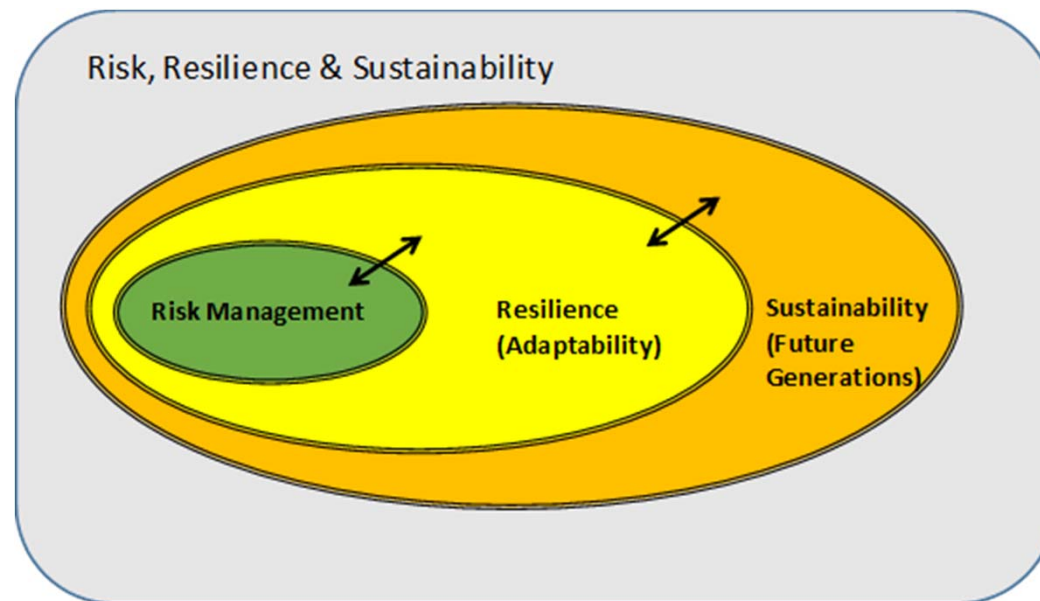


Sustainability Committee Update to BOC

June 23, 2020

Sustainability

- Sustainability focuses on meeting the needs of the present without compromising the ability of future generations to meet their needs.

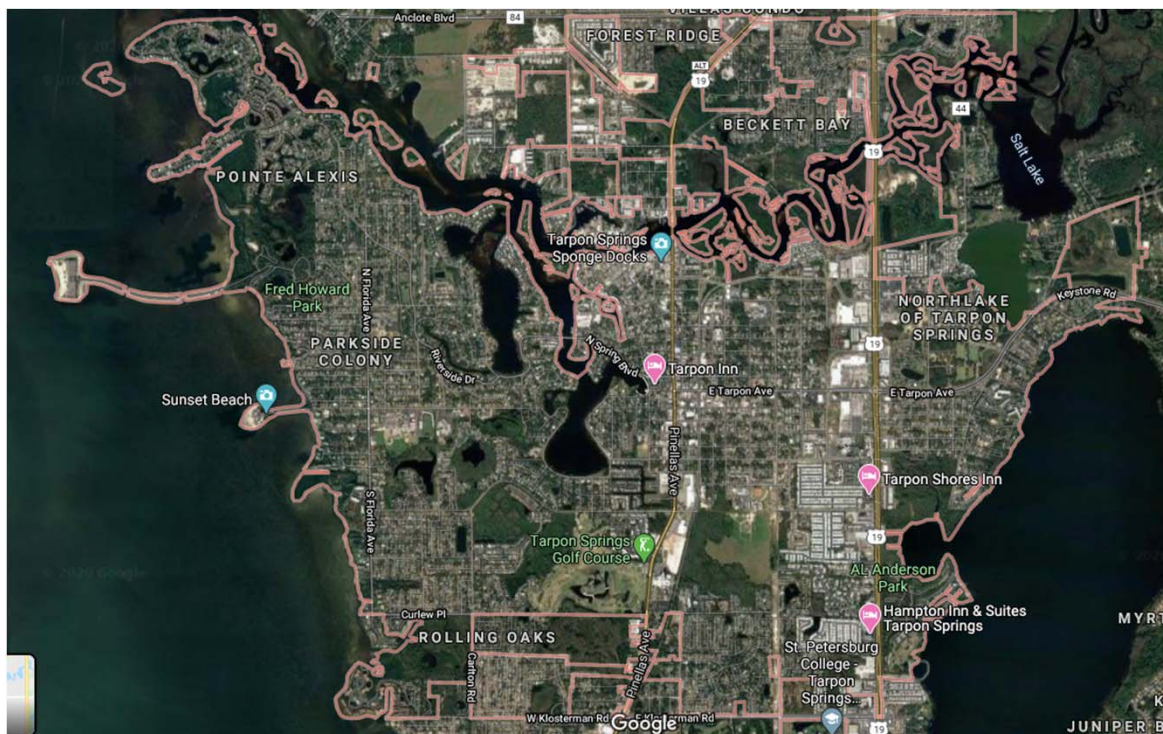


What is the Urgency for Sustainability as a Community?

- Shoreline
- Sea Level Rise
- Heat Index
- Public Health
- Quality of Life
- Preserving clean water, natural areas, sensitive ecosystems, fishing
- Financial impact
- Resiliency

What is the Urgency for Sustainability as a Community? Shoreline

- Shoreline – 46 miles of waterfront property
- [City of Tarpon Springs Economic Impact of Marine Commerce and Tourism Industries*](#)
 - Total Impact – \$252.0 million annually



What is the Urgency for Sustainability as a Community? Sea Level Rise

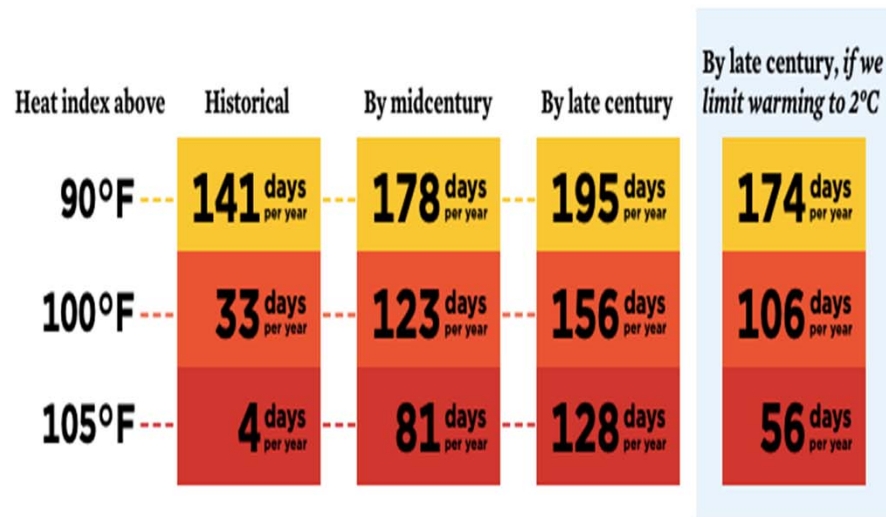
When Mean Sea Level Increases by 2.95 Feet	Estimate
Value of Submerged Residential Property in 2015	\$14.9 Billion
Value of Submerged Commercial Property in 2015	\$1.3 Billion
Cumulative loss of Property Taxes (2020-2060)	\$5.4 Billion
Job Losses in submerged areas	17,184



[TBRPC Cost of Doing Nothing: Economic Impacts of Sea Level Rise in the Tampa Bay Area](#)

What is the Urgency for Sustainability as a Community? Heat Index

Annual Days of Extreme Heat Per Year in Florida's 12th District

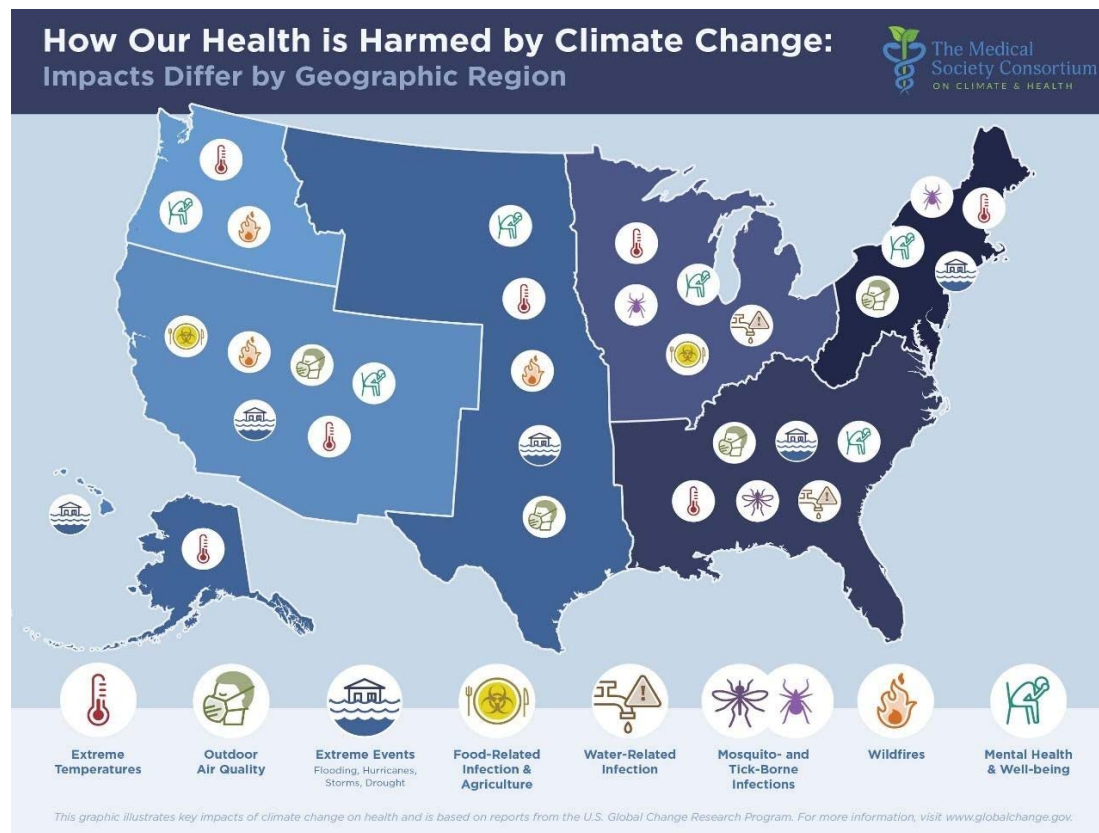


With no action to reduce global heat-trapping emissions, the average frequency of extreme heat in this district would rise as shown here. Taking rapid action to reduce emissions and cap future global warming at 2°C (3.6°F) would limit the increase in extreme heat days. For more information and detailed data, visit www.ucsusa.org/killer-heat.



The Link Between Greenhouse Gases and Temperature, 1850-2009
Source: Carbon Dioxide Information Analysis Center, 2010. <http://cdiac.ornl.gov/> and National Oceanic and Atmospheric Administration, 2010. www.noaa.gov

What is the Urgency for Sustainability as a Community? Public Health



What is the Urgency for Sustainability as a Community? Quality of Life



What is the Urgency for Sustainability as a Community?

Preserving Natural Areas

- Preserving clean water, natural areas, sensitive ecosystems, fishing



What is the Urgency for Sustainability as a Community?

Financial Impact

- Some investors already have begun to factor climate change into their decisions. (Bond ratings)
- Lenders looking preferentially to communities already working to mitigate climate impacts
- Tourism
- Fishing



What is the Urgency for Sustainability as a Community?

Resiliency

- Resiliency – allows us to better respond to a broad range of stressors
- More frequent storms are only one example....
- Resiliency must include members that are most vulnerable



Work Completed to Date

- Committee Members include:

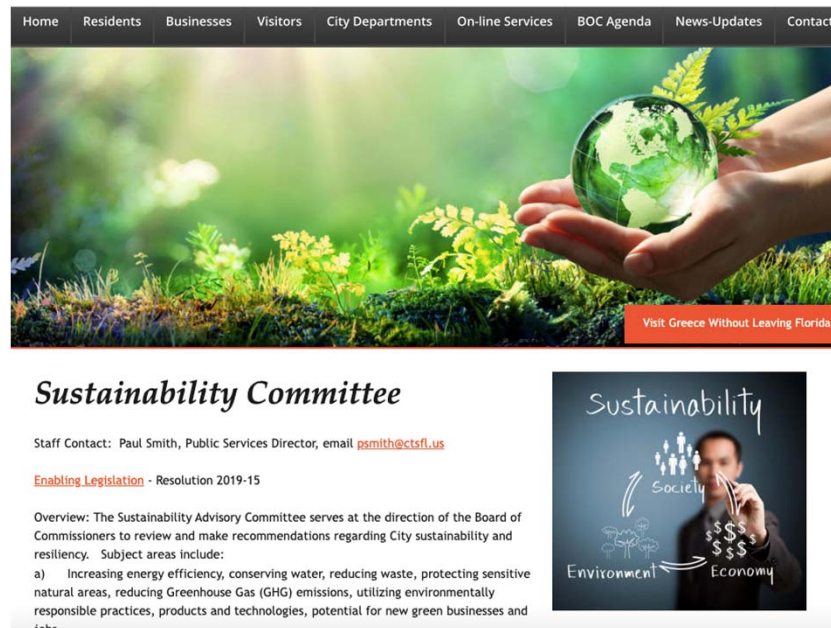
- Dory Larsen, Chair
- Dr. Paul Robinson, Vice Chair
- Karen Gallagher
- Taylor Mandalou
- Denise Mannino
- Judy Nelson
- Robin Saenger



- The Committee has met monthly on the 3rd Thursday at 6:00 pm, 2nd Floor, City Hall up to March 2020, before pandemic
- The Committee has continued work on individual assignments for report preparation

Work Completed to Date

- New Sustainability Webpage on City Website.



The screenshot shows the top navigation bar of the City of Gainesville website with links for Home, Residents, Businesses, Visitors, City Departments, On-line Services, BOC Agenda, News-Updates, and Contact. Below the navigation is a large banner image of hands holding a green globe with a plant growing on it, set against a background of sunlight filtering through trees. A red button in the bottom right corner of the banner reads "Visit Greece Without Leaving Florida".

Sustainability Committee


Staff Contact: Paul Smith, Public Services Director, email psmith@ctsfl.us

[Enabling Legislation](#) - Resolution 2019-15

Overview: The Sustainability Advisory Committee serves at the direction of the Board of Commissioners to review and make recommendations regarding City sustainability and resiliency. Subject areas include:

- Increasing energy efficiency, conserving water, reducing waste, protecting sensitive natural areas, reducing Greenhouse Gas (GHG) emissions, utilizing environmentally responsible practices, products and technologies, potential for new green businesses and

inhx



A diagram titled "Sustainability" showing a person pointing to a central point where three arrows meet. The arrows are labeled "Society", "Environment", and "Economy". There are also dollar signs and a tree icon near the "Economy" and "Environment" labels.

- <https://www.ctsfl.us/sustainability.htm>

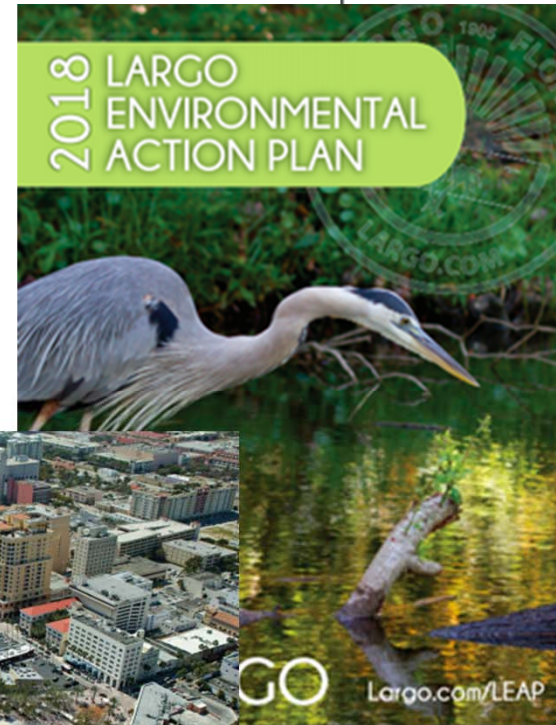
Work Completed to Date

- Review of Past and Current City Sustainability Activities.
- Presentation: [*City Sustainability Initiatives and Practices*](#)



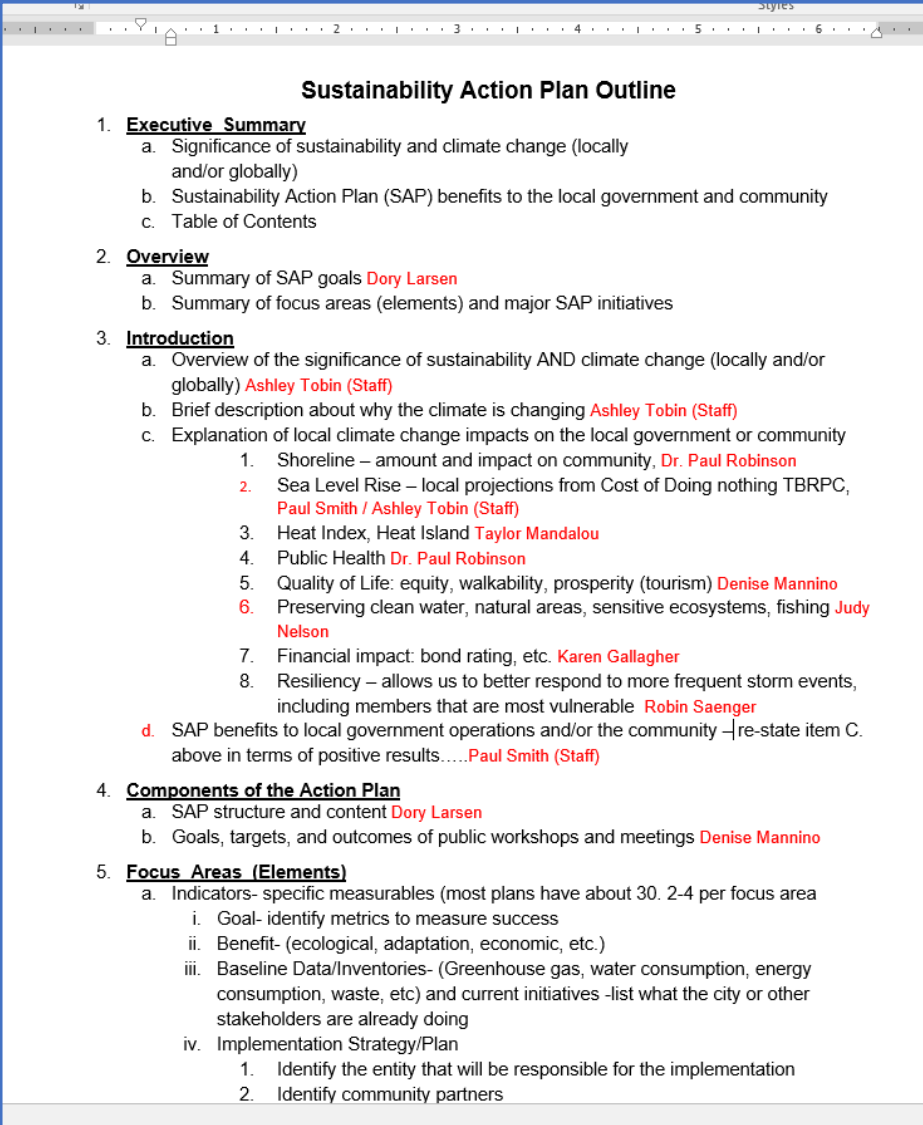
Work Completed to Date

- Review of Example Sustainability Action Plans



Work Completed to Date

- The Committee has started drafting the City's First Sustainability Action Plan
- Committee members have collaborated on an outline and continue working through a common outline on individual sections



Sustainability Action Plan Outline

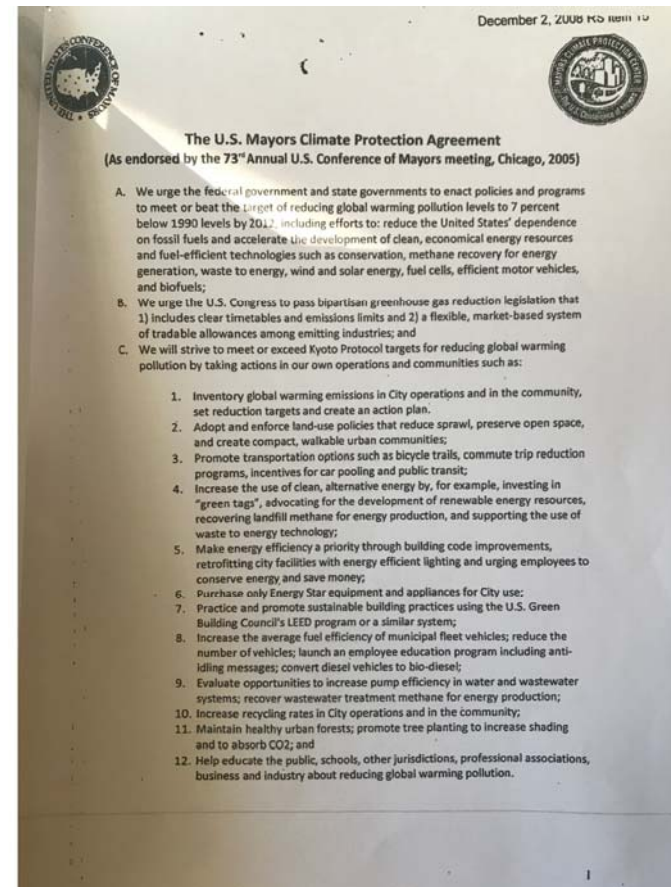
- 1. Executive Summary**
 - a. Significance of sustainability and climate change (locally and/or globally)
 - b. Sustainability Action Plan (SAP) benefits to the local government and community
 - c. Table of Contents
- 2. Overview**
 - a. Summary of SAP goals **Dory Larsen**
 - b. Summary of focus areas (elements) and major SAP initiatives
- 3. Introduction**
 - a. Overview of the significance of sustainability AND climate change (locally and/or globally) **Ashley Tobin (Staff)**
 - b. Brief description about why the climate is changing **Ashley Tobin (Staff)**
 - c. Explanation of local climate change impacts on the local government or community
 1. Shoreline – amount and impact on community, **Dr. Paul Robinson**
 2. Sea Level Rise – local projections from Cost of Doing nothing TBRPC, **Paul Smith / Ashley Tobin (Staff)**
 3. Heat Index, Heat Island **Taylor Mandalou**
 4. Public Health **Dr. Paul Robinson**
 5. Quality of Life: equity, walkability, prosperity (tourism) **Denise Mannino**
 6. Preserving clean water, natural areas, sensitive ecosystems, fishing **Judy Nelson**
 7. Financial impact: bond rating, etc. **Karen Gallagher**
 8. Resiliency – allows us to better respond to more frequent storm events, including members that are most vulnerable **Robin Saenger**
 - d. SAP benefits to local government operations and/or the community –re-state item C. above in terms of positive results.....**Paul Smith (Staff)**
- 4. Components of the Action Plan**
 - a. SAP structure and content **Dory Larsen**
 - b. Goals, targets, and outcomes of public workshops and meetings **Denise Mannino**
- 5. Focus Areas (Elements)**
 - a. Indicators- specific measurables (most plans have about 30. 2-4 per focus area
 - i. Goal- identify metrics to measure success
 - ii. Benefit- (ecological, adaptation, economic, etc.)
 - iii. Baseline Data/Inventories- (Greenhouse gas, water consumption, energy consumption, waste, etc) and current initiatives -list what the city or other stakeholders are already doing
 - iv. Implementation Strategy/Plan
 1. Identify the entity that will be responsible for the implementation
 2. Identify community partners

What is a Sustainability Action Plan?

- A Sustainability Action Plan (SAP), builds a framework toward a sustainable future by guiding our actions over a set time frame with the intent to realign at scheduled intervals.
- It establishes goals, objectives, strategies, timelines, metrics, and responsible parties in topic areas.
- A SAP is a **living** and **evolving** document that guides us.

Work Completed to Date

- Review of resources and partnerships.
- In 2008, Tarpon signed on to the US Conference of Mayors Climate Protection Agreement
- In 2018, Tarpon joined the Tampa Bay Regional Resiliency Coalition



Work Completed to Date

- Baseline data are important measures of progress.
- The Committee is working through which baseline parameters to track, these may include:
 - Greenhouse gas emissions
 - Energy use
 - Water use
 - Waste production
- Staff is working with Duke energy to collect electrical baseline data, and other parameters will follow.

Future Recommended Projects and Goals

- Complete information gathering phase to achieve a common level of Committee understanding of existing City policies, plans, and sustainability projects.
- Also compile elements of successful recent approaches of other communities.
- Collect vulnerability data for a vulnerability assessment.

Future Recommended Projects and Goals

- Community engagement is an essential component of successful sustainability action.
- Develop a recommendation for community engagement to include all segments of the population and businesses.

Future Recommended Projects and Goals

- Continue to develop and complete Sustainability Action Plan and recommend resources needed to complete the SAP: i.e. staff, Committee, public, agency, and consultant roles.
 - Committee input
 - Reach out to other communities
 - Look for University assistance
 - Note: City should keep close tabs on County work so as to utilize this work as much as possible and reduce our costs/effort.

Future Recommended Projects and Goals

- Review proposed Land Development Code Amendments for recommendations related to promoting Sustainability.