



City of Denton

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

Meeting Agenda

Sustainability Framework Advisory Committee

Friday, May 26, 2023

1:00 PM

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, May 26, 2023, 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. [SFAC23-020](#) Consider approval of the April 28, 2023 minutes.

Attachments: [Exhibit 1. April 28, 2023 Minutes - Final](#)

- B. [SFAC23-022](#) Receive a report and hold a discussion regarding an update on the City’s organizational performance management tools and resources.

Attachments: [Exhibit 1 - Agenda Information Sheet](#)

- C. [SFAC23-014](#) Receive a report, hold a discussion, and give staff direction regarding Climate Action and Adaptation Plan Targets and Actions prioritization.

Attachments: [Exhibit 1. Agenda Information Sheet](#)

- D. [SFAC23-021](#) Staff Reports
 1. DME SFAC Memo
 2. Matrix

Attachments: [DME SFAC Memo](#)
[Matrix](#)

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 May 23, 2023, 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.



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Legislation Text

File #: SFAC23-020, Version: 1

AGENDA CAPTION

Consider approval of the April 28, 2023 minutes.

**CITY OF DENTON SUSTAINABILITY
FRAMEWORK ADVISORY COMMITTEE MINUTES
April 28, 2023**

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, April 28, 2023, at 1:00 p.m. in the City Council Work Session Room at 215 E. McKinney St, Denton, Texas.

PRESENT: Chair Keely Briggs, Vice Chair Meltzer and Members Brand Richter, Ed Soph, Wendell Stevens, and Adam Briggie

LEGAL REPRESENTATION: Marcella Lunn

ABSENT: None.

REGULAR MEETING

1. ITEMS FOR INDIVIDUAL CONSIDERATION

A. SFAC23- 016 Consider approval of the March 24, 2023, minutes.

Member Meltzer moved to approve the amended minutes with the following change:

Incentivize solar battery walls, plan to incorporate solar rebate grandfathering, discuss meeting two times a month to make more progress.

Richter seconded. Motion carried.

AYES (6): Chair Briggs, Vice Chair Meltzer, and Members Richter, Soph, Briggie and Stevens
NAYS (0): None

B. SFAC23-018 Receive a report and hold a discussion on the Denton Water Utilities long range plans addressing sustainability measures that also account for future growth.

The item was presented by Stephen Gay, Director of Water Utilities and discussion followed.

Gay talked about the master plans that will be coming forward. He discussed the wastewater master plan, comprehensive plan, updating the 2018 water master plan, comprehensive water supply plan, reclaimed water plan, conservation plan, and drought management plan. Gay discussed how the master plans intersect with Sustainability.

The presentation included additional conservation to lower the per capita daily usage over the next 50 years including plumbing code reductions, reduce water loss, and incentivizing low water demand landscape and ordinances.

Gay continued to discuss expanding the reuse water system to add more public customers, commercial and mixed use as well as ordinances to require any new development within a certain proximity to use the system. He talked about Aquifer Storage and Recovery (ASR) and how this stores water in aquifers during low demand period to pull water out during high demand periods.

Gay talked about direct potable reuse and how it is treated and how wastewater flows directly to the water treatment plant for further treatment, and indirect potable reuse is treated and wastewater flows to a natural buffer to then pull water back.

Meltzer asked about the state of the projected demand - are we facing a pinch point? Gay responded that we are not, we are going to add an additional treatment facility plant to help manage the growth and additional flows coming into the system. There were additional questions regarding the new plant and the cost associated. Gay stated he expected the numbers to escalate due to supply chain and labor issues. Gay stated that 75-80 percent is irrigation.

Meltzer mentioned Dr. Thompson (Rudy) education with a green school education on water conservation.

Briggle asked about the goals, per capita what is it now and how has it changed over the years. Gay talked about 175/day/ individual 2011 and in 2022 it was 150 gallons per day. Briggle asked how they stack up, Gay stated that is in part of the plan that is being worked on, we will bring it back.

Briggle discussed depleting resources and what are the projections for water resources. Gay talked about Lake Ray Roberts and Lewisville. We are diversifying our portfolio.

Richter mentioned there were not a lot of projections, he asked what they were. Gay, very subjective factors working with Municipal Utility Districts (MUDs) that are interested in City of Denton water. Hunter and Cole believe to see about an 8% number of projections within the next five years.

Briggs asked about future growth. If we do 8% increase and business as usual for water supply, how long is that sustainable if we don't start implementing all the other ideas. Gay will bring that information back.

Richter stated that he loved what was presented. Richter mentioned looking at other items other than xeriscaping. Gay stated there will be a plan to incorporate a demonstration garden that will show customers different alternatives such as a botanical garden, for example.

Richter also talked about ground water banking, the 70% use of surface water, and if there is other competition with the depositing of water into the aquifer. Gay believes it will be regional partnership and a comprehensive view. We have raw water and treated water that will give us a competitive advantage.

Soph asked about the master plan and if it will extend out 50 years. Gay stated 5 25 50. Will there be timelines for the plan? Gay stated that it is continually refined. Soph asked, with ordinances? Gay agreed. Soph when plans completed. Gay stated WW WS to PUB and final by year end. One

Water just started. Soph asked if this group can be up to date as we go along. Is the irrigation normal? Gay said it is normal. Gay talked about City of Las Vegas and how they recycle and conserve.

Stevens asked what our goals were and if we are in trouble now. He asked how much we need to reduce the areas of opportunities, what does that look like in terms of gallons, and how much will it cost to make that happen. Gay said no we aren't in trouble. What are the targets? Gay stated we are working on the targets. Stevens asked about partnerships. Do we have a partnership with colleges and how do we get the information to customers? There is a great opportunity. Barnett says that we have that connection. Gay stated that audit is part of this master plan and that we hope to earmark funds to help upgrade a sprinkler system.

Stevens requested to add to that we educate the community about irrigation to the matrix.

Briggs asked if there is a list of waterwise vegetation on our city website. Barnett stated that she will double check., yes. Briggs also asked if there was anything that we treat our water with that will harm the environment, if we put it back into the aquifer? Gay stated we are working on this part in the master plan, and it will include chemists that can answer those questions. TCEQ is very clear about what the water must look like before it can be injected.

Briggs also asked if we have rebates for our irrigation systems. Gay and Barnett stated that we did not, but we will be looking for this. Katherine stated this information is important to have as we grow.

Meltzer asked if there was potential for a new reservoir to be built in the region? Stephen talked about how we submit our growth projections to Region C and based off the need, there may be an opportunity to build one, but the most current reservoir is at Lake Ralph Hall that is being constructed by Upper Trinity Water District. It's about a 2-3-year project. Stephen stated we will not pass up any opportunity, he will advocate for any help to sustain our water supply.

Meltzer asked if xeriscaping is bad for other things. Including pollinators. He also asked what the timeline is for the Master plan. Gay stated the wastewater plan is expected to be complete by end of 2023. One Water plan has just launched, he mentioned between 18-24 months.

Meltzer asked what Gay would like to see from this committee. Stephen stated he hasn't had any struggles but will think about it.

Briggle asked about the water quality, and if we are up to the state of the art for this. Stephen will talk to the Lab and get more information. He stated that we are compliant and that we are closely regulated by TCEQ.

Soph asked about Permeable concrete driveways and sidewalks. Stephen stated that our Drainage department would better answer this.

C. SFAC23- 017 Staff Reports

The item was not presented, and discussion followed:

Stevens – More comprehensive water plan presentation. What are the goals and how will it impact Sustainability and costs.

Meltzer – Incentivize solar battery walls, Solar rebate discussion on grandfathering, correctly valued rooftop solar, and a discussion on meeting two times a month to make more progress.

Soph – Would like an update on the efforts to increase the number charging stations, City to utilize solar over parking lots, and if there are any city initiatives to utilize solar for City buildings.

CONCLUDING ITEMS

Stevens - Sustainability fund work plan, is there something more up to date? Barnett stated there is one from this year and will find it.

Stevens – Is the Simply Sustainable document the most current? Barnett is working on update.

With no further business, the meeting was adjourned at 1:49 pm.

KEELY BRIGGS
CHAIR
CITY OF DENTON, TEXAS

KIM MANKIN
UTILITIES ADMIN MANAGER
CITY OF DENTON, TEXAS

Minutes approved on: _____



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Legislation Text

File #: SFAC23-022, Version: 1

AGENDA CAPTION

Receive a report and hold a discussion regarding an update on the City's organizational performance management tools and resources.



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AGENDA INFORMATION SHEET

DEPARTMENT: City Manager's Office
ACM: Cassey Ogden, Assistant City Manager
DATE: May 26, 2023

SUBJECT

Receive a report and hold a discussion regarding an update on the City's organizational performance management tools and resources.

BACKGROUND

The purpose of this meeting is to provide an overview of the City's Strategic Plan Dashboard. This dashboard was created through the use of a purpose-built performance management software for tracking and reporting on key planning documents across the organization including citywide and department-level strategic plans as well as master plans. This platform is also being used for the creation of data visualizations for both department data analytics and planning dashboards.

Leadership identified the need for a purpose-built performance management software to:

- Improve public service delivery through deliberate planning and an emphasis on accountability, transparency, and results.
- Increase public trust and confidence in the city government by holding the city and its departments accountable for the successful achievement of goals and performance targets.
- Bolster the use of data in assessing organizational performance and informing the decision-making process.

A demonstration of the software will be provided.

EXHIBITS

Exhibit 1 – Agenda Information Sheet

Respectfully submitted:
Aimee Kaslik
Chief Strategy Officer



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Legislation Text

File #: SFAC23-014, Version: 1

AGENDA CAPTION

Receive a report, hold a discussion, and give staff direction regarding Climate Action and Adaptation Plan Targets and Actions prioritization.



AGENDA INFORMATION SHEET

DEPARTMENT: Environmental Services and Sustainability

ACM: Christine Taylor, Assistant City Manager

DATE: May 26, 2023

SUBJECT

Receive a report hold a discussion and give staff direction regarding Climate Action and Adaptation Plan Targets and Actions prioritization.

BACKGROUND

Public engagement for the Climate Action and Adaptation Plan began with a webinar on December 14, 2022, and the first in-person community Town Hall meeting was held on January 26, 2023. Approximately 40 people attended the first town hall and learned more about the planning process, the 2019 Greenhouse Gas Inventory and 2019 SSG Greenhouse Gas model, and Business as Usual planning. Attendees shared their thoughts during the meeting through an interactive process and at the end of the meeting through a survey.

The Meeting in a Box and Community Survey were launched in February. These tools will be available through May. Approximately 75% of the surveys requested by our consultant have been received to date. Staff has been in the community at existing programs and events to gather additional responses over the last several months.

Sustainability Solutions Group (SSG) will present Targets and Actions and the Committee will review and prioritize during the meeting. Identifying priorities will assist SSG in modeling actions that are prioritized by the community and the committee.

We have posted presentations as well as other updates and links to surveys, notification email sign up and other documents on www.SustainableDenton.com

PRIOR ACTION

December 14, 2022 – Community Webinar

January 26, 2023 – Community Town Hall #1

January 27, 2023 – Sustainability Framework Advisory Committee Presentation

February 28, 2023 – Community Survey and Meeting in a Box request form available online.

April 11, 2023 - Committee on the Environment Update presented

EXHIBITS

1. Agenda Information Sheet

Respectfully submitted:
Katherine Barnett
Sustainability Manager



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File #: SFAC23-021, Version: 1

AGENDA CAPTION

Staff Reports

1. DME SFAC Memo
2. Matrix



DATE: May 22, 2023
TO: Michael Gange, Director of Environmental Services & Sustainability
FROM: Tony Puente, DME General Manager
SUBJECT: SFAC Questions & Staff Responses

DME staff have reviewed questions posed by the SFAC and below are responses for each question:

1. Status of Industrial/Commercial and DISD Solar & GreenSense policy.

Staff Response: No changes are contemplated at this time for the GreenSense Program impacting these and all other customers. Staff anticipates conducting additional research into the impacts of this program and may bring back this discussion to the SFAC later next calendar year. Currently, installations greater than or equal to 500 kWac are required to perform a pre-interconnection study by a third-party engineering firm. Additionally, installations greater than 20 kW may require a separately negotiated power purchase agreement and do not automatically qualify for the Distributed Generation from Renewable Sources Rider (DGR).

2. Islanding for grid tied solar during power outages.

Staff Response: DME plans to update the Distributed Generation Manual and Solar Application to clarify that multimode/hybrid inverters may be used. When used in conjunction with a battery storage system or a back-up generator, these systems are capable of islanding even if the utility service is disrupted.

3. Review Electric rate structure winter-rational germane conditions.

Staff Response: DME's current rate structure includes a two-tier rate for residential customers during winter months (November-April). The current tiers are: Tier 1, First 600 kWh at \$0.0684; and Tier 2, Additional kWh at \$0.0455. In comparison, the summer months (May-October) have a single rate of \$0.0684 for all kWh consumed. DME is currently reviewing this rate structure since the original intent was likely to attract winter heating load and encourage fuel switching from gas and propane to electric. Over the last few years, the trend has been to move to all electric home appliances, especially for heating, so this rate structure may no longer be applicable.

If you have any questions, please do not hesitate to contact me.

Sustainability Framework Advisory Committee

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
1	11/19/2021	Richter		Report on direct power purchases; projections for future usage.	DME		2023/ Denton Renewable Resource Plan Update	N/A
2	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
3	2/25/2022/& 3/24/2023	Stevens		Plan with greenhouse gas/ what will be produced under proposed process LFG SW project.	SW		Staff Report July 2023	N/A
4	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		Parking June 2023 (Tree code complete 6/22)	N/A
5	6/29/2022	Soph		How is Water Utilities planning for growth and climate change in long range plans	Water		Presentation April 2023	N/A
6	8/26/2022	Soph		Carbon Sequestration potential of current tree canopy	Parks		Presentation June 2023	N/A
7	9/23/2022	Fry		Presentation on what other cities are doing on setbacks of wells	ESS		Staff Report	N/A

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
8	9/23/2022	Soph		Community solar microgrid/ Future worksession	DME		2023/ Denton Renewable Resource Plan Update	N/A
9	10/28/2022	Briggs		Tree Canopy- Presentation on tree canopy goals	Parks		Presentation June 2023	N/A
10	1/27/2023	Soph		Status of Industrial/Commercial and DISD Solar & GreenSense policy	DME		May-23	N/A
11	1/27/2023	Soph		"Islanding" for grid tied solar during power outages	DME		May-23	N/A
12	1/27/2023	Soph		Review Electric rate structure winter - rationale germane to current conditions	DME		May-23	N/A
13	2/24/2023	Soph		Presentation on current city green building codes	Dev. Serv.		Presentation June 2023	N/A
14	3/24/2023	Soph		Update on survey response	ESS		May-23	N/A
15	3/24/2023	Meltzer		Xeriscaping incentive plans/merit to subsidize ebikes.	ESS		May-23	N/A
16	3/24/2023	Briggle		Transportation- Would like City Planner come and talk about how things are zoned and built.	Dev. Serv		Jun-23	N/A
17	3/24/2023	Briggs/Stevens/Briggle		Presentation on PACE	ESS		Jun-23	N/A
18	3/24/2023	Briggle		Update on meeting-in-a-box.	ESS		May-23	N/A

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
19	4/28/2023	Soph		Update on efforts for charging stations fleet/public.	ESS		CAAP development	
20	4/28/2023	Soph		Discussion for city to utilize solar in parking.	ESS		CAAP development	
21	4/28/2023	Stevens		Presentation on targets for water plan as plan develops			Update as plan develops	
22	4/28/2023	Meltzer		Incentivize Battery walls			GreenSense Incentive proposal discussion	
23	4/28/2023	Meltzer		Grandfathering Solar Complete			Council Discussion	
	4/22/2022	Briggs		Policies and procedures for post production pad sites and well heads	ESS		Complete September 2022	
	6/29/2022	Soph		Estimated methane emissions from Modern Geosciences Gas Well Inspections	ESS		Follow up when data available	
	8/26/2022	Briggle/Soph		Keep Inflation Reduction Act (IRA) funding for climate on Radar	Sustainability		ongoing	
	8/26/2022			Xeriscaping Initiatives	Sust	Complete	Complete - September 2022	
	6/29/2022	Briggle		Information about Solar Generation with context	DME		Complete - June 2022	
	2/24/2023	Briggs		Requested presentation from DME on data center			Complete	

#	Date Requested	REQUESTOR	SUPPORTERS	ITEM	DEPARTMENT	STAFF TIME	STATUS	COUNCIL STATUS
	3/25/2022	Briggs		Would like presentation on data center	DME		Complete - March 2023	N/A
	9/23/2022	Briggs		Would like Economic Dev to speak w/ us about 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