

**CITY OF DENTON SUSTAINABILITY
FRAMEWORK ADVISORY COMMITTEE MINUTES
May 26, 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, May 26, 2023, at 1:02 p.m. in the City Council Work Session Room at 215 E. McKinney St, Denton, Texas.

PRESENT: Chair Keely Briggs, and Members Brand Richter, Ed Soph, and Adam Briggie

LEGAL REPRESENTATION: Benjamin Samples

ABSENT: Wendell Stevens

REGULAR MEETING

1. ITEMS FOR INDIVIDUAL CONSIDERATION

A. SFAC23- 020 Consider approval of the April 28, 2023, minutes.

Member Soph moved to approve the minutes. Richter seconded. Motion carried.

AYES (4): Chair Briggs, and Members Richter, Soph, and Briggie

NAYS (0): None

B. SFAC23-022 Receive a report and hold a discussion regarding an update on the City's organizational performance management tools and resources.

The item was presented by Aimee Kaslik, Chief Strategy Officer for The City of Denton and discussion followed.

Kaslik discussed the work that is being done across the organization. Council redefined key focus areas last month. These are the foundation of all that we do. The Chief Strategy Officer was created last fall to focus on strategy. This helps the overall direction of the city, creates focus, aligns common goals, breaks down silos across the organization as we work to achieve those goals. It also leads the decision-making process. We have launched a strategic plan dashboard in March to help bolster transparency throughout the community. This highlights over 100 initiatives across the organization that are aligned with Council's key focus areas. This can transcribe into 22 different languages. This is also cell phone and iPad friendly. There are six key focus areas. Blue is progress, Green represents on track, yellow is minor disruptions, red means major disruptions, and purple is future initiatives. Soph asked if this tells the people what's working and what isn't.

Kaslik said yes, it does. You can search the plans, such as bike lanes for example. You will also be able to see the completion date.

Briggs - Asked about how these initiatives go hand in hand. Kaslik said that we are using the same platform across the organization, and we have built and launched a plan for the economic strategic plan and the public library every 5 years. Parks master plan is about to launch. Kaslik showed the Simply Sustainable dashboard and discussed that we have 8 focus areas. (Water, Air Quality & Greenhouse Gas Management, Energy Conservation & Efficiency, Land Use & Open/Natural Space, Transportation, Communication..., Material Resource Management, and Resiliency & Public Health. You can view goals for each focus area and the strategy and read about the progress. It is to ensure we have the accountability and transparency.

Richter – Some of our goals, are goals. Not necessarily a short-term step by step approach. For the longer-term actions, can it be compiled and sorted to where you can see each of the steps, we've taken to achieve those goals? Kaslik said she envisions a space that will show a highlight of each area.

Briggle - Asked if this was the 2040 strategic plan. Kaslik says this is the comprehensive plan. We can link many plans together so that connectivity is there.

Briggle - This is impressive, do we have the staff to update this? Kaslik stated it was just her and that she gets to do all the build and there are initiative owners in the department, and they can provide their updates.

Briggs/Soph – Agreed that it is great.

C. SFAC23- 014 Receive a report, hold a discussion, and give staff direction regarding Climate Action and Adaptation Plan Targets and Actions prioritizations.

The item was presented by Carol Fraser with Sustainability Solutions Group (SSG) and discussion followed.

Fraser discussed the targets and actions that Denton is considered in the plan. These actions are meant to reduce the gaps. In nearly every sector, we are projecting business as usual emissions to rise by 2050.

By 2030, increasing biking and walking to 12% of all trips, and by 2050, increasing again by 20%. By 2030, 60% of new vehicles registered are zero emissions and by 2050 100% are zero emissions. Encouraging walking, biking, and alternative travel modes, purchase of E-bikes, and building infrastructure. Other actions to meet targets would be to create policies to reduce travel distances and creating low emission zones. Actions to reconsider parking, consider parking maximums,

facilitate EV charging, creating EV strategy, DCTA, and build up network. City of Denton targets, by 2030 60% city fleet would be zero emission vehicles. Fully embrace EV options, create solar charging for EV fleet.

Soph- Is DISD included in EV? Actions and future projections? Fraser explained that buses are captured, we don't draw them out completely. Only what is happening in boundary in Denton.

Richter - Higher level question, does it apply to the Framework? I feel the language is more like a framework instead of a plan. It's more action oriented. Is there a breakdown in the slides to show transportation emissions, what are the steps based on this document? Barnett stated we keep shifting into the "how" and that we are trying to prioritize the targets and actions today, we will get to the how in next steps. Fraser stated that there's a framework of goals and then the implementation. Goal today is to get feedback, are these the right goals?

Richter - General frame is the more shifting on mile reduction, sounds like land use questions. Curious if we can communicate that within the transportation sector... how will I get from point A to point B? Wondering if this is an appropriate section. seems facilitating personal vehicle is trying to reduce is a little at odds with itself. How do we interpret those goals?

Fraser explained as we grow we are able to make choices in shorter trips and that they can walk or use alternate transportation. There is a need to reduce emissions to reach the goals. Helping people make that decision sooner rather than later is the idea.

Briggs - Long range change on development/ land use. We can encourage less transportation, but until that point this is the option we have.

Fraser - We don't typically have a land use section. Transportation is the most related.

Richter - On community wide actions, priority to make vehicle uses and wondering if getting that language into this plan is the goal related to public transit, increasing accessibility to transit, mode shifting, public feedback from Focus Group or putting into council document to communicate to council, DCTA. Fraser said that we could consider that.

Briggle - CAAP, we set it up with a chart about mitigation and break it into into sectors?

Fraser - Over time, we will have more of those co-benefits, retrofitting buildings, air quality and other benefits, surviving power outages in your home, etc.

Briggle - What are the actual goals here? More about quality of life and what kind of city we want to be. Escapes the capturing of net zero kind of thing. We could do EV's and get to net zero.

Richter - Embodied carbon in city use that we don't capture in our emissions, amount of energy, these are considerations that don't hit our emissions directly. How do we become a resilient city for 20-30-50 years down the road?

Fraser - Embodied carbons is not part of our plan. Plan covers scope 1 and 2. 10% of residences in Denton are not supplied with electricity from DME. We would still have some emissions from vehicles.

Fraser went on to discuss Water, Wastewater and Solid Waste. By 2030 decrease waste generated per capita by 30%. By 2030, identify and increase waste diversion rate to 30%. For the water side, reducing water leaks in potable water distribution by 10% and reducing water gallons per capita by 5% in part of reducing residential irrigation by 50%. By 2040, decrease waste generated per capita by 40% and increase waste diversion rate to 40% and to 75% by 2075. By 2040, reduce potable water use by 15% and by 2050, reduce gallons of water used per capita by 25%.

Continue and expand education on waste diversion. Provide resources to reduce waste. Explore options to maximize diversion of, fats, oils, and greases to create RNG.

Soph- Asked if renewable gas is still methane? Fraser said yes.

Fraser discussed the community wide actions such as encouraging efficient fixtures, increasing native plantings, reduction of water indoors/irrigation, and expanding reclaimed water (purple pipe network). City of Denton has targets to reduce waste generated by 40%, potable water by 40%. Reduce irrigation water to twice weekly, install low-flow/high efficiency plumbing fixtures in all buildings, and expedite the Comprehensive Solid Waste strategy actions.

Briggle - Emissions from W/WW sector, can you explain what is included? Is that moving water around, is that methane from landfill? Fraser stated some of it is, it takes a lot of energy to clean/process WW. Those are projected to rise over time due to economic growth.

Briggs - On the waste reduction, does that include our outside contracts? Are we working on reducing those? Fraser said it would be per capita in Denton, in terms of what is being produced in boundary. Briggs asked if we could bring in 2,000 tons from the outside and it wouldn't be counted for? We have several outside contractors that bring in more than the city. Douglas stated for typical emissions inventory that we conduct every other year, the emissions from the landfill would be captured in total because we operate the landfill.

Briggle - Fugitive emissions category, is the natural gas pipeline? Fraser stated it was.

Soph - How does the Recycling Program fit in to this? Fraser said it would be education, encouraging to recycle more. In town recycling processing and transportation is captured in the emissions.

Briggs - On the landfill capturing, there has been talk of future talk or doing those again, is that future counted in those reductions in the future? Barnett/Fraser- Has not yet been implemented so not in the current modeling, would be future action. We are not quite there.

Briggs - Watering - Is that just what will be when there's a drought or will that change in the future? Barnett stated that Stephen presented about this last month. We will be working and coordinating that in the plans.

Briggle - Recycling- in the context, what is the response? Barnett - We work on this every day. We do have what our markets are with Pratt. More recyclables are being recycled. We are recycling more. Reducing contamination. You can also go on a Pratt tour.

Fraser continued to discuss Buildings and Energy. By 2050, 68MW of generating capability to come from renewable sources with local control. By 2048, have 149MW of rooftop solar (Commercial, Residential, Government, etc.)

Soph - What is local control? Is that community solar? Fraser said it would be controlled by DME.

In 2024, review ability for new warehouses and data centers to be co-located with industrial buildings to harness waste heat. Reducing total energy used by industry by 30% between 2025 and 2035. In 2025, facilitate efficiency retrofit for 5% of buildings per year. Reduce electricity use by 25% and energy loss by 60%. Help residents switch to heat pumps by 2040. In 2025, 5% of new residents will have fully electric heat pumps. By 2028, all new construction will be net zero energy ready. Some actions to support these would be to develop additional zero emissions electricity sources to supply DME customers, ensuring zoning and building codes support solar-ready, assist community with retrofitting buildings, adjust zoning codes to embrace density and mixed use, continue support of rooftop solar, and adopt new building energy codes to maximize energy efficiency. Additionally, partner with industry to identify cost saving, energy reducing opportunities. Adopt green development standards for new construction and large reconstruction. Encourage non-residential buildings to consider on site renewable electricity generation.

City of Denton specific targets are retrofit all city facilities with LED lighting by 2030, exceed State Energy Conservation Office (SECO) electric usage reduction by 5% against 2019 baseline year by 2025. Researching renewable options.

Richter – Asked about the waste heat in the Industrial sector.

Briggs - Infrastructure, does that need to be planned before build or can it be done after? Fraser said retrofitting would be more costly. There is a lot of growth.

Richter - Why that target year? Fraser said that was the target year for the city to review.

Richter - Asked about the term net zero energy ready and to explain what that meant. Fraser responded that new construction would not use more energy than the home could produce, design, efficiency, solar and

Richter - We don't currently get that micro. What strategies have other cities used to meet that type of goal? Fraser said development code.

Briggs - Is there a city you could tell us that has done this? Fraser said Washington State has advanced maybe Austin.

Richter - Target numbers on heat pumps, we have rebates for residents, curious how do you meet that aggressive of a target? Fraser said it's based on trends. Biden Admin has industrial policy, incentivizing heat pumps, more supply. Brand asked about 2018 Texas Legislature. Fraser stated they are more efficient and will reduce energy cost over time. He asked about City of Denton plan, Barnett stated we have already done retrofits on some facilities. We have the Energy Efficiency Conservation Block Grants (EECBG) money coming for retrofits and a list of facilities that need the retrofit. We are trying to use the dollars.

Briggle - Sector question, how do we communicate with the public, recommend we are careful to talk about electricity, and segregate that out energy vs. electricity. What is the punchline here? Rethink our sectors? There are two main buckets for our city to work on, transportation and buildings.

Briggs asked if Fraser needing any additional prioritizations. Among the actions which would you like to see city address first.

Briggle – Earlier presentation and in meeting in a box, way of talking about most bang for the buck, focus our attention on things where we are capable of changing things... where are most emissions and where can we actually have leverage.

Richter - Some of these are easier to attain than others. Likes Strategic plan, is there a way as it gets outlined, is there a step-by-step progress that we can interact with residents... full operational control over. Weighted goals, what will really be impactful, more digestible. It allows continued for steps along the way. Fraser stated we can lay out longer term actions.

Soph – Definitely, a lot of progress. We need to make the public aware of the urgency. We need to enact ordinances into reality.

Richter - Struggles in communication in this plan. We were struggling with this feedback. Is there a way to communicate outside of this room with staff that enables people to participate? Putting the exclamation point on it. Fraser mentioned Katherine and her staff have tried several different

things. Developing a plan is one thing. The plan is to get insight and input from those who have specific recommendations. As far as implementing the plan, there is a lot the city can do to make that happen. This is the beginning.

Briggs - What do you need from us? Do you need prioritizations over building, or actions within each? Transportation is the biggest contributor. Fraser stated it was a mix, some sectors are a bigger issue than others. Briggie stated he agreed.

D. SFAC23-021 Staff Reports

The item was not presented, and discussion followed.

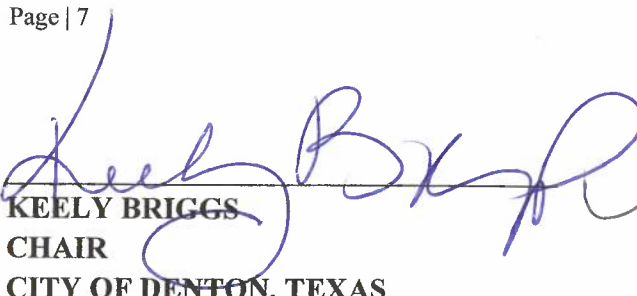
Following discussion, general changes were made to the Matrix.

- Soph - Questions about DME memo. Any info on this additional research? Bill Shephard-value of solar, third party. peg real value on it. Cost of service standpoint.
- Briggs – Would like offsite meetings at Pratt as a group to see what is going on.
- Briggie - Implementation questions, is that coming back? Barnett said yes.
- Briggs - Letter to Council on the nominations for our SFAC committee.

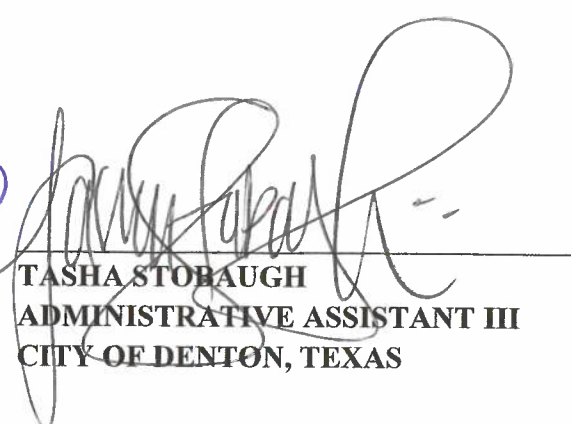
CONCLUDING ITEMS

With no further business, the meeting was adjourned at 2:18 pm.

Page | 7



KEELY BRIGGS
CHAIR
CITY OF DENTON, TEXAS



TASHA STORBAUGH
ADMINISTRATIVE ASSISTANT III
CITY OF DENTON, TEXAS

Minutes approved on: 7/28/23