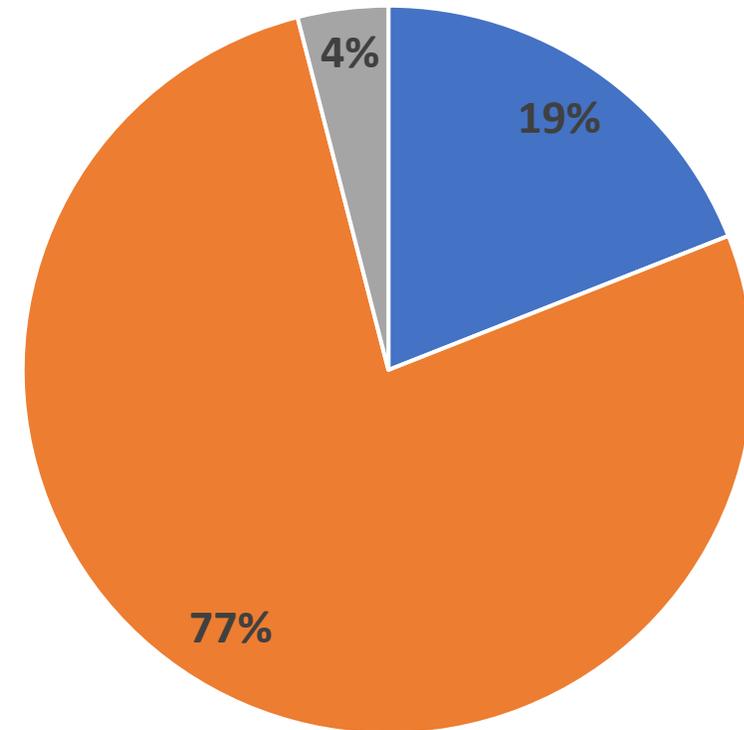
# Progress Report: Water Sector Update



- Continue public awareness campaigns to increase water conservation knowledge
- Continue leak detection programs
- Encourage drought tolerant landscaping
- Continue water infrastructure projects
- Continue water quality monitoring



Water  
FY20-21 Progress of 4/1/21  
26 Milestones



■ Complete ■ In Progress ■ Not Started



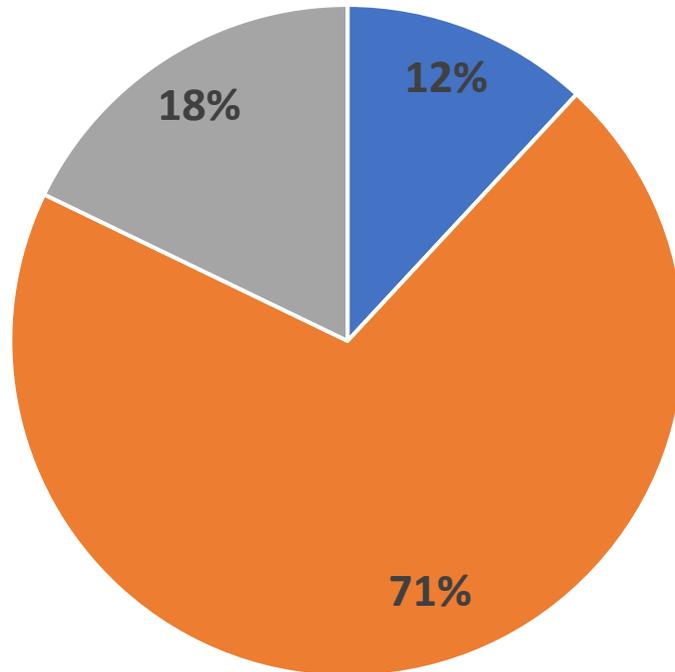


Goal 6: Dallas protects and enhances its ecosystems, trees, and green spaces that in turn improve public health.

# Progress Report: Ecosystems/ Green Space Update



Ecosystems/Green Space  
FY20-21 Progress of 4/1/21  
17 Milestones



■ Complete ■ In Progress ■ Not Started

- Adopt Urban Forest Master Plan
- Continue existing tree outreach programs
- Update city park O&M to include eco-friendly and sustainable practices
- Assess opportunities for blue-green-gray infrastructure
- Support public-private partnerships using nature-based solutions

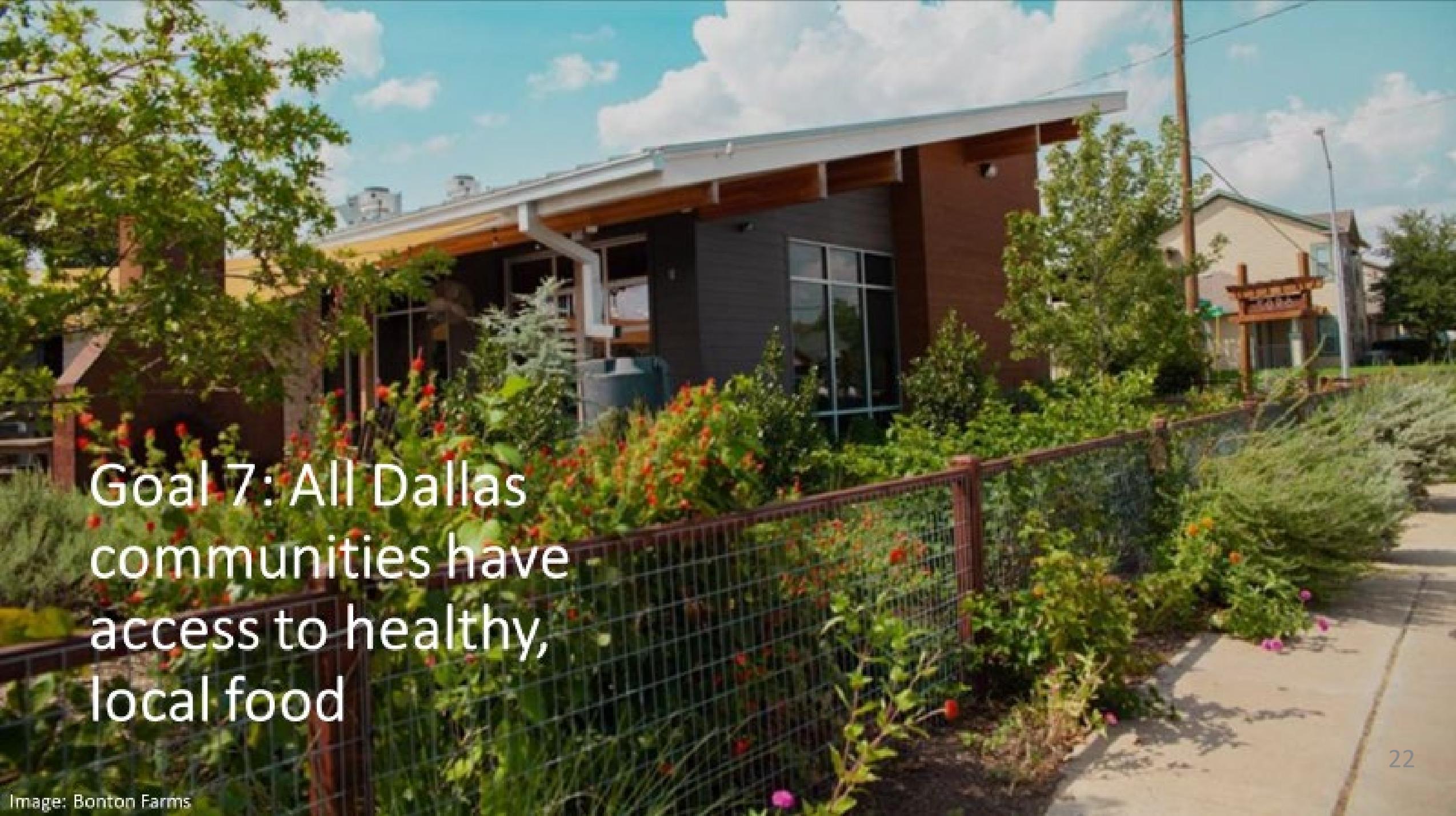


# Progress Report: Urban Ecosystems/Green Spaces



- Adopt Urban Forest Master Plan
- Complete Green Stormwater Infrastructure Study with The Nature Conservancy
- Pilot green O&M practices in City Parks
- Work with the Texas Trees Foundation & others to plant trees in City parks





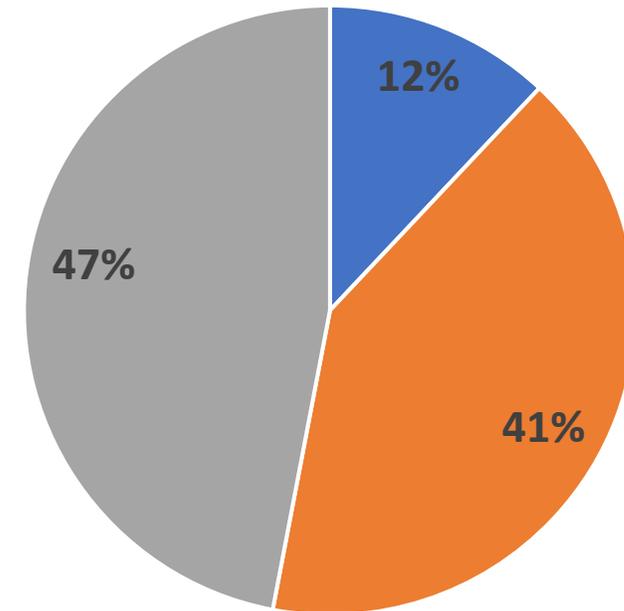
Goal 7: All Dallas communities have access to healthy, local food

# Progress Report: Food/Urban Agriculture Update



- Increase access to healthy local foods
- Create Food Advisory Council
- Develop Comprehensive Food and Urban Agriculture Plan
- Adopt special events ordinance/ Local food procurement plan

Urban Agriculture  
FY20-21 Progress of 4/1/21  
17 Milestones



■ Complete ■ In Progress ■ Not Started



Big Tex Urban Farms  
Image Source: Dallas Morning News (Nathan Hunsinger / Staff Photographer)



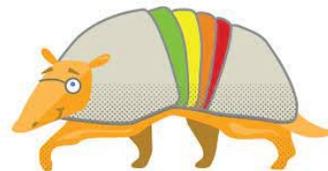


Goal 8: All Dallas communities breathe clean air

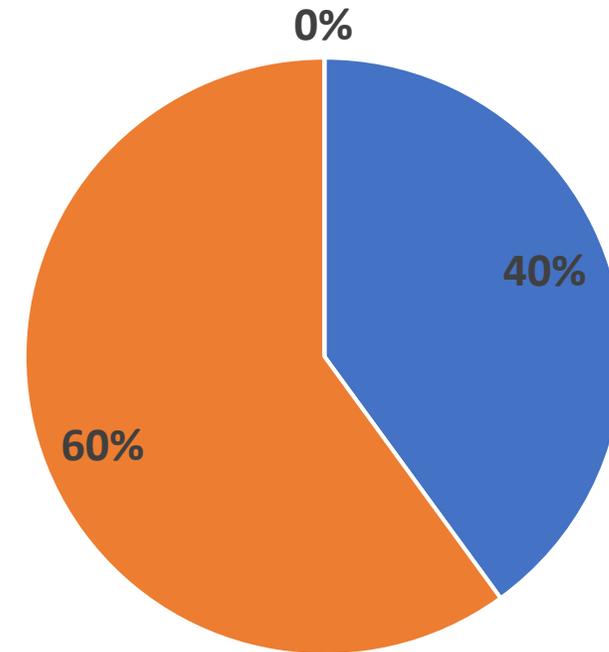
# Air Quality Update



- Work with the TCEQ to site and install a new regulatory monitor
- Partner with nonprofits to implement non-regulatory air monitors
- Continue efforts with Air North Texas to raise public air quality awareness
- Ensure new industries are an appropriate distances away from neighborhoods



Air Quality  
FY20-21 Progress of 4/1/21  
10 Milestones



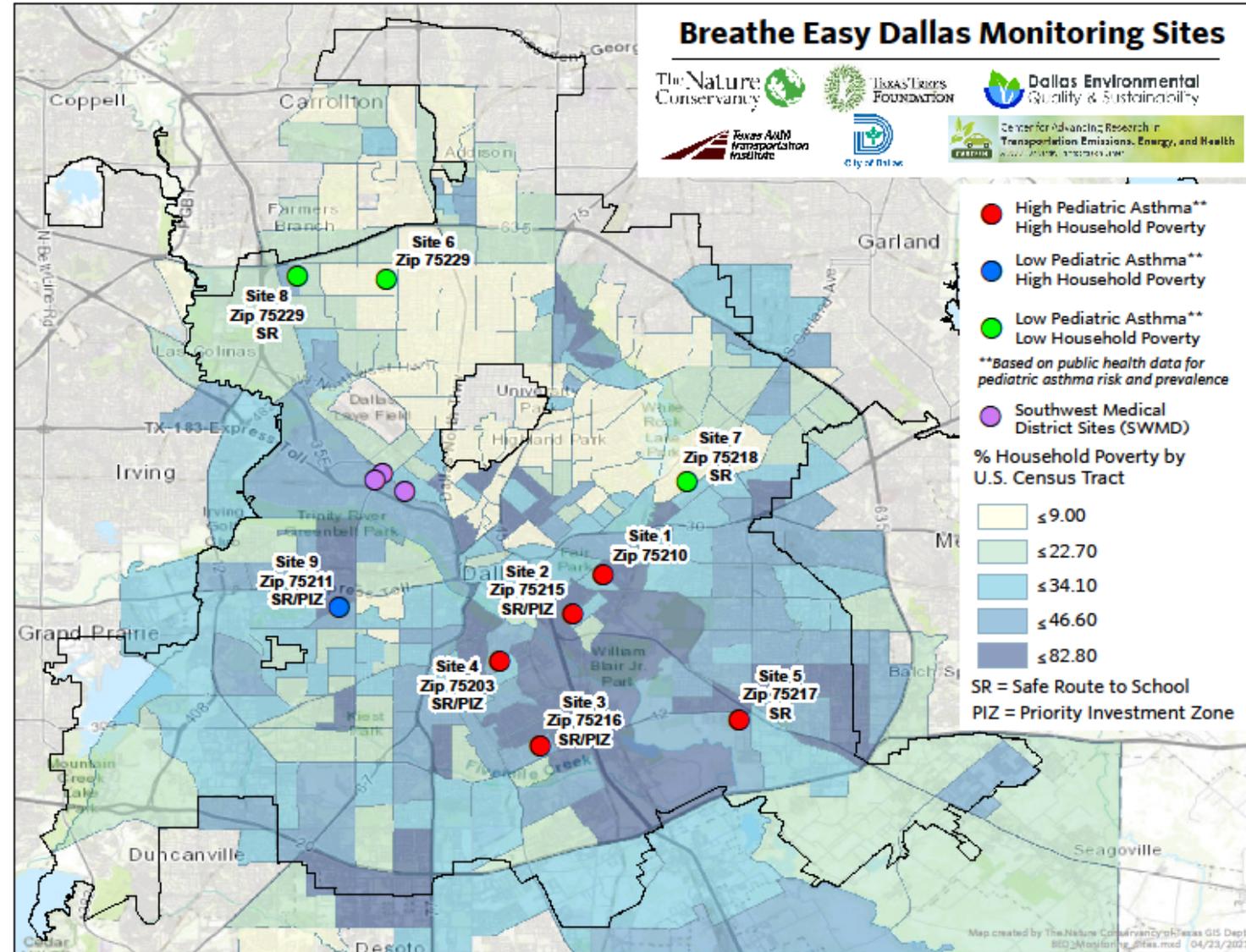
■ Complete ■ In Progress ■ Not Started



# Progress Report: Air Quality Sector Highlights



- **Breathe Easy Dallas:** Install non-regulatory monitors in neighborhoods based upon public health and other data
- Work with TCEQ to install an additional air monitoring station



# Collaboration & Engagement



**EAS Task Force**



**Environmental Commission**



# Collaboration & Engagement



19

City departments engaged via four LEAF meetings and ongoing communication

9

Environment & Sustainability Task Force Meetings

~200

Public presentations



# Other Related Accomplishments



- **World Economic Forum - 1 Trillion Trees Initiative**
- **Bird City, USA**
- **We're Still In/ U.S. Conference of Climate Mayors**
- **Carbon Disclosure Project City Scorecard**



# Other Program Accomplishments



- Fair Park Brownfields Assessment
- Lane Plating Community Advisory Group
- Blue Star Site Settlement and Cleanup
- Old Fish Hatchery at White Rock Lake Restoration



# Next Steps



- Continue to Implement FY 20-21 Work Plan
- Working with EAS Task Force to develop FY21-22 Work Plan
- Working to identify and attain funding for implementation
- Work with EAS Task Force and ENVS Committee on nominations for Environmental Commission and technical panel
- Continue to track performance





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