



City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Meeting Agenda

Sustainability Framework Advisory Committee

Friday, December 13, 2024

1:00 PM

City Council Work Session Room

After determining that a quorum is present, the Sustainability Framework Advisory Committee of the City of Denton, Texas will convene in a Regular Meeting on Friday December 13, 2024, at 1:00 p.m. in the Council Work Session Room at City Hall, 215 E. McKinney Street, Denton, Texas at which the following items will be considered:

1. ITEMS FOR INDIVIDUAL CONSIDERATION

- A. [SFAC24-033](#) Consider approval of the October 25, 2024 minutes.
- Attachments:* [10.25.24 SFAC Minutes](#)
- B. [SFAC24-028](#) Receive a report, hold a discussion, and give staff direction regarding recommending the Sustainability Framework Fund FY2024-2025 Workplan to the City Council.
- Attachments:* [Exhibit 1. Agenda Information Sheet](#)
[Exhibit 2. 2024-2025 Sustainability Fund Workplan.](#)
[Exhibit 3. Presentation](#)
- C. [SFAC24-030](#) Receive a report and hold a discussion about the University of North Texas (UNT) Textiles Initiative and collaboration with the City of Denton.
- Attachments:* [Exhibit 1. Agenda Information Sheet](#)
[Exhibit 2. Presentation](#)
- D. [SFAC24-029](#) Receive a report, hold a discussion regarding the relaunch of the Green Business Program.
- Attachments:* [Exhibit 1. Agenda Information Sheet](#)
[Exhibit 2. Presentation](#)
- E. [SFAC24-031](#) Staff Reports
- a. Air Quality Monitor Update
 - b. Follow-up Previous Meeting Questions
 - c. 2025 Proposed Meeting Dates
 - d. Matrix
- Attachments:* [AQ Monitor Update](#)
[Follow-up items](#)
[2025 meeting dates](#)
[Matrix 12.6.24](#)

2. CONCLUDING ITEMS

A. Under Section 551.042 of the Texas Open Meetings Act, respond to inquiries from the Sustainability Framework Advisory Committee or the public with specific factual information or recitation of policy, or accept a proposal to place the matter on the agenda for an upcoming meeting AND Under Section 551.0415 of the Texas Open Meetings Act, provide reports about items of community interest regarding which no action will be taken, to include: expressions of thanks, congratulations, or condolence; information regarding holiday schedules; an honorary or salutary recognition of a public official, public employee, or other citizen; a reminder about an upcoming event organized or sponsored by the governing body; information regarding a social, ceremonial, or community event organized or sponsored by an entity other than the governing body that was attended or is scheduled to be attended by a member of the governing body or an official or employee of the municipality; or an announcement involving an imminent threat to the public health and safety of people in the municipality that has arisen after the posting of the agenda.

CERTIFICATE

I certify that the above notice of meeting was posted on the official website (<https://tx-denton.civicplus.com/242/Public-Meetings-Agendas>) and bulletin board at City Hall, 215 E. McKinney Street, Denton, Texas, on December 10, 2024, in advance of the 72-hour posting deadline, as applicable, and in accordance with Chapter 551 of the Texas Government Code.

OFFICE OF THE CITY SECRETARY

NOTE: THE CITY OF DENTON'S DESIGNATED PUBLIC MEETING FACILITIES ARE ACCESSIBLE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT. THE CITY WILL PROVIDE ACCOMMODATION, SUCH AS SIGN LANGUAGE INTERPRETERS FOR THE HEARING IMPAIRED, IF REQUESTED AT LEAST 48 HOURS IN ADVANCE OF THE SCHEDULED MEETING. PLEASE CALL THE CITY SECRETARY'S OFFICE AT 940-349-8309 OR USE TELECOMMUNICATIONS DEVICES FOR THE DEAF (TDD) BY CALLING 1-800-RELAY-TX SO THAT REASONABLE ACCOMMODATION CAN BE ARRANGED.



City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: SFAC24-033, **Version:** 1

AGENDA CAPTION

Consider approval of the October 25, 2024 minutes.

**CITY OF DENTON SUSTAINABILITY
FRAMEWORK ADVISORY COMMITTEE MINUTES
October 25, 2024**

After determining that a quorum was present, the Sustainability Framework Advisory Committee of the City of Denton, Texas convened in a Regular Meeting on Friday, October 25, 2024, at 1:00 p.m. in the City Council Work Session Room at 215 E. McKinney St, Denton, Texas.

PRESENT: Members Edward Soph, Dave Helms, Adam Briggie, Camelia Maier, and Brand Richter

LEGAL REPRESENTATION: Chris Mullins

Absent: None

REGULAR MEETING

1. ITEMS FOR INDIVIDUAL CONSIDERATION

A. SFAC24-021 Consider adoption of August 23, 2024, minutes.

Member Soph requested consideration of previous meeting minutes for August 23, 2024. Member Maier moved to approve the minutes. Member Richter seconded. Motion carried.

AYES (5): Members Edward Soph, Dave Helms, Adam Briggie, Camelia Maier, and Brand Richter
NAYS (0): None

B. SFAC24-025 Receive nominations and elect a Chair and Vice-Chair.

Member Soph moved to accept nominations to elect a Chair and Vice-Chair. Adam Briggie nominated Edward Soph as Chair. Member Richter seconded the nomination.

AYES (5): Members Soph, Helms, Briggie, Maier and Richter
NAYS (0): None

Member Maier moved for Brand Richter as Vice Chair. Adam Briggie seconded the motion.

AYES (5): Members Soph, Helms, Briggie, Maier and Richter
NAYS (0): None

C. SFAC24-023 Receive a report, hold a discussion, and provide staff direction regarding FY 2024-2025 GreenSense Incentive Program.

The item was presented by Katherine Barnett with the Environmental Services & Sustainability department. Katherine discussed the GreenSense Incentive program outlining the background, program highlights, total expenditures and GreenSense changes. Members asked questions and held a discussion.

- D. SFAC24-024** Receive a report, hold a discussion, and give staff direction regarding the Sustainability Framework Fund 2024-2025 Workplan priorities.

The item was presented by Katherine Barnett with the Environmental Services & Sustainability department. Katherine presented an overview of the Sustainability Framework 2024-2025 Workplan priorities. She discussed projects completed as well as proposed projects, water conservation programs, rebates, and additional considerations regarding water conservation programs, and battery storage incentives.

Members asked questions and held a discussion.

- E. SFAC24-027** Receive a report and hold a discussion regarding an annual summary of Sustainability Education, Outreach, and Social Media metrics for Fiscal Year 2023-2024

The item was presented by Karen Boerner with the Environmental Services & Sustainability department. Karen discussed education outreach efforts including the recycling education expansion, Denton Sustainable Schools, sustainability education, outreach, events, and social media metrics. She outlined the market strategy including the Denton Sustainable School Education and Outreach Programs, school challenges and audits. Highlights included discussion regarding the Texas Environment Leadership Award and the Environmental Awareness Education Award that Sustainability received for their outreach and educational efforts.

Members asked questions and held a discussion.

- F. SFAC24-026** Receive a report and hold a discussion regarding Internal Revenue Service Clean Energy Vehicle Credits.

The item was presented by Michael Gange with the Environmental Services & Sustainability department. Michael presented IRS Clean Energy and Vehicle Credits. He discussed 5 main topics to include Clean Vehicle Credits and the criteria to receive those credits, Residential Clean Credits, Builders of Energy-Efficient Homes, Energy Efficient Commercial Buildings, Alternative Fuel Vehicle Refueling Property including businesses and individuals to store or dispense clean-burning fuel or to recharge electric motor vehicles.

Members asked questions and held a discussion.

- G. SSFAC24-022** Staff Reports

Katherine Barnett asked if there were any questions or additions to the Matrix.

Maier - requested to know how Denton recycles plastics.

Soph - requested a meeting with the City Council Environmental Committee to discuss the possibility of the city at some point declaring a climate emergency.

2. CONCLUDING ITEMS

With no further business, Edward Soph closed the meeting at 2:30pm.

Edward Soph
Chair
City of Denton, Texas

Meredith Owens
Administrative Assistant III
City of Denton, Texas

Minutes approved on: _____



City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: SFAC24-028, Version: 1

AGENDA CAPTION

Receive a report, hold a discussion, and give staff direction regarding recommending the Sustainability Framework Fund FY2024-2025 Workplan to the City Council.



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Environmental Services & Sustainability

ACM: Christine Taylor, Assistant City Manager

DATE: December 13, 2024

SUBJECT

Receive a report, hold a discussion, and give staff direction regarding recommending the FY2024-2025 Sustainability Framework Fund Workplan to the City Council.

BACKGROUND

The Sustainability Framework Fund expenditures are guided by Workplans recommended by the Sustainability Framework Advisory Committee and approved by the City Council. The Sustainability Framework Fund budget is adopted based on revenue estimates and funds are not expended until funds accrue. Prior Fiscal Year's adopted budget and actual revenue are listed below.

Budget Year	Adopted Budget	Actual Revenue
FY 2021-2022	\$500,000	\$500,000.00
FY 2022-2023	\$4,000,000	\$1,286,099.75
FY 2023-2024	\$750,000	\$481,019.49
FY 2024-2025	\$800,000	Pending

Priorities for the FY2024-2025 Sustainability Framework Fund Workplan as discussed in August and October 2024 are outlined in the table as follows:

Sustainability Framework Fund Proposed Projects	Proposed Expenditure
<i>Water Conservation</i>	\$50,000
Ecosystem Protection and Enhancement	\$50,000
Electric Vehicle Rebate	\$150,000
Electric Bike Rebate	\$100,000
Air Quality Monitors O&M	\$25,000
Electric Lawn Equipment Pilot	\$50,000
Electric Vehicle City Fleet Support	\$175,000
	TOTAL
	\$550,000
<i>Proposed New Total</i>	<i>\$600,000</i>

Additional Considerations:

Water Conservation – Complement Denton Water Utilities Programming
Battery Storage Incentive – Review Options

One change has been made to the proposed FY2024-2025 Sustainability Framework Fund Workplan based on further discussion with Denton Water Utilities regarding water conservation activities. Water Utilities is planning to implement larger scale programs to reduce use of potable water for irrigation with their funding. Sustainability staff are recommending the use of \$50,000 from the Sustainability Framework Fund to implement irrigation tune-up and smart irrigation controller incentives. The proposed rebates are 100% of the customer’s invoice, up to \$100 and issued as a credit on the utility bill. The rebates would work to increase water conservation awareness through proper operation and maintenance of irrigation systems.

Sustainability staff is seeking SFAC direction for inclusion of proposed water incentives and recommendation to submit the FY2024-2025 Sustainability Framework Fund Workplan to City Council with a recommendation for adoption.

PRIOR ACTION

- August 28, 2022 – Sustainability Framework Advisory Committee
- September 23, 2022 – Sustainability Framework Advisory Committee
- October 28, 2022 – Sustainability Framework Advisory Committee
- January 10, 2023 – City Council Work Session
- August 25, 2023 - Sustainability Framework Advisory Committee
- August 23, 2024 – Sustainability Framework Advisory Committee
- October 25, 2024 - Sustainability Framework Advisory Committee

EXHIBITS

1. Agenda Information Sheet
2. FY2024-2025 Sustainability Framework Fund Workplan
3. Presentation

Submitted By:
Katherine Barnett
Sustainability Manager

Sustainability Framework Fund Workplan

SUSTAINABILITY

Proposed
Sustainability Framework Fund
Expenditures
Fiscal Year 2024-2025

Contact Number: (940) 349-8202
Address: 1001 S. Mayhill Rd. Denton TX, 76208
Email: sustainabledenton@cityofdenton.com



BACKGROUND

In August of 2021, the Denton City Council established a Sustainability Framework Fund for sustainability initiatives. Expenditures are guided by an annual Workplan recommended by the Sustainability Framework Advisory Committee (SFAC) and approved by the City Council.

GOALS

The 2020 Simply Sustainable Framework outlines eight key Focus Areas that encompass the entire Denton community. The SFAC is charged with Framework implementation, and this proposal includes projects that are both wide-reaching and impactful across these Focus Areas. The SFAC has met to discuss these actions and agrees that the items included are a priority for the Sustainability Framework Fund. It is the goal of these projects to address climate, air quality, and the health and well-being of the Denton community. The costs identified in this Workplan are estimates, and the projects are preferred options that Sustainability staff will implement as procurement allows. Funds may be adjusted among priorities as opportunities arise.

Project Proposals Fiscal Year 2024-2025

Sustainability Framework Fund Proposed Projects	Proposed Expenditure
Water Conservation Incentives	\$50,000
Ecosystem Protection and Enhancement	\$50,000
Electric Vehicle Rebate	\$150,000
Electric Bike Rebate	\$100,000
Air Quality Monitors O&M	\$25,000
Electric Lawn Equipment Pilot	\$50,000
Electric Vehicle City Fleet Support	\$175,000
TOTAL	\$600,000
Additional Considerations – Battery Storage Incentive – review options	

1 - Water

ESTIMATED FUNDING: \$50,000

ESTIMATED TIMELINE: 30 DAYS AFTER APPROVAL

- Irrigation Incentives
 - Smart controllers rebate (\$25,000)
 - Irrigation tune-up rebate (\$25,000)
 - Rain barrel workshops (support from Water Utilities)

Co-Benefit Areas

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 6: Education and Outreach

Chapter 8: Resiliency and Public Health



2 - Air Quality and Greenhouse Gas Management

ESTIMATED FUNDING: \$375,000

ESTIMATED TIMELINE: ONGOING

- Ecosystem Protection & Enhancement (\$50,000)
 - Native grass installation for carbon sequestration, improved stormwater filtration, and reduced maintenance
 - Tree plantings for carbon sequestration, improved stormwater filtration, and reduced heat island effects
- Electric Vehicle Incentive (\$150,000)
- Electric Bike Incentive (\$100,000)
- Air Quality Monitoring - ongoing expenses (\$25,000)
- Spring 2025 Electric Lawn Equipment Incentive Pilot (\$50,000)
 - Develop incentive program to encourage replacement of gasoline powered law equipment with electric options (lawnmower, string trimmers, edgers)

Co-Benefit Areas

Chapter 4: Land Use and Open/Natural Space

Chapter 5: Transportation

Chapter 6: Education, Communication, and Engagement

Chapter 8: Resiliency and Public Health



3 - Energy Conservation and Efficiency

ESTIMATED FUNDING: DEPENDENT UPON FUNDING
ESTIMATED TIMELINE: N/A

- Facility Fund Support – Energy and water conservation (lighting, HVAC, weatherization, advanced energy management control systems)
- Solar parking/shade structures with charging and battery storage, charging capability
- Low-income weatherization

Co-Benefit Areas

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 6: Education, Communication, and Engagement

Chapter 8: Resiliency and Public Health



4 - Land Use and Open/Natural Space

ESTIMATED FUNDING: DEPENDENT UPON FUNDING

ESTIMATED TIMELINE: N/A

- Improve Walkability
- Restoration Projects – Pollinator waystations, pocket prairies, prairie planting, and large-scale privet removal and restoration, sidewalk/street native planting
- Small Neighborhood Community Gardens (MLK, Denia, South Lakes)
- Native Planting at City Facilities
- National Wildlife Federation (NWF) - Registration of City facilities, community certification support
- Low Water Use Landscape Incentives

Co-Benefit Areas

Chapter 1: Water

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 6: Education, Communication, and Engagement

Chapter 8: Resiliency and Public Health



5 - Transportation

ESTIMATED COST: \$175,000

ESTIMATED TIMELINE: ONGOING

- City Fleet Electric Vehicle Support (\$175,000)
 - Electric vehicle charging stations
 - Purchase support
- Bicycle Safety Training (if funding allows)
 - Bike Rodeo
 - Safety materials
- Electric Vehicle Incentive - See Air Quality
- Electric Bike Incentive - See Air Quality
- Incentives for Transit Passes, Bike Commute, Carpool (if funding allows)

Co-Benefit Areas

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 4: Land Use and Open Space

Chapter 6: Education, Communication, and Engagement

Chapter 8: Resiliency and Public Health



6 - Education, Communication, and Engagement

ESTIMATED COST: DEPENDENT UPON FUNDING

ESTIMATED TIMELINE: N/A

- Green Business Program
 - Recognition program
 - Incentives
 - Supplies
- Idling Reduction – Signage, education, economic development
- Privet Removal Engagement Education
 - Bowling Green demonstration area trails and signage
 - Removal in high profile City-owned locations
- Educational Videos

Co-Benefit Areas

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 4: Land Use and Open/Natural Space

Chapter 5: Transportation



7 - Materials Resource Management

ESTIMATED COST: DEPENDENT UPON FUNDING

ESTIMATED TIMELINE: N/A

- Diversion of Non-Programmatic Materials (glass, Styrofoam, plastics, textiles)
- Solid Waste/Wastewater – Organics Program Expansion

Co-Benefit Areas

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 5: Transportation

Chapter 6: Education, Communication, and Engagement



8 - Resiliency and Public Health

ESTIMATED COST: DEPENDENT UPON FUNDING

ESTIMATED TIMELINE: N/A

- Local Food - Neighborhood Community Gardens -See Land Use
- Heating and Cooling Stations (Resilience Hubs)
 - Backup power
 - Backup water (water storage)

Co-Benefit Areas

Chapter 1: Water

Chapter 2: Air Quality and Greenhouse Gas Management

Chapter 3: Energy Conservation and Efficiency

Chapter 4: Land Use and Open/Natural Space

Chapter 6: Education, Communication, and Engagement





Sustainability Framework Fund

Katherine Barnett
Sustainability Manager
Environmental Services & Sustainability
December 13, 2024

Today's Focus

- Review FY2024-2025 Sustainability Framework Fund Workplan
- Discuss Addition of Funding for Water Conservation Incentives
- Next Steps



Sustainability Framework Fund

Budget Year	Adopted Budget	Actual Revenue
FY 2021-2022	\$500,000	\$500,000
FY 2022-2023	\$4,000,000	\$1,286,099.75
FY 2023-2024	\$750,000	\$481,019.49
FY 2024-2025	\$800,000	TBD

Commitment to spend funds as they accrue



Fiscal Year 2024- 2025 Workplan Committee Discussion

- *Water Conservation Strategies*
 - ✓ Ecosystem Protection and Enhancement
 - ✓ Transportation – Move EV and E-Bike to Framework Fund



Water Conservation Incentives

- Irrigation Tune-Up (Rebate - 100% up to \$100) \$25,000
 - Licensed irrigation professional
- Smart Irrigation Controller (Rebate - 100% up to \$100) \$25,000
 - Rain/Moisture Sensor
 - Wifi capable
- Staff will develop program guidelines similar to GreenSense for review and approval.



Proposed FY 2024-2025 Projects

Sustainability Fund Proposed Projects	Proposed Expenditure
<i>Water Conservation Incentives</i>	\$50,000
Ecosystem Protection and Enhancement	\$50,000
Electric Vehicle Rebate	\$150,000
Electric Bike Rebate	\$100,000
Air Quality Monitors O&M	\$25,000
Electric Lawn Equipment Pilot	\$50,000
Electric Vehicle City Fleet Support	\$175,000
TOTAL	\$550,000
<i>Proposed New Total</i>	<i>\$600,000</i>
Additional Considerations – Battery Storage Incentive – review options	



Discussion

Katherine Barnett

Sustainability Manager

Environmental Services & Sustainability





City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: SFAC24-030, **Version:** 1

AGENDA CAPTION

Receive a report and hold a discussion about the University of North Texas (UNT) Textiles Initiative and collaboration with the City of Denton.



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Environmental Services & Sustainability

ACM: Christine Taylor, Assistant City Manager

DATE: December 13, 2024

SUBJECT

Receive a report and hold a discussion about the University of North Texas (UNT) Textiles Initiative and collaboration with the City of Denton.

BACKGROUND

The City of Denton had the opportunity to collaborate on a diversion project with the University of North Texas Zero Waste Textile Initiative (UNTZWTI) team housed within the College of Merchandising, Hospitality, and Tourism. The UNTZWTI Team collects items to be used at campus clothing swaps, Diamond Eagle Resource Center, as scraps to teach students how to sew and mend, and the Chickasaw Nation ReUse Center in Oklahoma. This diversion project was supported by contributions from the City of Denton's Solid Waste & Recycling (SWR) and the Environmental Services & Sustainability (ESS) Departments.

For the diversion project, three dumpsters were sponsored by the City's ESS department and were labeled as "Textiles Only." SWR coordinated the placement at the three UNT dormitories during the 2024 Spring Move Out. UNTZWTI monitored the textile collection dumpsters daily and removed any visible trash or debris as needed. Dumpsters were in place for one week to see the amount of textiles students would place in the "Textile Only" dumpsters.

At the end of the week, dumpsters were collected by SWR staff and tipped at the Sustainability office for an initial pre-sort of materials. ESS staff removed any trash or debris placed in the dumpsters. ESS staff sorted textiles by clothing, bedding, shoes, and accessories. This pre-sort allowed the material to be stored over the summer months while the students on the UNTZWTI team were on summer break. While staff waited for students to return to campus, SWR weighed material at the Home Chemical Collection facility.

Once the students returned from summer break, a three-day Sort-A-Thon was hosted at the City of Denton Sustainability Office. UNTZWTI and more than 60 students volunteered their time to sort clothing by condition, seasonality, and design. Students sorted over 1,273 pounds of textiles collected from the UNT campus. This project is an example of how collaboration with local

partners is critical for the City to advance its sustainability goals of diverting 25% of waste from the Landfill by 2025, 50% by 2050, and 75% by 2075.

EXHIBITS

1. Agenda Information Sheet
2. Presentation

Submitted By:
Julissa Amador
Senior Program Coordinator



University of North Texas Textile Initiative Collaboration

Julissa Amador
Senior Program Coordinator
Environmental Services & Sustainability
December 13, 2024

Today's Focus

- University of North Texas (UNT) Zero Waste Textile Initiative Background
- Project Collaboration
- Next Steps



Background

- UNT Zero Waste Textile Initiative (UNTZWTI)
 - College of Merchandising, Hospitality, and Tourism
 - State of Texas Alliance for Recycling Grant
 - 8 Pink Collection Bins at the University of North Texas



UNT Zero Waste Textile Initiative

- Clothing swaps on UNT campus
- Diamond Eagle Resource Center at UNT
- Rags and fabric for sewing classes
- Chickasaw Nation ReUse Center in Oklahoma



Move Out Collaboration

- UNT 2024 Spring Move Out
- 3 Dumpsters
 - Kerr Hall & Joe Greene Hall
 - Sorority Row
 - Victory hall
- Signage placed in 15 dorms



Donate Clothing Here



NO TRASH. TEXTILES ONLY.

Donate unwanted fabric, clothing, shoes, & accessories here!

Items donated will be reused or repurposed by UNT's Dept. of Merchandising & Digital Retailing

UNT MOVE OUT GUIDE

Please take all trash to the large, open-top dumpsters:

Trash



Ensure all trash is bagged.

Donate Clothing



Use the following dumpsters located on campus to donate unwanted fabric, clothing, shoes, and accessories! Look for dumpsters with pink signs saying "Textiles Only"

Located: 3 Dumpsters Located on Campus

Kerr Hall & Joe Greene Hall
1300 Eagle Dr, Denton, TX 76201

Sorority Row
923 W Highland St, Denton, TX 76201

Victory Hall
1379 Bonnie Brae Street, Denton, TX 76207

Textiles collected are either repurposed or reused at the Diamond Eagle Clothing Closet right at UNT's campus.

Donate Small Appliances

- 📍 2030 W University Dr, Denton, Tx
- 📍 1805 Cornell Ln, Denton, Tx
- 📍 708 W University Dr, Denton, Tx
- 📍 1721 N Carroll Blvd, Denton, Tx
- 📍 920 Dallas Dr, Denton, Tx
- 📍 1701 Brinker Rd Denton, Tx
- 📍 2231 S Loop 288, Denton, Tx





Collaboration

- Dumpsters checked daily by (UNTZWTI) students
- Dumpsters in place for one week
- Promotion on social media platforms





SFAC24-030

8

Collection and Storage

- Collected 1,273 pounds of textiles
- Material stored during summer
- Sort-A-Thon hosted in September





SFAC24-030

10

Next steps

- Continue to identify opportunities
- Work with UNT for Move Out 2025
- Work with other universities/colleges



Questions?

Julissa Amador

Senior Program Coordinator

Environmental Services & Sustainability





City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: SFAC24-029, **Version:** 1

AGENDA CAPTION

Receive a report, hold a discussion regarding the relaunch of the Green Business Program.



AGENDA INFORMATION SHEET

DEPARTMENT: Environmental Services & Sustainability

ACM: Christine Taylor, Assistant City Manager

DATE: December 13, 2024

SUBJECT

Receive a report, hold a discussion regarding the relaunch of the Green Business Program.

BACKGROUND

The Green Business Program was launched in 2019 as a 12-month pilot. During the pilot 9 businesses registered. When the pandemic hit in 2020, the program was put on hold. The Green Business Program contains six focus areas (energy, water, materials management, transportation, wildlife, and community resilience) that businesses can embrace.

There are 4 steps a business can complete to advance in the program, Questionnaire, Cohort Participation, Community Engagement, and Ongoing Participation. For each step completed, the business will advance an additional level of participation in the program. There are 4 levels of participation for a participating business: bronze, silver, gold, and green. Upon completion of the 4 steps, a business will be designated as a “Green” level participant. Participants will receive a window cling to allow identification as a Green Business.

Staff have reflected on the feedback from the pilot and have refined the program as follows:

Application Process

Completion of the Green Business Program Questionnaire is the only requirement to join the program at the lowest level. This questionnaire is presented with simple metrics, a checklist, and open-ended questions to track the sustainability actions a business has already performed.

Introduction of Cohorts

Green Business Program cohorts offer an opportunity for businesses to share best practices and lessons learned related to current efforts. Cohorts also allow other businesses to gain knowledge on a focus area they wish to improve or learn about. Cohorts are based on the focus areas and will occur over a 3–4-month timeframe meeting once per month. This will also allow businesses to network and share ideas with like-minded businesses wanting to achieve similar goals.

Community Engagement

Community engagement in the Green Business Program can look different for every business. The intent of Community Engagement is to provide the opportunity for businesses to raise awareness among employees and customers on the sustainability initiatives the business has undertaken. This may look like signage highlighting actions implemented. Social media posts that call attention to sustainability efforts. Hosting events at their location based on one of the focus areas.

Ongoing Participation and Awards

Participants will complete a six-month check-in and submit annual reports on their progress on implemented sustainability initiatives. Based on the information received from the previous reports, Sustainability staff will provide awards to businesses by employer size. Small, medium, and large employers will be recognized for achievement in the following award categories.

- Resource Conservation (Energy, Water, and Materials Management)
- Transportation
- Wildlife and Community Resilience

For this program, small employers are defined as having 1 – 75 employees, medium businesses with 76-300 employees, and large 301 or more employees. All businesses will have the opportunity to compete for “Project of the Year” which is an opportunity to be recognized for a sustainability initiative they are most proud of from that calendar year.

EXHIBITS

1. Agenda Information Sheet
2. Presentation

Submitted By:
Julissa Amador
Senior Program Coordinator



Green Business Update

Environmental Services & Sustainability

Julissa Amador

Senior Program Coordinator

Background

- Pilot Program launched in 2019 - 9 businesses participated
- Pilot ended in 2020
 - Received feedback from participating businesses
- Program on hold through pandemic and staff changes
- Projected launch January 1, 2025



Overview of Program

- Intent is to encourage sustainability within businesses and provide resources to highlight or initiate green practices
- Focus areas
 - Water
 - Energy
 - Transportation
 - Materials Management
 - Wildlife
 - Community Resilience
- Opportunity for businesses to network and collaborate

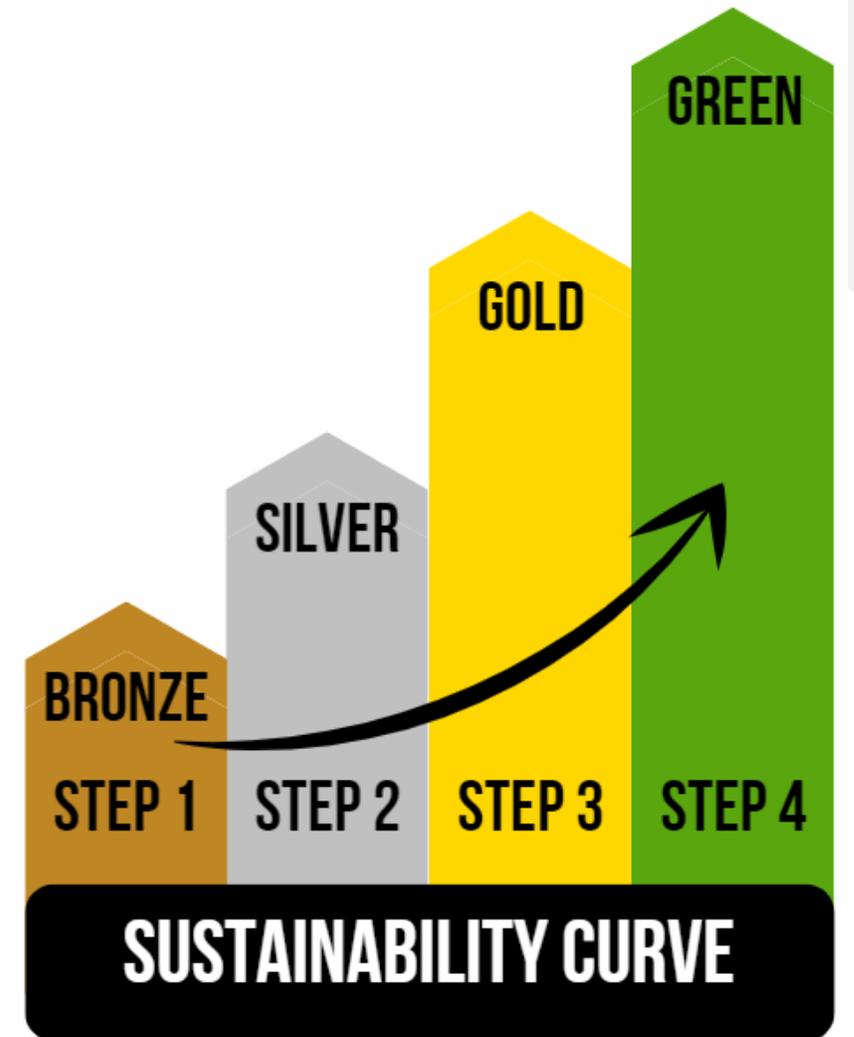




Program Specifics

How to participate

- Only requirement to join is completing the questionnaire
- Opportunity to join cohorts
 - Focus area
- Community Engagement
- Check-in at 6 months
- Annual report



Questionnaire

- Basic Metrics
- Checklist
- Short Answer



Water is an integral part of our community. The Denton Water Utilities serve our residents, businesses, schools, parks, and public buildings. As increasing demands are being placed on finite water resources sustainable water, stormwater, and wastewater systems are necessary to ensure the environmental and economic vitality of Denton.

Metrics

Attach monthly water consumption for an entire year if possible.

Check all that are currently being done at this business:

- Educate employees on the importance of saving water
- Implement water conservation policies and procedures (such as fixing leaks as they are discovered, inclusion in the purple pipe system, etc.)
- Install low-flow faucet fixtures
- Upgraded to water-efficient fixtures (dishwasher, toilet, washing machine, etc.)
- Utilize xeriscaping and/or native, drought-tolerant landscaping
- Install a weather-based irrigation controller
- Conduct regular water audits
- Schedule regular maintenance (for irrigation, plumbing, and other water system)
- Utilize recycled water (for cleaning, cooling towers, irrigation, fire protection, etc.)

Short Answer

Tell us how you raise awareness and encourage water conservation to your employees and customers.

Recognition and Awards

- Based on the following category and by employer size
 - Resource Conservation (Water, Energy, and Materials Management)
 - Transportation
 - Wildlife and Community Resilience
- Project of the Year
- Partnership with CoD Economic Development and community organizations

Next Steps

- 1. Program launch
- 2. Spread the word
- 3. Launch cohort classes
- 4. Report ongoing participation





City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: SFAC24-031, Version: 1

AGENDA CAPTION

Staff Reports

- a. Air Quality Monitor Update
- b. Follow-up Previous Meeting Questions
- c. 2025 Proposed Meeting Dates
- d. Matrix



MEMORANDUM

DATE: December 13, 2024
TO: Sustainability Framework Advisory Committee
FROM: Katherine Barnett, Sustainability Manager
SUBJECT: Air Quality Public Dashboard Update

The Texas Commission on Environmental Quality (TCEQ) regulatory air quality monitors are located throughout the state, including one in northwest Denton. The TCEQ monitors are used to assess regional air quality compliance with National Ambient Air Quality Standards (NAAQS) established by the Clean Air Act, but do not allow for neighborhood-level assessment of local air quality. Beginning in 2023, the City of Denton Environmental Services and Sustainability staff began the process to procure and install 12 non-regulatory air quality sensors distributed throughout the city. Staff collaborated with Denton Municipal Electric (DME) to install the sensors in two phases which were completed in October 2024. The sensors provide a wider look into the city's emissions and air quality at the local level. Site locations were chosen based on several criteria including, but not limited to, sufficient spatial distribution throughout the city, DC power availability, minimal tree canopy cover, and distance from roadway.

The sensors record ambient temperature, humidity, ground-level ozone (O₃), carbon monoxide (CO), total volatile organic compounds (TVOC), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and particulate matter (PM_{2.5} and PM₁₀). The TCEQ monitor measures ambient weather, oxides of nitrogen, ground-level ozone, and PM_{2.5}.

Currently, the City of Denton website educates residents on regional air quality and ongoing efforts to reduce greenhouse gas emissions and improve local air quality. Staff are working to build a public-facing dashboard on the website which will display monthly air quality data collected from the sensors. The webpage is estimated to be posted in early 2025 and will display a summary of data collected from the sensors thus far and will educate residents on the parameters measured and their impacts on public health.

OUR CORE VALUES

Inclusion • Collaboration • Quality Service • Strategic Focus • Fiscal Responsibility



MEMORANDUM

DATE: December 13, 2024
TO: Sustainability Framework Advisory Committee
FROM: Katherine Barnett, Sustainability Manager
SUBJECT: Follow up from previous meeting

Question

How does Denton recycle plastic?

Answer

After recyclables are collected, they are transported to PRATT Industries, where they undergo a sorting process. Plastics are carefully hand-sorted at a speed of approximately one bottle per second. Once sorted, plastics are categorized into their designated type: PET (such as water and soda bottles), HDPE (high-density polyethylene, milk jugs), HDPE Color (colored plastic containers), and plastics 3-7 (rigid plastics such as yogurt containers).

Each type of plastic is then directed to a specific bunker to be sold as a commodity to a third-party vendor. These vendors process the plastics further, ensuring they are transformed into new products, contributing to a circular economy and reducing waste.

Plastics such as plastic bags and plastic film are not accepted in Denton's curbside recycling program. However, residents can recycle these items at participating grocery stores or drop them off at Home Chemical Collection. The Solid Waste Department is actively working to secure a vendor to process these specific materials.

OUR CORE VALUES

Inclusion • Collaboration • Quality Service • Strategic Focus • Fiscal Responsibility



MEMORANDUM

DATE: December 13, 2024
TO: Sustainability Framework Advisory Committee
FROM: Katherine Barnett, Sustainability Manager
SUBJECT: Proposed Sustainability Framework Advisory Committee meeting dates for 2025

Please review dates and let staff know of any potential conflicts. November/December will be combined for 1 meeting between Thanksgiving and Christmas. The schedule will be presented for adoption at the January 24th meeting.

January 24, 2025

February 28, 2025

March 28, 2025

April 25, 2025

May 23, 2025

June 27, 2025

July 25, 2025

August 22, 2025

September 26, 2025

October 24, 2025

November 28, 2025 (Thanksgiving Holiday – **NO MEETING**)

December 12, 2025 SPECIAL DATE

December 26, 2025 (Christmas Holiday – **NO MEETING**)

Meeting's will typically be held on the fourth Friday at 1 p.m. in the City Council Worksession Room located in City Hall, 215 E. McKinney St., Denton, TX.

OUR CORE VALUES

Inclusion • Collaboration • Quality Service • Strategic Focus • Fiscal Responsibility

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
1	1/26/2024	Soph		Requested update on Denton Renewable Resources Plan. Would like progress report.	ESS		Jul-05	N/A
2	6/7/2024	Richter		Consideration of greenspace enhancements	ESS		Additional info	
3	6/7/2024	Briggs		Speakers at meetings	ESS		Jan-25	
4	8/23/2024	Soph		Since adopted climate action plan, presentation on priorities and timeline for adoption of those priorities, timeline for ordinances that might be adopted	ESS		Spring 2025	
5	8/23/2024	Soph		Discussion of equity issues for low-income homeowners who can't afford rebates upfront			Spring 2025	
6	8/23/2024	Soph		Solar, especially low-income households			Spring 2025	
7	8/23/2024	Soph		Report on if the city had received any IRA grants			Jan-25	
8	10/25/2024	Soph		Request joint meeting with City Council to discuss declaring climate emergency			Jan-25	
9	10/25/2024	Maier		How does Denton Recycle Plastic			Dec-24	
Ongoing/ As needed								
1	8/26/2022	Briggle/Soph		Keep Inflation Reduction Act (IRA) funding for climate on Radar	Sustainability		ongoing	N/A

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
				To be scheduled				
1	3/24/2023	Briggle		Transportation- Would like City Planner come and talk about how things are zoned and built.	Development Services		Worksession	N/A
2	2/25/2022	Briggs/ Richter		Requesting a review of current development codes, parking minimums and on-street parking, tree code and coordination of Sustainability Framework with other plans	Development Services		On Hold Parking min. postponed for CC Jan 2024	N/A
3	4/28/2023	Soph		Discussion for city to utilize solar in parking.	ESS		CAAP development	N/A
4	4/28/2023	Stevens		Presentation on targets for one water plan as plan develops	DWU		Update as One Water plan develops	N/A
5	11/19/2021	Richter		Report on direct power purchases; projections for future usage.	DME		2023/ Denton Renewable Resource Plan Update	N/A
6	2/25/2022	Fry		Transportation Overview/ New transportation standards/ broader mobility plan, bike program, vehicle idling standard, sidewalks, infrastructure.	Transportation/ Capital		Future Presentation/ Include in CAAP review	N/A
7	9/23/2022	Soph		Community solar microgrid/ Future worksession	DME		2023/ Denton Renewable Resource Plan Update	N/A
8	2/25/2022/& 3/24/2023	Stevens		Plan with greenhouse gas/ what will be produced under proposed process LFG SW project.	SW		RFP responses have been received	N/A

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
				Complete				
	4/22/2022	Briggs		Policies and procedures for post production pad sites and well heads	ESS		Complete September 2022	N/A
	6/29/2022	Soph		Estimated methane emissions from Modern Geosciences Gas Well Inspections	ESS		Memo - Sept 2023	N/A
	8/26/2022			Xeriscaping Initiatives	ESS		Complete - September 2022	N/A
	6/29/2022	Briggle		Information about Solar Generation with context	DME		Complete - June 2022	N/A
	2/24/2023	Briggs		Requested presentation from DME on data center usage	ESS		Complete	N/A
	3/25/2022	Briggs		Would like presentation on data center	DME		Complete - March 2023	N/A
	9/23/2022	Briggs		preservation, sustainability & economic development	Economic Dev.		Complete - March 2023	N/A
	6/29/2022	Soph		How is Water Utilities planning for growth and climate change in long range plans	Water		Complete - April 2023	N/A
	1/27/2023	Soph		Status of Industrial/Commercial and DISD Solar & GreenSense policy	DME		Complete - May 2023	N/A
	1/27/2023	Soph		"Islanding" for grid tied solar during power outages	DME		Complete - May	N/A
	1/27/2023	Soph		Review Electric rate structure winter - rationale germane to current conditions	DME		Complete - May 2023	N/A
	3/24/2023	Soph		Update on survey response	ESS		Complete - May 2023	N/A
	3/24/2023	Meltzer		Xeriscaping incentive plans/merit to subsidize ebikes.	ESS		Complete - May 2023	N/A
	6/29/2022	Soph		How is Water Utilities planning for growth and climate change in long range plans	Water		Complete	N/A
	3/24/2023	Briggle		Update on meeting-in-a-box.	ESS		Complete	N/A
	4/28/2023	Meltzer		Grandfathering Solar			Complete	Complete

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
	5/26/2023	Soph		Questions about DME memo/value of solar/cost of service standpoint.	DME		Complete-May	N/A
	5/26/2023	Briggs		Letter to Council on SFAC nominations/Implementation questions	ESS/CSO)		complete	N/A
	4/28/2023	Meltzer		Incentivize Battery walls	ESS		Complete	N/A
	10/28/2022	Briggs		Tree Canopy- Presentation on tree canopy goals	Parks		complete	N/A
	8/25/2023	Soph		EV Bikes for further discussion related to Greensense	ESS		Memo September	N/A
	8/25/2023	Soph		Criteria for Sustainability Framework Fund decisions.	ESS		Complete	N/A
	8/26/2022	Soph		Carbon Sequestration potential of current tree canopy	Parks		Complete	N/A
	3/24/2023	Briggs/Stevens/Briggle		Presentation on PACE	ESS		Complete	N/A
	8/25/2023	Soph		What bearing does the Gas Well inspection data have on the CAAP?	ESS		Complete	N/A
	9/23/2022	Fry		Presentation on what other cities are doing on setbacks of wells	ESS		Complete	N/A
	4/28/2023	Soph		Update on efforts for charging stations fleet/public.	ESS		December	N/A
	10/27/2023	Briggs		Solid Waste Mgmt. study/Presentation on what was adopted	SWR		Complete	N/A
	2/23/2024	Soph		DFW Air Quality Improvement Plan - Can this be put on Social Media?			ongoing	N/A
	5/26/2023	Briggs		Offsite meeting at Pratt Recycling to see what is going on.	ESS		Apr-24	N/A
	1/26/2024	Briggs		54 applications rejected. What were the reasons?	ESS		Memo 2-24	N/A
	1/26/2024			Climate Change Education	ESS		Mar-24	N/A
	2/24/2023	Soph		Presentation on current city green building codes	Development Services		Feb-24	N/A

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
	2/23/2024	Soph		Status of draft CAAP	ESS		Complete	
	6/7/2024	Soph/Richter		GreenSense Incentives, Battery Storage, Low Income incentives/ additional incentives	ESS		Sept./Oct. 2024	complete
	8/23/2024	Soph		Links to to inflation reduction act website regarding sustainability actions			Fall 2024	complete