



FARMERS
BRANCH

Sustainability Updates: Committee and Solar

Sustainability & Public Health
July 13, 2021

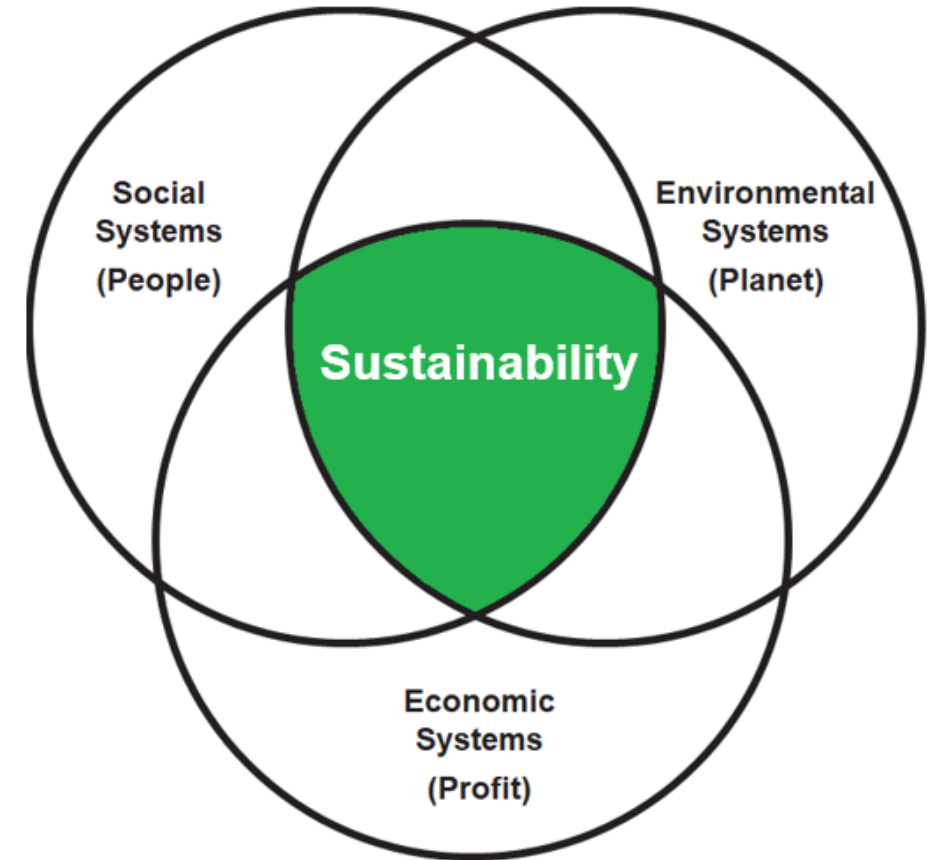


Sustainability Committee Background

- Sustainability Committee established in 2016 as an offshoot of the ad hoc curbside recycling committee
- Committee was sunset in 2020
- Council approved Resolution No. 2021-042 to re-establish the Sustainability Committee in April 2021
- Committee will begin meeting in August
 - Council to select committee Chair

Committee Information and Challenges

- Sustainability is expansive and interdisciplinary
- Identification of past committee challenges
- Best practices of other committees
 - Farmers Branch and other cities
 - Resident input on framework and planning



Planned Committee Actions

- Review and provide feedback on Sustainability Plan
- Begin research consistent with the framework for future Council consideration
- Leverage members' lived experience to guide City strategies and programs
 - Critical Business Outcome 7 (Execute Sustainability Initiatives)

Focus Areas



Built Environment



Transportation



Natural Resources



Zero Waste



Economic Wellness & Resilience



Community Vitality

Solar Project Background and Update

- City Council unanimously adopted Ordinance No. 3640 to provide \$1,286,000 in funding for solar installations at Manske Library, Recreation Center, and Fire Station #2
- The final cost of the installations was \$267,265 under the budgeted amount
- Change order is underway for the installation of additional panels at Manske Library



Production Data

- As of July 1, 2021 (3:45 p.m.)
 - 260,490 kWh produced
 - \$27,351 avoided cost of electricity
 - 110 MTCO₂e avoided
- Comparisons and Context
 - Average home electricity usage: 12,000 kWh annually
 - Avoided emissions are equivalent to:
 - 3,048 trees planted
 - 121,500 pounds of coal burned



Solar Project Update

- Opportunity to use remaining funding to install additional solar infrastructure
- Cost of additional solar will **NOT** exceed allocated amount
- Solar Feasibility Study identified other buildings
 - Margaret Young Natatorium
 - Estimated year one production: 94,583 kWh
 - Similar in size and payback time to Fire Station #2
 - Cost recovered in year 9
 - 30 year savings: \$365,534

Margaret Young Natatorium Proposed Solar Layout



A decorative graphic on the left side of the slide featuring stylized blue leaves of various shapes and sizes, arranged along a diagonal branch. The background is a solid dark blue, with a light blue horizontal bar at the top and a light green horizontal bar at the bottom.

Questions