

U of A Sustainability Council Agenda
Davis Hall Rm. 111 (Conference Room)

Tuesday

April 9th, 2019

3:00-4:30



Meeting Agenda

1. Introductions
2. Co-chair updates
 - a. Executive Director, Arkansas Resiliency Center, Marty Matlock
 - b. Associate Vice Chancellor, Facilities Management, Mike Johnson
 - i. SEFOR – last radioactive materials removed in March. Workers took split samples from the site and nothing was detected. The goal is to have no further action required status.
 - c. ASG Sustainability Chair, William Motazed
 - i. Resolution for implementation for more sustainable use of plastic in the union passed—plastic bags on request only, sauce dispensers instead of single serve packets
 - ii. ASG bought 2 bike helmets and had 2 donated, gave away to students for safety awareness
 - iii. SB145 passed and signed by Governor—consumer focus group coming in October
3. UA + CoF Resilience Assessment
 - a. Slides attached
 - b. Looking forward—include other cities in NWA to see how they can engage, strength in numbers
4. UA carbon footprint working group
 - a. Meetings have been going well—going to start reporting back conclusions and recommendations to UASC
5. Earth Day/Week details
 - a. Calendar attached
6. Oak Ridge Trail ribbon cutting
 - a. Tentatively scheduled for May 1, 2019
7. RiverBlue film screening April 9th at 5:30
8. 5th Annual Bike Fest is Friday April 12th at noon at Peace Fountain
9. April 9 is the Fayetteville Bond Special Election
10. Good-of-the-Order
 - a. Rate changes for trash and recycling
 - b. Now offering recycling at apartments of 24 units or less
 - c. Eliminating fee for multifamily recycling
 - d. On track for 100% clean energy by 2030
11. Adjourn



CITY OF
FAYETTEVILLE
ARKANSAS



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2018 Climate Resilience Assessment

Sustainability VS Resilience

- **Sustainability**




- Sustainable development: development that meets the needs of the present without compromising the ability of future generations to meet their own needs

- **Resilience**

- Resilience: the ability of a system or community to to survive disruption and to anticipate, adapt, and flourish in the face of change
 - **Recover** from short-term disruptions
 - Adapt to long-term trends

MORE SUSTAINABLE
(Resource Productivity)

LESS RESILIENT

-  Nuclear Energy
-  Rain Harvesting
-  Lean Production

-  Smart Grid
-  Grey Water Use
-  Distributed Assets

MORE RESILIENT
(Adaptive Capacity)

-  Corn Ethanol
-  Bottled Water
-  Business as Usual

-  Diesel Backup
-  Desalination
-  Redundancy

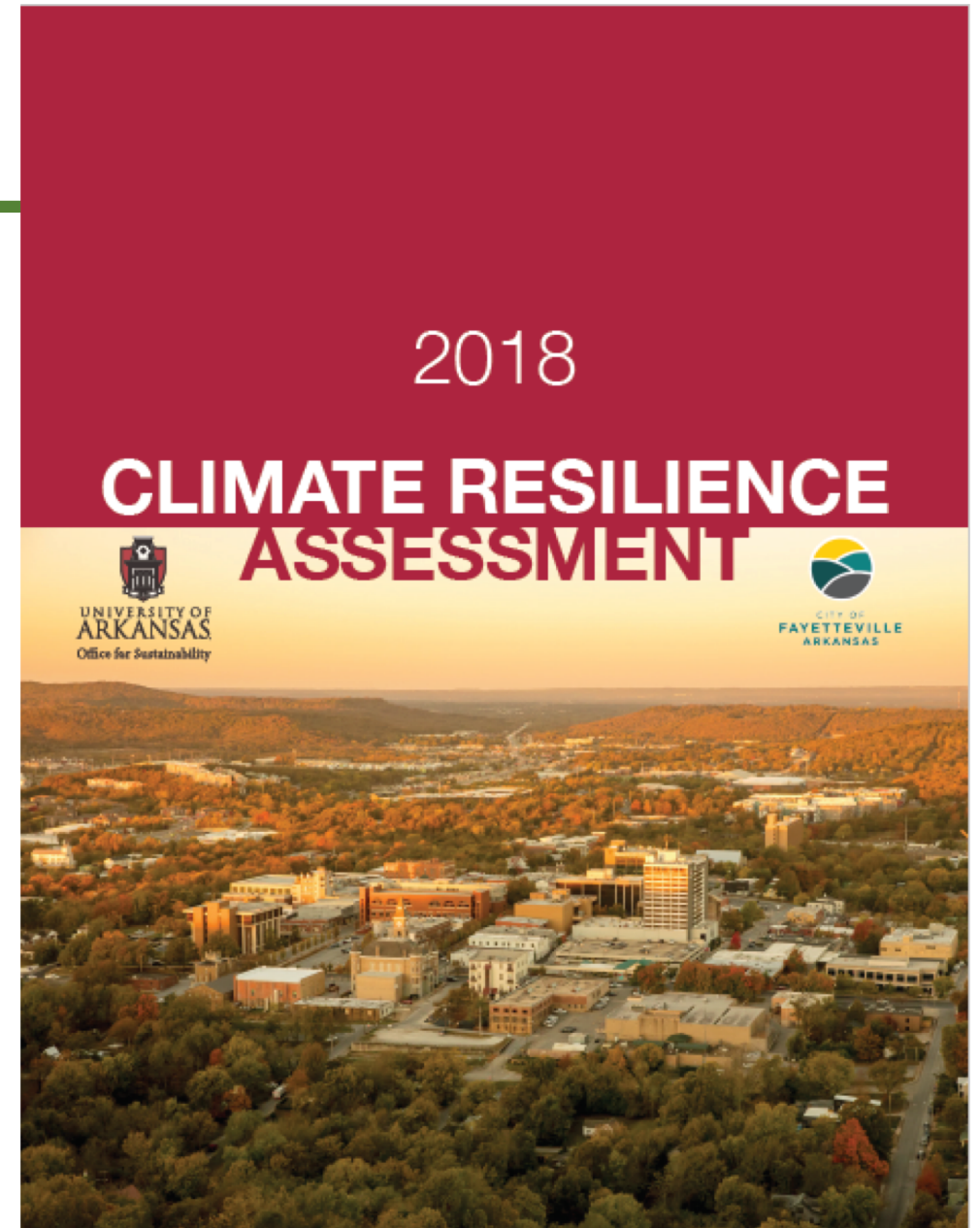
LESS SUSTAINABLE

Key Characteristics of Climate Resiliency

- **Flexibility**
 - Adapt as we understand more
- **Inclusiveness**
 - Like an ecosystem, everything is connected, and diversity is essential to a healthy ecosystem
 - Underrepresented populations likely need extra consideration
 - Partner with other communities and stakeholders
- **Learning**
 - Knowledge exchange
 - Using metrics to track progress

The Process

- Engagement
- **Assessment**
 - Inventory
 - Prioritize
- Planning
- Implementation
- Evaluation
- Iteration



What?

- **Collaborative Strategy** from the University of Arkansas Office for Sustainability and the City of Fayetteville
- Five **stakeholder meetings** aimed to identify the Northwest Arkansas region's vulnerabilities, strengths, and areas for improvement in terms of sustainability and community resilience
- A **survey** to identify the most significant strategies
- An **assessment report** to communicate the importance of climate resilience to stakeholders and community members

Why?

- **Resilience planning** develops systems and networks that can react to unexpected events
- **Inspire a culture** of resilient thinking within Fayetteville, beginning with collaboration from key stakeholders
- **Start conversations** that will allow the community to identify more stakeholders and move towards finding successful strategies

5 Domains



SOCIAL



HEALTH



NATURAL



PHYSICAL



ECONOMIC

1. Social

- Governance, community identity, engagement, and connectivity

2. Health

- Health, wellness, and quality of life

3. Natural

- Biodiversity, ecosystem health, and green spaces

4. Physical

- Infrastructure, energy, stormwater management, transportation

5. Economic

- Wage of living, tourism, local business health

Extreme Weather Scenarios

These scenarios were based on historic extreme climate data for Fayetteville, AR from 1892 to present.

- Heat Stress
- Drought
- Flooding



Strengths

- The key stakeholders identified aspects of the City of Fayetteville that make the city more resilient to the three extreme climate scenarios
- The most significant strengths were:
 - Land Conservation
 - Topography
 - Community
 - Beaver Lake



Vulnerabilities

- The discussion within the stakeholder meetings identified vulnerabilities within Fayetteville if no actions were taken to bolster city resilience.
- These vulnerabilities were drawn upon to construct narratives of what Fayetteville would be like in the face of Extreme Heat, Drought, or Extreme Precipitation.
- **The most significant vulnerabilities were:**
 - Water infrastructure damage potential
 - Water supply, water quality, single source
 - Recreation impacts
 - Political climate
 - Electrical distribution



Survey

- A survey was developed to select what the key stakeholders viewed as the **most significant strategies** that could be used to cultivate community resilience.
- Question topics included:
 - Water supply
 - Land use
 - Agriculture
 - Infrastructure
- Stakeholders evaluated and ranked proposed strategies

Identified Strategies for Increased Community Resilience

1. Improvement of **Land Conservation** and Protection Practices
 - Identify and implement Best Management Practices for affected areas
2. Implementation of **Stormwater Management** Practices
 - Install Low Impact Development Features which encourage stormwater capture
3. Development of a **Wildfire Prevention** Plan and Burn Ban Communication Strategy
 - Amplify community engagement
 - Encourage prescribed fires on publicly held lands to reduce future wildfire risk
4. Improvement of **Energy Conservation and Generation** Programs
 - Energy conservation incentives
 - Develop and deploy renewable energy generation facilities

Conclusions

- Started conversation regarding climate resilience
- Identified strategies to prepare Fayetteville for extreme weather conditions and ensure economic, natural, physical, health, and social resiliency within the community
- Climate Resilience Assessment Report

Looking Forward

- Identify more stakeholders
- Further develop actionable steps and implementation plan



Earth Week 2019

April 22

- 11-2pm Earth Day Fair, Union Mall
- 4pm Dr. Victoria Herrmann Lecture, Shollmier Hall
- 5pm Mountain Bike Skills Clinic, Oak Ridge Trailhead

April 23

- 9-10am Oregon 120V Landscape Tool Demo, The Gardens
- 4-6pm Oak Ridge Trail Cleanup, Oak Ridge Trail

April 24

- 5pm Honors College Pulse: SustainaVILLEity! Understanding and Impacting Sustainability Policy in your Community, GEAR 130

April 25

- 2-3pm Bicycle Advocacy Council Meeting, JBHT 535
- 4-5pm DIY Apartment Composting Workshop , location TBD



NET IMPACT



RIVER BLUE SCREENING

APRIL 9th

5:30 PM

Reynolds Auditorum
RCED

River Blue explores the environmental impact of the harsh chemicals and toxic waste used in the manufacturing industry and serves as a call to action for the largest high-fashion companies to make a difference.

Skype Q&A session with the director following screening.

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@SUSTAINUA

Re-Thread





Bike Fest 2019

April 12th

Noon–3PM

@ the Peace Fountain

**GAMES + PRIZES + TUNEUPS + E-BIKE
DEMO**

Sponsors:



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