Sustainability Commission

October 6, 2017
8:00 a.m. to 9:00 a.m.
City of Franklin –CDCR – City Hall

8:00 am	**Welcome/Introductions**	Andrew Orr
8:05 am	***Approval of Meeting Minutes**	Bob Moreo
8:05 am – 8:15 am	**Announcements:** November and December Meetings Updated Bylaws New Member Aldermanic Elections LEED for Cities Harlinsdale Pedestrian Bridge Walk to School Day Cancelled National Planning Month Vanderbilt Renewable Energy Forum	Andrew Orr
8:15 am – 8:45 am	***Litter Reduction Results and Strategy**	Andrew Orr Milissa Reierson
9:00 am	**Other News/Adjourn**	All

*Item contains an attachment or link

MISSION STATEMENT: The Sustainability Commission provides guidance to the Board of Mayor and Aldermen and the Planning Commission and leadership for the entire Franklin Community.

Bob Moreo (12/13/2019)   Todd Palmer (8/9/2019)
Will Dodson (12/13/2019)   Dana Kose (12/13/2019)
Mike Skinner (BOMA co-terminus)   Nancy Whittemore (10/13/2018
Patrick Baggett (Franklin Tomorrow co-terminus)   Micah Wood (11/10/2018)

The City of Franklin has committed itself to developing an ongoing strategy of sustainability for the community. This initiative will be designed to achieve viable, fulfilling, and rewarding lifestyles for our residents and business partners through responsible and innovative stewardship of the environment.

The Franklin Sustainability Commission held a regular meeting on Friday, August 4, 2017 at 8:00 a.m., in the Community Development Conference Room.

Members Present: Alderman Mike Skinner, Todd Palmer, Nancy Whittemore, Dana Kose, Will Dodson, Patrick Baggett, and Micah Wood

Members Absent: Chair Bob Moreo

Visitors: Stephen Price, Milissa Reierson, Mark Hilty, Jack Tucker

Staff Present: Andrew Orr, Elaine Ellis

Welcome/Introductions
Vice-Chair Kose called the meeting to order at 8:00 a.m.

Approval of Meeting Minutes
Ms. Whittemore moved, seconded by **Mr. Palmer** to approve the minutes from July 7, 2017. The motion was carried unanimously.

Announcements
September Meeting
Mr. Orr announced that the next meeting will be held on September 8, 2017.

Transportation Alternatives Grant
Mr. Orr stated that Governor Haslam announced that the City of Franklin (COF) would receive a grant for one million dollars for a greenway trail off Highway 96 West. In addition, TDOT awarded the COF a separate grant last year.

Other Announcements
Mr. Orr passed his Professional Energy Management training exam. He is now certified.
Mr. Orr stated that the Tennessee Recycling Coalition will meet at the Cool Springs Marriott August 13-15. **Mayor Moore** will lead the kickoff for the conference.
Becky Caldwell resigned from the SES department. **Jack Tucker** will be serving as Interim Director.
Mr. Stephen Price announced that a video featuring Buddy the Blue Bag will be featured on the website and facebook. The video shows the trail of where the blue bags go to be recycled.
Mr. Tucker stated that the City has the lowest contamination rate for recycling.

<u>**Litter Reduction Strategy**</u>

Mr. Orr stated the following concerning a litter reduction strategy for the City of Franklin:

Purpose: Raise community awareness and identify solutions.

1. Public outreach

☐ Conduct a litter index survey to determine the amount of roadside debris. This involves driving around Franklin and rating the amount of litter visible from City streets.

Note: *It was decided that fall would be the best time to conduct the tour. If both Alderman Skinner and Alderman Burger join the tour, public notice will need to be given. The tour will be conducted before the Streets Department conducts their litter pickup. The tour route will try to follow the same route as Keep Williamson Beautiful for a baseline.*

☐ Launch a social media campaign to raise awareness with weekly posts, a catchy hashtag, and a video highlighting ways to reduce unintentional litter.

Note: Stephen Price and Milissa Reierson be responsible for this.

☐ Create a webpage listing local resources and opportunities.

☐ Create a mechanism for reporting litter hotspots.

1. Building and neighborhood services and Streets Department

☐ Create anti-littering car decals to be placed on fleet vehicles.

☐ Provide signage, as part of the permitting process, to be placed on commercial dumpsters reminding contractors to "keep it covered".

☐ Include materials with building permits to maintain clean construction sites.

☐ Require signs be placed at residential construction sites containing contact information to report litter as well as other issues that could arise.

☐ Use municipal staff to conduct periodic street clean-ups.

2. Sanitation and Environmental Services

☐ Create stickers or decals for new rollout bins reminding citizens to bag their trash and to recycle.

Note: *Mr. Orr* *stated the decals would be distributed to homes via the Home Owner Associations.* *Ms. Reierson* *stated that notice could be given through Nextdoor.com, and volunteers could be recruited to pass out the decals.* *Mr. Tucker* *stated the decals would not stick to the new trash bins. It was also suggested that the Boys Scouts may be willing to pass the decals out for a project.* *Ms. Reierson* *suggested adding the wording "bagged" trash only on the molded bins.*

☐ Design large wraps to be placed on refuse trucks discouraging litter.

Note: *Mr. Tucker* *stated that he agreed this would be a good idea.* *Mr. Tucker* *stated that he would look at the budget. He stated this was working well for Nashville.* *Ms. Reierson* *stated that the campaign would be "Stay Classy Not Trashy".*

☐ SES already provides support to various clean-up efforts throughout the year.

3. Interagency Coordination

☐ The Williamson County Jail uses inmates to clear roadsides of trash and debris. Sergeant Stephens overseas this program.

☐ Interested volunteers can contact Keep Williamson Beautiful (KWB) to obtain litter cleanup kits which include safety vests, litter pickers, gloves, hand sanitizer, trash bags, and safety signs. KWB also has various other volunteer opportunities throughout the year.

☐ The Tennessee Department of Transportation (TDOT) has an online form and also a toll-free number citizens can call to report litter. More information is available here: https://www.tn.gov/tdot/article/litter

Mr. Orr stated that **Chair Moreo** will present this strategy to the Board of Mayor and Alderman (BOMA) on August 22, 2017. **Mr. Hilty** asked **Mr. Orr** to coordinate the materials for the BOMA meeting. **Ms. Reierson** will update the PowerPoint presentation to include the strategy. **Alderman Skinner** stated that the budget as recently set, and this may have to wait until the first of the year. **Mr. Baggett** stated that Franklin Tomorrow may be able to help with the cost of the "wraps".

Ms. Whittemore asked if the Post Office recycles their trash. **Mr. Tucker** stated he would ask.

Mr. Orr asked **Mr. Tucker** what the recycle participation rate is. **Mr. Tucker** stated it is approximately 60%.

<u>**LEED for Cities**</u>
Vice-Chair Kose gave a presentation about LEED for Cities. This is a pilot program that was started in December, 2016.

 Below are the highlights of the presentation:

Purpose: To cultivate sustainable cities and communities:

- *To realize the vision and achieve their goals for communities, USGBC has developed the LEED for Cities and LEED for Communities certification programs.*
- *USGBC looked at what LEED has done for buildings and asked, "How do we bring our experience with market transformation to support cities, in their journeys?"*
- *With Arc and LEED, the ability to synthesize detailed information into easily understood scores, and to enable internal and external comparison, was key.*
- *These are pilot certifications, approved by the LEED Steering Committee, and available for at least the next year. Cities can receive a certification to the pilot version.*

ARC - Any community of any size can use the Arc platform to measure performance at the community-scale and achieve LEED precertification and certification if desired.

Action Oriented Measurable Green Performance.

- *These LEED certification programs are available only on Arc and they leverage the community-scale performance score available in the Arc platform.*
- *This performance score is based on measured data from the place.*
- *The basic eligibility requirements for participation are that the place can define its boundaries, has a population of people using the area, and has a managing entity that can document the requirements and provide the data for the performance score for that area.*
- *The requirements are the same for both LEED for Cities and LEED for Communities.*
- *Any place that considers itself a city, may register as a Cities project type in Arc and choose whether to pursue LEED for Cities certification for the **whole** city.*
- *Any place that does NOT consider itself a city registers as the Communities project type in Arc and can choose whether to pursue LEED for Communities certification.*
- *Places that might want to use the Communities project type include – but are not limited to – business improvement districts, neighborhoods, large private developments, towns, or even regions.*

Leed for Cities:
- *As they have traveled around the world, supporting LEED building projects in over 165 countries, USGBC has repeatedly received requests to apply LEED to improve outcomes at the city scale. Arc and LEED for Cities answer this request.*
- *From a mission perspective, USGBC wants cities to constantly improve and wants to support that continuous progress. LEED for Cities does this by asking a city to set goals and then to implement strategies to maintain and support these goals.*
- *The city then shares performance data to measure and track progress toward those goals in Arc.*

- *The program allows cities to leverage the wide range of existing protocols and frameworks for sustainable development. LEED for Cities does not tell a city which strategies to use, but rather connects those strategies to performance outcomes and then tracks and compare progress via the performance score.*

Benefits:
- *As USGBC has communicated the program to places around the world, they have heard city stakeholders tell us what they think it can help them do.*
- *First and foremost, the program can help make environmental, social, and economic activities at the city-scale visible via the performance score.*
- *That visibility helps decision makers demonstrate their commitment to a higher quality of life, education residents and visitors about the importance of the steps they are taking, and supports any reporting the city is producing.*
- *Arc provides a single platform for data collection and tracking, scoring, and analysis and reporting in a holistic manner.*
- *These functionalities, along with LEED certification, can help cities meet their climate action goals and communicate their performance in a way that is consistent so that they can compare it to the performance of other places, or of places – like a neighborhood – within a larger community.*
- *And the performance scoring can help them pinpoint gaps in order to identify policies that will help the city improve.*
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Scoring: City Provides data across 5 categories to generate score.
- *To get a score, projects will submit data across five categories, which results in a score of 1 to 100. This score is the basis for certification. The categories are:*

  - *Energy;*
  - *Water;*
  - *Waste;*
  - *Transportation; and*
  - *Human Experience, which includes four sub-categories:*
    - *Education, Prosperity, Equitability, and Health & safety.*

Flexible & Scalable Platform
- *The performance score simplifies urban complexities by combining 14 metrics across the five categories into the 1 to 100 score.*
- *Arc also has the flexibility to accept data on 250+ quantitative & qualitative parameters for more detailed tracking and reporting.*

There are five key steps to using Arc and pursuing LEED for your city:
1. *Register your city in Arc.*
2. *Satisfy initial requirements to Pre-certify.*
3. *Submit performance data that covers a full year to receive a score for your city.*
4. *Receive review of the initial requirements and your performance data and score by GBCI.*
5. *Achieve LEED for Cities Certification.*

Registration:
- *Register any place in Arc. As soon as you register your place, you will be able to input any of the 14 metrics to see how it scores.*
- *Arc offers two project types for places: Cities and Communities. Select the one that is appropriate for your project.*
- *There is no requirement to pre-certify or certify after you register.*
- *During registration, an authorized representative of the local authority or other entity managing the project in Arc signs a service agreement, and pays a registration fee. They can elect to pay immediately by credit card, or choose to receive an invoice by email.*
- *The fee schedule is available online at the USGBC website: http://www.usgbc.org/cert-guide/fees#cities*

Cities and Communities Fees

CITIES AND COMMUNITIES FEES	SILVER, GOLD AND PLATINUM LEVEL MEMBERS		ORGANIZATIONAL OR NON-MEMBERS	
REGISTRATION	$2,500		$5,000	
PRECERTIFICATION				
Fee	$4,000		$5,000	
Expedited review (reduce from 20-25 business days to 10-12, available based on GBCI review capacity)	$5,000			
CERTIFICATION REVIEW	**RATE**	**MINIMUM**	**RATE**	**MINIMUM**
Project gross area: less than 50 sq km	$320/sq km	$10,000	$384/sq km	$12,000
Project gross area: 50 - 99 sq km	$310/sq km	$16,000	$372/sq km	$19,200
Project gross area: 100 - 149 sq km	$300/sq km	$31,000	$360/sq km	$37,200

Precertify
- *Confirm eligibility by identifying the governance structure, decision makers and stakeholders, and geographical boundaries of the project.*
- *Conduct a charrette during which the city either sets performance goals for the city, or identifies existing goals, and links goals to the outcomes that the performance score measures (across the five categories).*
  - *This may include goals from the city's existing plans, including and not limited to the following types of plans: Comprehensive Plan, Master Plan, Capital Development Plan, Sustainability Plan, Resiliency Plan, or Smart City Plan, et al.*
- *Submit a Roadmap, containing the goals, and including specific strategies and timelines for implementation, as well as education, awareness, and engagement efforts.*
  - *Strategies may leverage existing rating systems to certify components of the community. The platform will connect your project to these systems, including LEED for New Construction, LEED for Existing Buildings, LEED for Neighborhood Development, SITES, PEER, GRESB, Parksmart, WELL, Zero Waste, EDGE, and others.*
- *Commit the city to sharing the 14 metrics that create the performance score.*

Scoring: Based on the data shared across the five categories, the city will receive a performance score in Arc. Once the city has provided data that covers one year, GBCI will review the data and documentation submitted by the city to clarify the methodology and source of the data. LEED certification occurs by meeting the initial requirements listed under Precertification, achieving a

performance score of 40 or more, and successful review by GBCI. Certification levels are: 40 to 49 for Certified, 50 to 59 for Silver, 60 to 79 for Gold, and 80 to 100 for Platinum.

Energy: Score of 0-33; (Parameter: Greenhouse Gas Emissions (CO_2 equivalent), Unit: Tons/Year/Person)

Water: Score of 0-15; (Parameter: Domestic Water Consumption, Unit: Gallons/Year/Person)

Waste: Two dimensions formulate the score of 0-8;

> *1) (Parameter: Municipal Solid Waste Generation Intensity, Unit: Tons/Year/Person)*

> *Total municipal solid waste generated from entire city and all sectors, including commercial, residential, industrial and public places.*

> *2) (Parameter: Municipal Solid Waste Diversion Rate from Landfill, Unit: % of Total Waste Collected)*

Transportation: Score of 0-14;

(Parameter: Vehicle Miles Traveled on Individual Vehicles Daily, Unit: Miles or Kilometers)

Cities that are compact, walkable and offering extensive alternative public infrastructure will have less Vehicle miles traveled on individual vehicles.

Human Experience: 9 parameters across four sub-categories formulate the score of 0-20;

1) Education: Two parameters formulate the Education score.

> *a) (Parameter: Population with (at least) a High School Degree, Unit: % of Total Population in a City)*

> *b) (Parameter: Population with (at least) Bachelor's Degree, Unit: % of Total Population in a City)*

2) Equitability: Two parameters formulate the Equitability score.

> *a) (Parameter: Median Gross Rent, Unit: US Dollars per Year) Gross rent is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water and sewer) and fuels (oil, coal, kerosene, wood, etc.) if these are paid by the renter (or paid for the renter by someone else).*

> *b) (Parameter: Gini Coefficient) The Gini coefficient indicates the qualitative understanding of the income distribution of a city's residents, and is a commonly used measure of inequality (further information can be found at: http://data.worldbank.org/indicator/SI.POV.GINI).*

3) Prosperity: Two parameters formulate the Prosperity score.

a) (Parameter: Median Household Income (USD per Year). Household Income includes income of the householder and all other people 15 years and older in the household, whether or not they are related to the householder.

b) (Parameter: Unemployment rate, Unit: %) Unemployment is calculated dividing the number of unemployed individuals by all individuals currently in the labor force.

4) Health and Safety: Three parameters formulate the score for Health and Safety.

a) (Parameter: Median Air Quality Index) The Air Quality Index (AQI) focuses on key local air pollutants impacting health.

b) (Parameter: Air Quality Days Unhealthy for Sensitive Groups, Unit: Days)

c) (Parameter: Violent Crime, Unit: per capita per year) Violent crime is composed of four offenses: murder and non-negligent manslaughter, rape, robbery, and aggravated assault.

Open and Integrated: Arc provides an open and integrative platform, so that cities can leverage strategies from diverse rating systems, standards, protocols and guidelines to improve performance.

- *To realize the vision and achieve their goals for communities, USGBC has developed the LEED for Cities and LEED for Communities certification programs.*
- *USGBC looked at what LEED has done for buildings and asked, "How do we bring our experience with market transformation to support cities, in their journeys?"*
- *With Arc and LEED, the ability to synthesize detailed information into easily understood scores, and to enable internal and external comparison, was key.*

A discussion ensued between **Mr. Baggett**, **Ms. Whittemore**, and **Ms. Kose** concerning the following:
- Gathering of data for certification.
- Maintenance of the certification.
- How would the COF benefit to justify the cost of $29,000.
- Pre-registration cost would be $5,000.
- Franklin Forward data supplies current data.
- Concerns about investing in a new program (not established).
- How much staff time would be required to maintain.
- Talk with Chamber to set up call with the USGBC.

Other News/Adjourn
There being no further business, the meeting adjourned at 9:07 am.

ACTION ITEMS

- **Mr. Orr** will send out a meeting invitation for the next Sustainability meeting on September 8, 2017.
- **Mr. Orr** will update the agenda to update the commission members.