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2020 JULY 31 AM 10: 01
CITY SECRETARY
DALLAS, TEXAS

City of Dallas

1500 Marilla Street, Room 6ES
Dallas, Texas 75201

Public Notice

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POSTED CITY SECRETARY
DALLAS, TX



Environment and Sustainability Committee

August 3, 2020
10:15 AM

The Environment and Sustainability Committee meeting will be held by videoconference. The meeting will be broadcast live on Spectrum Cable Channel 95 and online at [bit.ly/cityofdallastv](https://cityofdallas.tv).

The public may also listen to the meeting as an attendee at the following videoconference link:
<https://dallascityhall.webex.com/dallascityhall/onstage/g.php?MTID=e1e4441f6442601de61eb38c6885015a8>

2020 CITY COUNCIL APPOINTMENTS

COUNCIL COMMITTEE	
ECONOMIC DEVELOPMENT Atkins (C), Blewett (VC), Gates, McGough, Narvaez, Resendez, West	ENVIRONMENT AND SUSTAINABILITY Narvaez (C), Atkins (VC), Blackmon, Blewett, Gates
GOVERNMENT PERFORMANCE AND FINANCIAL MANAGEMENT Gates (C), Mendelsohn (VC), Arnold, Bazaldua, Kleinman, Narvaez, Thomas	HOUSING AND HOMELESSNESS SOLUTIONS West (C), Thomas (VC), Arnold, Blackmon, Kleinman, Mendelsohn, Resendez
PUBLIC SAFETY McGough (C), Arnold (VC), Bazaldua, Blewett, Medrano, Mendelsohn, Thomas	QUALITY OF LIFE, ARTS, AND CULTURE Arnold (C), Gates (VC), Atkins, Narvaez, West
TRANSPORTATION AND INFRASTRUCTURE Kleinman (C), Medrano, (VC), Atkins, Bazaldua, Blewett, McGough, West	WORKFORCE, EDUCATION, AND EQUITY Thomas (C), Resendez (VC), Blackmon, Kleinman, Medrano
AD HOC JUDICIAL NOMINATING COMMITTEE McGough (C), Blewett, Mendelsohn, Narvaez, West	AD HOC LEGISLATIVE AFFAIRS Johnson (C), Blackmon (VC), Atkins, Gates, Mendelsohn
AD HOC COMMITTEE ON COVID-19 RECOVERY AND ASSISTANCE Thomas (C), Atkins, Blewett, Gates, Mendelsohn, Narvaez, Resendez	

(C) – Chair, (VC) – Vice Chair

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

Call to Order**MINUTES**

- A [20-1447](#) Approval of the June 1, 2020 Environmental and Sustainability Committee Minutes

Attachments: [Minutes](#)

BRIEFING ITEMS

- B [20-1449](#) CECAP Update: New Grants, Alliances & Partnerships
[Sue Alvarez, Assistant Director, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

- C [20-1451](#) Environment and Sustainability Advisory Committee Briefing
[Pharr Andrews, Senior Climate Coordinator, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

- D [20-1453](#) Advancing Solid Waste
[Tim Oliver, Interim Director, Dallas Sanitation Services Department]

Attachments: [Presentation](#)

BRIEFING MEMORANDUM

- E [20-1455](#) Upcoming Agenda Items, August 26, City Council Agenda - TCEQ Air Monitoring Grant Contracts

Attachments: [Memorandum](#)

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]

Environmental and Sustainability Committee Meeting Record

The Quality of Life, Arts & Culture Committee meetings are recorded. Agenda materials are available online at www.dallascityhall.com.

Meeting Date: June 1, 2020

Convened: 9:11 a.m.

Adjourned: 10:40 a.m.

Committee Members Present:

Omar Narvaez, Chair
Tennell Atkins, Vice Chair
Paula Blackmon
David Blewett
Jennifer S. Gates

Committee Members Absent:

Other Council Members Present:

Presenters:

Lori Clark, Program Manager & DFW Clean Cities Coordinator, North Central Texas Council of Governments
Paul White, Senior Program Manager, Office of Environmental Quality & Sustainability
Joey Zapata, Assistant City Manager

AGENDA

Call to Order (9:11 a.m.)

A. Approval of the May 4, 2020 Environmental and Sustainability Committee Minutes

Presenter(s): Omar Narvaez, Chair

Action Taken/Committee Recommendation(s): A motion was made to approve the minutes for the May 4, 2020 Environmental and Sustainability Committee meeting.

Motion made by: Tennell Atkins
Item passed unanimously: X
Item failed unanimously:

Motion seconded by: David Blewett
Item passed on a divided vote:
Item failed on a divided vote:

B. Regional Air Quality Update

Presenter(s): Lori Clark, Program Manager & DFW Clean Cities Coordinator, North Central Texas Council of Governments

Action Taken/Committee Recommendation(s): The Committee discussed: The air quality and ozone in specific locations and emission monitor locations (I-20/Bonnie View). NCTCOG mentioned a recommendation for school placement programs that could include bus barns. If climate change is not mitigated, air quality due to ozone is expected to decrease and the ozone season will be longer.

Motion made by:
Item passed unanimously:
Item failed unanimously:

Motion seconded by:
Item passed on a divided vote:
Item failed on a divided vote:

C. Dallas Air Quality Program Update

Presenter(s): Paul White, Senior Program Manager, Office of Environmental Quality & Sustainability

Action Taken/Committee Recommendation(s): The Committee discussed: Concerns regarding East Dallas monitoring. The process of where the air monitor sites are placed throughout the city and the budget/grant ability to add more monitors to specific areas. Plans to remediate the gap of monitoring in East Dallas and how it could be adjusted due to the upcoming infrastructure development.

Motion made by:

Item passed unanimously:

Item failed unanimously:

Motion seconded by:

Item passed on a divided vote:

Item failed on a divided vote:

D. BRIEFING MEMORANDUM: Implementation of the 2019 Brush and Bulk Ordinance

Presenter(s): Joey Zapata, Assistant City Manager

Action Taken/Committee Recommendation(s): The Committee discussed: The public awareness campaign that will be discussing changes to the brush and bulk program. The process in place for residents who are not compliant with the new rules and how they will be enforced. The Sanitation supervisors examine the area for set outs and work with Code Compliance if there are any violations.

Motion made by:

Item passed unanimously:

Item failed unanimously:

Motion seconded by:

Item passed on a divided vote:

Item failed on a divided vote:

Adjourn (10:40 a.m.)

APPROVED BY:

ATTESTED BY:

Omar Narvaez, Chair
Environment & Sustainability Committee

Juan Garcia, Coordinator
Environment & Sustainability Committee



City of Dallas

CECAP Update: New Grants, Alliances & Partnerships

**Environment & Sustainability
Committee
August 3, 2020**

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

- Provide Information on new programmatic opportunities:
 - Technical Assistance Grants
 - Key Alliance
 - New Partnership



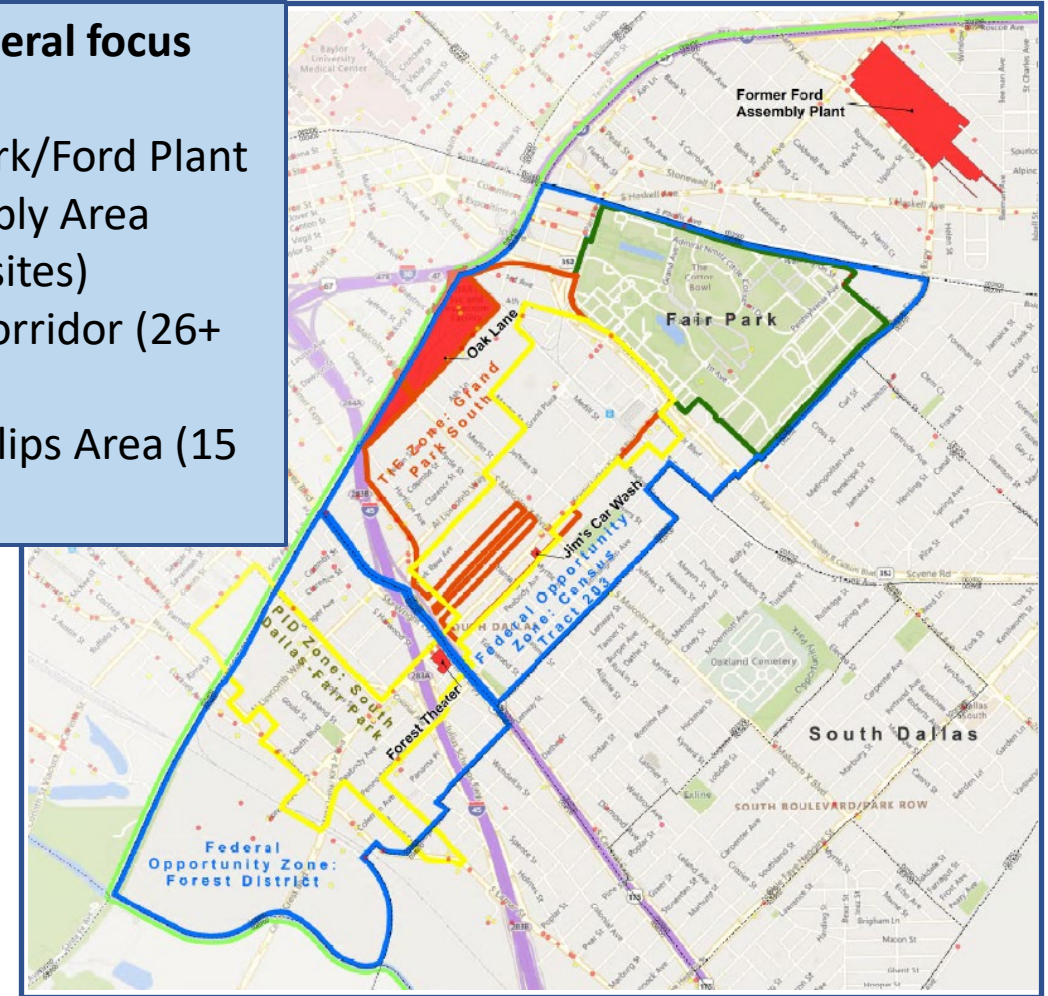
EPA Brownfields Assessment Coalition Grant



- \$600,000 grant for programmatic planning & assessment for redevelopment/revitalization potential
- 3-year grant term: 2020-2023
- Team includes: EPA, Consultant, and Grant Coalition Partners: The Real Estate Council Foundation, St. Philip's School & Community Center, Lone Star Justice Alliance

Three general focus areas:

- Fair Park/Ford Plant Assembly Area (200+ sites)
- MLK Corridor (26+ sites)
- St. Phillips Area (15 sites)



EPA Brownfields Assessment Coalition Grant



Project Goals

- Identify & assess priority sites
- Prepare sites for redevelopment
- Encourage site reuse & revitalization projects

Benefits

- Remove environmental threats
- Increase tax revenues
- Increase access to jobs, housing, open space, commercial/retail, services



Ford Auto Plant



Technical Assistance Grants



U.S. Department of Energy – Solar Energy Technologies Office

Programmatic Goals:

- Make community solar accessible to every U.S. household by 2025
- Ensure community solar is affordable for every U.S. household
- Enable communities to realize supplementary benefits and other value streams from community solar installations



Technical Assistance Grants (1 of 2)



1) Low Income Multi-Family Community Solar Program

- City of Dallas, North Texas Renewable Energy Group (NTREG), Texas Energy Poverty Research Institute and Green Careers Dallas
- Develop program to implement Community Solar for low-income multi-family residences
- Address families experiencing energy poverty, provide training for green jobs, and implement more solar energy



Building & Energy Sectors
Co-benefits: Job Training/ Equity



Technical Assistance Grants (2 of 2)



1) Community Solar Pilot Project

- North Texas Renewable Energy Group (NTREG) Solar Synergy LLC and Green Careers Dallas with City of Dallas
- Develop program to implement Community Solar via solar parking structure pilot project
- Project goals to provide training for green jobs, demonstrate technology viability and implement more solar energy



Energy Sector
Co-benefits: Job Training/ Public Education



International City-Business Climate Alliance



CITY-BUSINESS CLIMATE ALLIANCE

Accelerating climate action
through city-business collaboration



Circular economy

No waste

Cities & Mobility

Clean & connected

Climate & Energy

Net zero

WBCSD work program focused on 6 system transformations

Food & Nature

Healthy people, healthy planet

People

Meeting basic needs of all

Redefining Value

Sustainable capitalism



International City-Business Climate Alliance



PARTICIPATING CITIES

- Three Year Program
- City of Dallas + Dallas Business Community

3 phases:

- Set up phase: needs and maturity assessment, ecosystem mapping, high level roadmap
- Consolidation phase: business plan and agreed commitments/targets with selected business partners
- Project implementation phase from Year 2



COHORT CITIES

DALLAS
DURBAN
LISBON
MANCHESTER
NEW YORK CITY
STOCKHOLM
TEL AVIV
VANCOUVER

FELLOW CITIES / FELLOWS

BOSTON GREEN RIBBON
COMMISSION
HELSINKI SMART & CLEAN
FOUNDATION
LONDON BUSINESS CLIMATE
LEADERS
SAN FRANCISCO'S BUSINESS
COUNCIL ON CLIMATE CHANGE

NETWORK CITIES

BUENOS AIRES
CAMBRIDGE
COVENTRY
FREETOWN
LONG BEACH
MILAN
TSHWANE



International City-Business Climate Alliance



ADAPTABLE BLUEPRINT

STRATEGIC

LEVEL

Mayors and CEOs - Steering committee
City-Business commitments – aligning & increasing targets
Policy dialogue
Joint advocacy

OPERATIONAL

LEVEL

Project Manager(s) with dual reporting line
Year 1: Identify, convene, coordinate, develop goals and set priorities
From Year 2: lead working groups, co-create projects based on CAP, share best practices

Transportation

Buildings

Energy

Waste

Food

Urban Planning

Water

Alliance partner tools and programmes

Project financing and implementation through commercial public-private vehicles

Key Partnership



- Sun Media Network
- 100+/- Solar Powered EV Charging Trailers
- Located at Convenience Stores & Traditional Gas Stations
- Zero-Dollar City Public Information Messaging

NETWORK BENEFITS



Support “green” and renewable energy implementation in your community.



Program updates in real time to ensure your community gets information quickly.



Showcase messages on 75” screens for optimal visibility.



Transportation Sector
Co-benefits: Public Outreach & Education



Pending Grant Opportunities



- EPA - Environmental Justice Communities for Neighborhood Air Quality Monitoring & Outreach
- EPA - Urban Agriculture for Programmatic Assistance
- EPA - Anaerobic Digester Study relative to Food Waste (with NCTCOG)
- Rocky Mountain Institute – CECAP Implementation Programmatic Assistance (with other Texas cities)



BigTex Controlled Environment Farming Operation





City of Dallas

CECAP Update: New Grants, Alliances & Partnerships

**Environment & Sustainability
Committee
August 3, 2020**

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



City of Dallas

Environment and Sustainability Advisory Committee Briefing

**Council Committee on
Environment and Sustainability
August 3, 2020**

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

Presentation Overview



- Background
- Committee Structure
- Selection Process
- Membership
- Roles and Responsibilities
- Next Steps



Background



- City Council unanimously adopted the CECAP on May 27, 2020
- CECAP calls for an advisory body to guide and shape the plan's implementation
- Advisory committee will help develop the permanent commission



SECTION 3: “That the City Manager identify and convene an Environment and Sustainability Advisory Committee, under guidelines established by the City Manager, comprised of professionals and community members to advise on environment, sustainability, and CECAP implementation. The Environment and Sustainability Advisory Committee shall be convened for as long as the City Manager finds that it furthers the purposes of the Environment and Sustainability Committee including implementation of the CECAP.”

(Resolution 20-688)

Process



We are here:

Determining structure and process
for an interim advisory working
group

From the CECAP Resolution
SECTION 4: *“That the City Manager
coordinate with the Environment and
Sustainability Committee regarding the
scope and potential roles of a
permanent board or commission with a
goal of implementation and making
appropriate appointments **between or
around October 1, 2021 and January 1,
2022.**”*



Committee Structure



- Committee will include “*a diverse, inclusive and representative group of professionals and community members to advise on environment, sustainability, and CECAP implementation*”
(Resolution 20-688)
- **15-member** committee should be reflective of the eight CECAP sectors
- Staff recommends selecting representatives from the business community, environmental advocacy, and environmental/public health



Selection Process



- Staff is working with local stakeholders to identify potential members for this interim advisory working group
- Full City Council may also submit names to be included on the potential interim advisory working group list
- Special consideration should be given to candidates who have experience working in any of the following areas:
 - ❖ Building energy efficiency
 - ❖ Renewable energy
 - ❖ Multi-modal transportation
 - ❖ Zero waste
 - ❖ Water resource management
 - ❖ Ecosystem/green space conservation
 - ❖ Urban agriculture/food security
 - ❖ Air quality
 - ❖ Environmental advocacy
 - ❖ Environmental justice
 - ❖ Public health



Selection Process



- Staff will provide the ENVS Committee with a list of potential candidates
- Council Committee members will each nominate two members
- Staff will select remaining five members to ensure committee reflects a wide range of backgrounds, experience, expertise, and diversity



Membership



- Members will be appointed to a two-year term and will be led by:
 - Chair appointed by the Council Committee Chair
 - Vice Chair appointed by the ENVS Committee
- OEQS will provide staff support and CECAP orientation training
- Meeting schedule will be determined by the committee



Roles and Responsibilities



- Serve as interim CECAP advisory working group to the ENVS Committee
 - Monthly briefing via a standing agenda item
- Provide public input for CECAP implementation
- Assist with development of the permanent commission, which will be established by City Ordinance



Next Steps



- Staff have worked with stakeholders to compile a list of potential candidates
- ENVIS Committee members will each select two members by **August 18** to the Committee Chair
- Final selection by City Manager or designee in September
- ENVIS Committee Chair selects Working Group Chair
- ENVIS Committee selects Co-Chair in September





City of Dallas

Environment and Sustainability Advisory Committee Briefing

**Council Committee on
Environment and Sustainability
August 3, 2020**

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



City of Dallas

Advancing Solid Waste

- ***Bulk and Brush - Phase II***
- ***Collections – Safety and Efficiency Improvements***

**Environment and Sustainability
Committee
August 2020**

Tim Oliver, Interim Director
Department of Sanitation Services
City of Dallas

Presentation Overview



- Purpose
- Background/History
- Current Focus Areas
 - Bulk and Brush Collection
 - Collections Advancement Opportunities
 - Automated Collection Options and Obstacles
- Next Steps



- Present Phase II recommendations for further bulk and brush program improvements
- Discuss collections safety and efficiency advancement opportunities; the benefits and challenges
- Receive feedback in order to develop actions for future Council consideration

Background - Sanitation Services

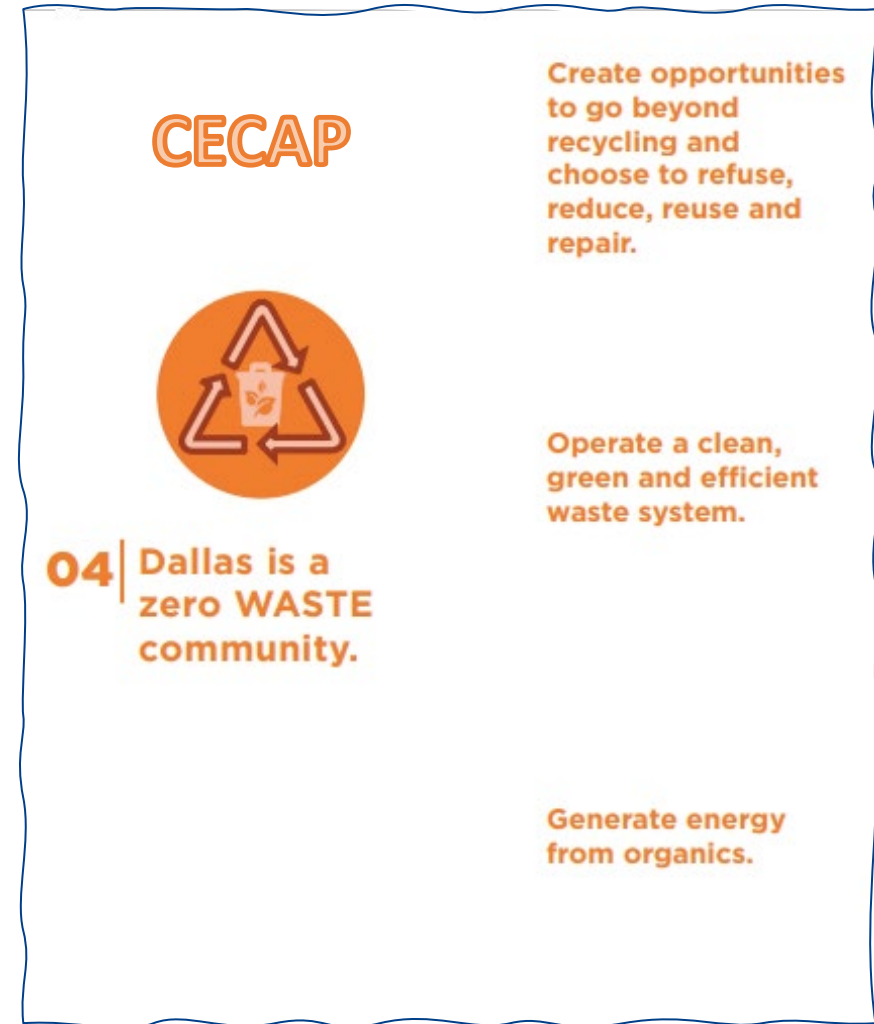


	Sanitation Services	Refuse	Recycling	Bulk and Brush	Transfer Stations and Transfer Fleet Operations	McCommas Bluff Landfill	Special Services	Animal Remains	Waste Diversion
Service Level	244,214 homes	Weekly	Weekly	Monthly	3 Transfer Station and Transfer Fleet	1.99MM tons/year	Cart Repairs/Exchanges City Facility Collections Rut/Damage Crews	Service is performed by DAS. Funded by SAN	Team Led by OEQS
Budget	\$128,813,418	\$31,445,802	\$12,135,233	\$21,778,357	\$8,467,093	\$38,790,213	\$4,941,029	\$472,335	\$2,543,141
Employees	495	89	55	115	51	102	12	5	4
Equipment	565	125	75	173	50	116	15	8	0





- Local Solid Waste Management Plan, LSWMP, often referred to as the zero-waste plan, was approved in 2013 and provides the objective of reaching an 85% diversion rate by 2040
- LSWMP is currently being updated



Background - Bulk and Brush



- On June 12, 2019, the City Council approved an ordinance establishing reasonable limits for bulk and brush collections, and additional regulations related to size and placement
 - Collection limits went into effect July 1, 2020
 - Limits set out to 10 cubic yards
 - Residents may request an oversize collection of up to 20 cubic yards once a year by calling 3-1-1 the week in advance of pickup
 - Ongoing public awareness campaign began in May 2020
 - “Clean Curb” approach



Background – Bulk and Brush



- “Clean Curb” approach
 - All waste on the curb is collected
 - Piles exceeding the 10 cubic yard limit will be collected and documented
 - Piles with items outside of guidelines (construction debris, loose trash) will be collected and documented
 - After a “soft launch” for education and outreach, residents are billed for the excess volume over the limit or prohibited items



Background – Bulk and Brush



- “Clean Curb” Positive Impacts
 - Decrease annual collection volumes by an estimated 20-30 thousand tons
 - Reduce monthly volume spikes
 - Improved collection timeliness
 - Increase in neighborhood cleanliness
- Council requested that following the effective date of the bulk/brush limits in July 2020, recommendations be brought forward to further improve the efficiency of the bulk and brush program along with other collection efficiency suggestions



- Two discussion areas for consideration:
 - ***Part 1:*** Phase II – Bulk and Brush Collections
 - ***Part 2:*** Garbage and Recycling Collection Safety and Efficiency Improvements



Part 1:

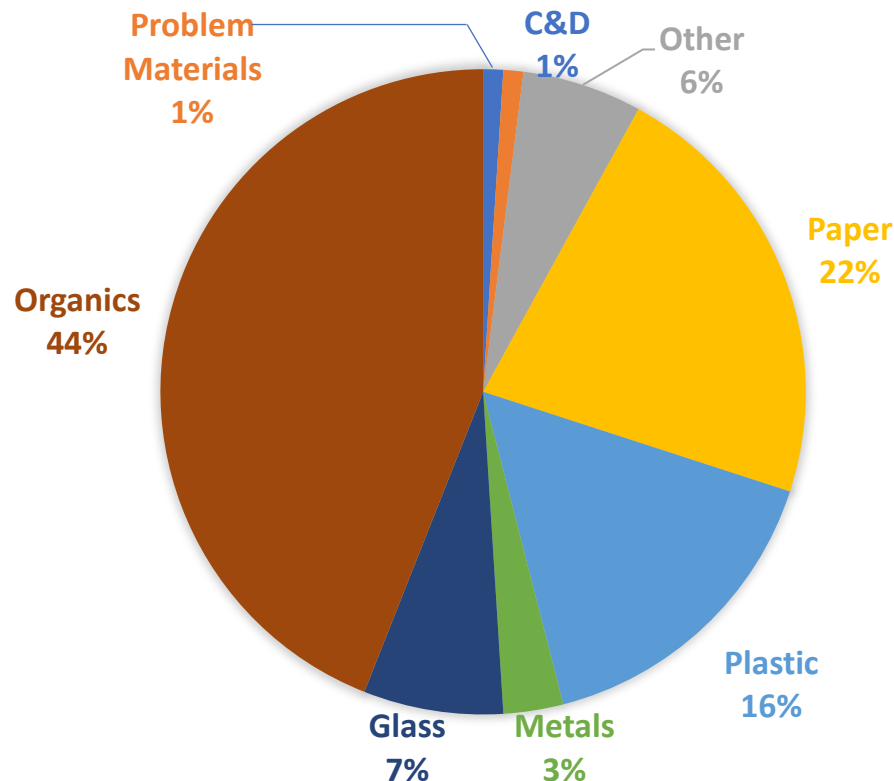
Phase II – Bulk and Brush Collections



Phase II – Bulk and Brush Collections



- Phase I of the Bulk and Brush program updates did not address the separation of bulky trash and brush and/or organic waste



- Greatest opportunity for increased diversion is of organic material
- 2018 Set-out survey demonstrated that 72% setouts contain some brush or yard waste
 - Of this total, over 55% were brush-only setouts and could be easily diverted

**Source: North Central Texas Council of Governments, 2018*



Further Brush and Bulky Trash Collection Improvements



Comparison of Brush and Bulky Trash Collections by City

	Austin ¹	Fort Worth	San Antonio ²	Houston	Dallas
Number of Homes	~193,000	~207,000	~340,000	~380,000	~240,000
Scheduled Bulk	2x/year (restrictions)	Monthly (10 cubic yards)	2x/year (8 cubic yards)	Bi-monthly (8 cubic yards)	Monthly (10 cubic yards)
Scheduled Brush	2x/year (restrictions)	None	2x/year (8 cubic yards)	Bi-monthly (8 cubic yards)	
Scheduled Yard Waste	Weekly	Weekly	None	Weekly	None
On Call	None	None	2x/year (bagged leaves)	None	None
Annual Bulk and Brush Lbs/Home	470 lbs	580 lbs	680 lbs	840 lbs	See Note ³

1. Bulk and brush collection weeks are not always on the same week and not always every 3 months
2. Residents are notified 7-10 days before their bulk or brush collection begins
3. 10 cubic yard limit took effect July 1. Previous estimate was 1,400 lbs.



Further Brush and Bulky Trash Collection Improvements



- Phase II – Alternatives

	Existing System	Scenario 1	Scenario 2	Scenario 3
Yard Trimmings	Monthly	Monthly	Weekly	Every other Month
Large Brush			Twice per year	
Bulky Items		Call-in	Twice per year	Every other Month
SAN Fee impact (est.)/mo.	\$0.00	-\$0.97	-\$1.35	-\$0.76

- All Alternatives include:
 - Current volume limits on bulky items or large brush (10 cubic yards or 20 cubic yards - 1x/year)
 - Require use of bundles or paper/compostable bags for yard trimmings
 - No material collected from private landscapers
 - No collection of construction and demolition debris



Further Brush and Bulky Trash Collection Improvements



- Staff Recommendation

	Existing System	Scenario 1	Scenario 2	Scenario 3
Yard Trimmings	Monthly	Monthly	Weekly	Every other Month
Large Brush			Twice per year	
Bulky Items		Call-in (2x/year)	Twice per year	Every other Month
Sanitation Fee Impact/Month	\$0.00	-\$0.97	-\$1.35	-\$0.76
Annualized SAN Fund/Fee Impact (est.)	\$0.00	\$2,819,247.00	\$3,936,344.00	\$2,231,089.00

- Organics diversion
- Easily utilizes existing equipment and schedule
- Quicker implementation schedule
- Allows for further phases of development





- Challenges to a new program:
 - Need for substantial public outreach and education
 - What level/type of enforcement
 - Development of mulching and/or composting facility
 - Possible public/private partnership
 - If scenario 3 is selected, is brush allowed during bulk only months
 - Possibility of increased litter, illegal dumping, bulky trash violations
 - Development of new community drop off locations and extended transfer station/landfill availability





Part 2: **Garbage and Recycling Collections– Safety and Efficiency Improvements**



Garbage and Recycling Collection Improvements: Current Program



- City crews provide once per week collection of refuse and recycling carts using fully automated side-load collection vehicles and semi-automated rear-load vehicles
- Collections occur both curbside and in alleys

Automated Collection



Rearload Collection



Garbage and Recycling Collection Improvements: Current Program



- Current collection type allocation

	Automated	Rearloader
Route Days	199	301
	39.80%	60.20%

- Collection type comparison

	Automated	Rearloader
Productivity - homes/hour	100 - 140	50-80
Crew	1	2 - 3
Disposal Trips/day	2-3	4-5
Capacity	25-35 yds3	10-20 yds3
Maintenance Cost/hour	~\$19.00	~14.75

- Move to full automated collection would represent \$6.6MM (est.) in annual expense savings





- Automation Benefits

- Safety Improvements
 - Reduction in accidents and worker injuries
 - Improved workers compensation losses
 - Touch-free collections (lessons learned during COVID-19)
- Operational Efficiencies
 - Lower route hours
 - Fewer delays related to personnel
- Opportunities for employee advancements
 - Development of career path opportunities for labor positions
 - Training program for laborers to transition to truck drivers and other skilled labor positions





- Automation Challenges

- Alley Collection

- Currently 44% of collection occur in alleys. By comparison, the City of Austin collects approximately 10% of households in the alley while Fort Worth collects close to 3%

- Alley Collection Impact

- Safety – Due to space constraints, damage to gas meters, fences, yards and approaches occur daily
 - Efficiency – collections in the alley can take up to roughly 2x the time as curbside collection
 - Less space for carts – some alleys have only 8' or less pavement and only 2' alley easement for carts, eliminating the ability for automated trucks to collect from the side of the truck
 - Pavement condition - Narrow, light weight alley pavement does not hold up well to continued use by heavy sanitation vehicles



Garbage and Recycling Collection Improvements: Automation



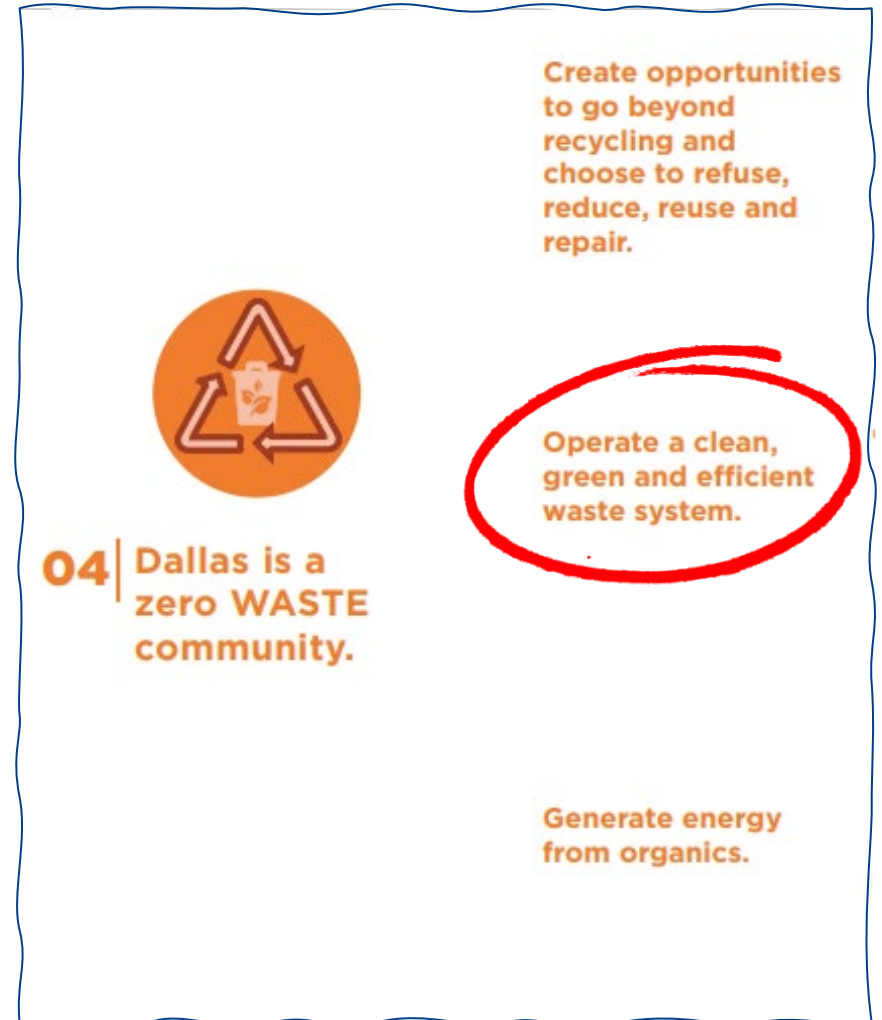
Garbage and Recycling Collection Improvements: Automation





- Staff Recommendations

- Transition to 95% automated collection over the next 2-3 years
- Develop concise alley condition/size requirements to allow for collections in alley with automated equipment
- Produce effective marketing and outreach campaign with adequate time for launch
- Staff a cart relocation crew to assist moving carts to curbside for those in need of assistance
- Offer smaller carts and or helping hand service to those with genuine limitations/ability to pull carts to curb



- Receive Committee feedback and direction
 - Phase II of bulk and brush program
 - Collections safety and efficiency
- Discuss future action and timelines





Advancing Solid Waste

- *Bulk and Brush - Phase II*
- *Collections Safety and Efficiency Improvements*

Environment and Sustainability Committee
August 2020

Tim Oliver, Interim Director
Department of Sanitation Services
City of Dallas



Memorandum



CITY OF DALLAS

DATE August 3, 2020

TO Honorable Members of the Environment and Sustainability Committee

SUBJECT **Upcoming Agenda Items, August 26, City Council Agenda – Texas Commission on Environmental Quality (TCEQ) Air Monitoring Grant Contracts**

The following two items will be considered by the City Council on the August 26, 2020 City Council Agenda:

Renewal of the contract with TCEQ for the Rockwall and Particulate Matter (PM) 2.5 Monitoring Program – Authorize the continued operation and monitoring of the ambient air monitoring station in Rockwall County and air quality monitoring of the PM 2.5 network. The PM 2.5 particles are measured at less than 2.5 microns in diameter, which are small enough to be transported through the upper respiratory causing direct health hazards. This network consists of several samplers located within the City of Dallas. The site in Rockwall County is part of the Dallas/Ft. Worth region's ambient air monitoring network. TCEQ purchased and installed major components of the station and will maintain these components for the facility to be operational. The contract amount is \$96,707.48 for the period September 1, 2020 to August 31, 2021. No matching from the City is required.

Renewal of the contract with TCEQ for the Whole Air Monitoring (Biowatch) – Authorize the continued operation and monitoring of the Whole Air monitoring network in the Dallas area. In turn, TCEQ serves as liaison between the contract awardee and the Department of Homeland Security on matters of BioWatch field operations in the state of Texas. This program was established in 2003 to help provide early warning of a bioterrorist attack. This early warning helps decision makers plan an effective, coordinated, and rapid response. The work requires daily collection operations and equipment maintenance on dozens of air samplers across Dallas County. The air samples are transported to a local lab for daily testing. The contract amount is \$309,511.31 for the period September 1, 2020 to April 30, 2021. No matching from the City is required. TCEQ is in the process of firming up the schedule to extend the contract past April 2021.

Should you require additional information, please contact me or Sheila Delgado, Interim Director, Office of Environmental Quality and Sustainability at Sheila.Delgado@dallascityhall.com.

Liz Cedillo-Pereira
Chief of Equity and Inclusion

c: Honorable Mayor and City Councilmembers
T.C. Broadnax, City Manager
Chris Caso, City Attorney
Mark Swann, City Auditor
Billieae Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Chief of Staff to the City Manager
Majed A. Al-Ghafry, Assistant City Manager

Jon Fortune, Assistant City Manager
Joey Zapata, Assistant City Manager
Nadia Chandler Hardy, Assistant City Manager and Chief Resilience Officer
Dr. Eric A. Johnson, Chief of Economic Development and Neighborhood Services
M. Elizabeth Reich, Chief Financial Officer
Laila Alequresh, Chief Innovation Officer
Directors and Assistant Directors