



**REGION FIVE**  
Development Commission

# CITY OF JENKINS ENERGY AND ENVIRONMENT PLAN MEETING 1





Energy



Waste



Land &  
Food

Energy &  
Environment



Storm  
Events



Water





# Maslow's Hierarchy of Needs







Energy



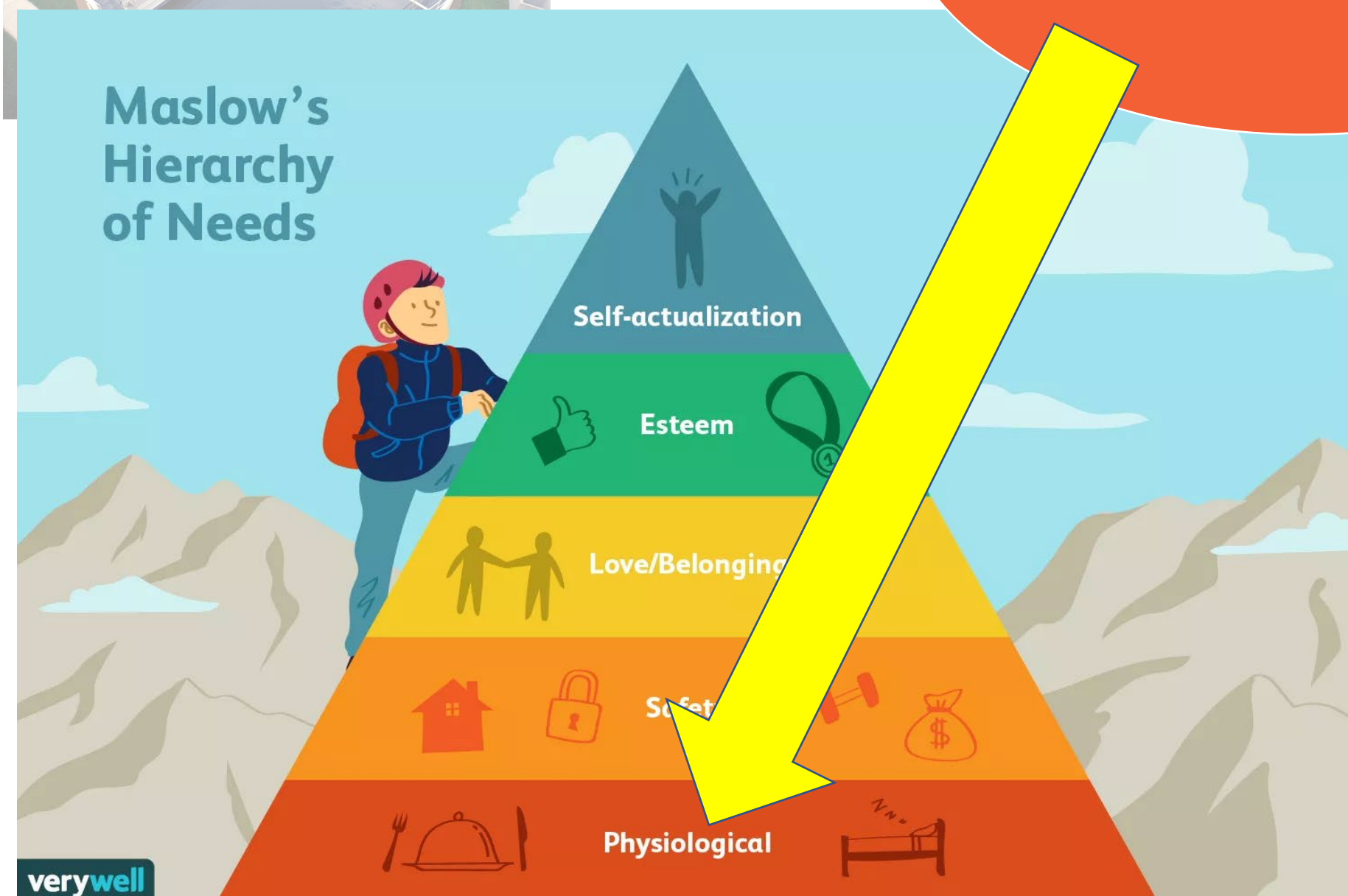
Land & Food

Energy & Environment

Water



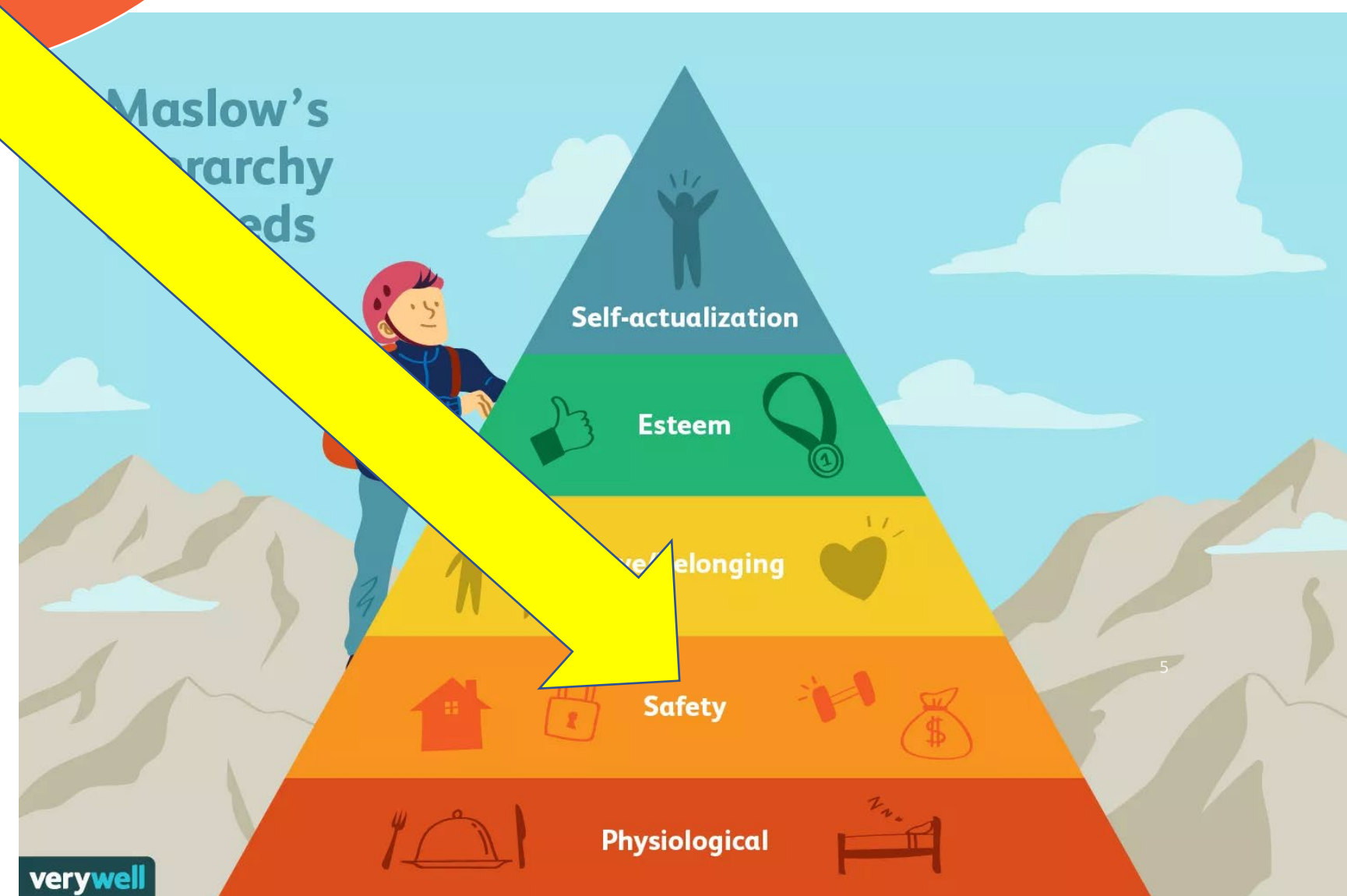
Waste



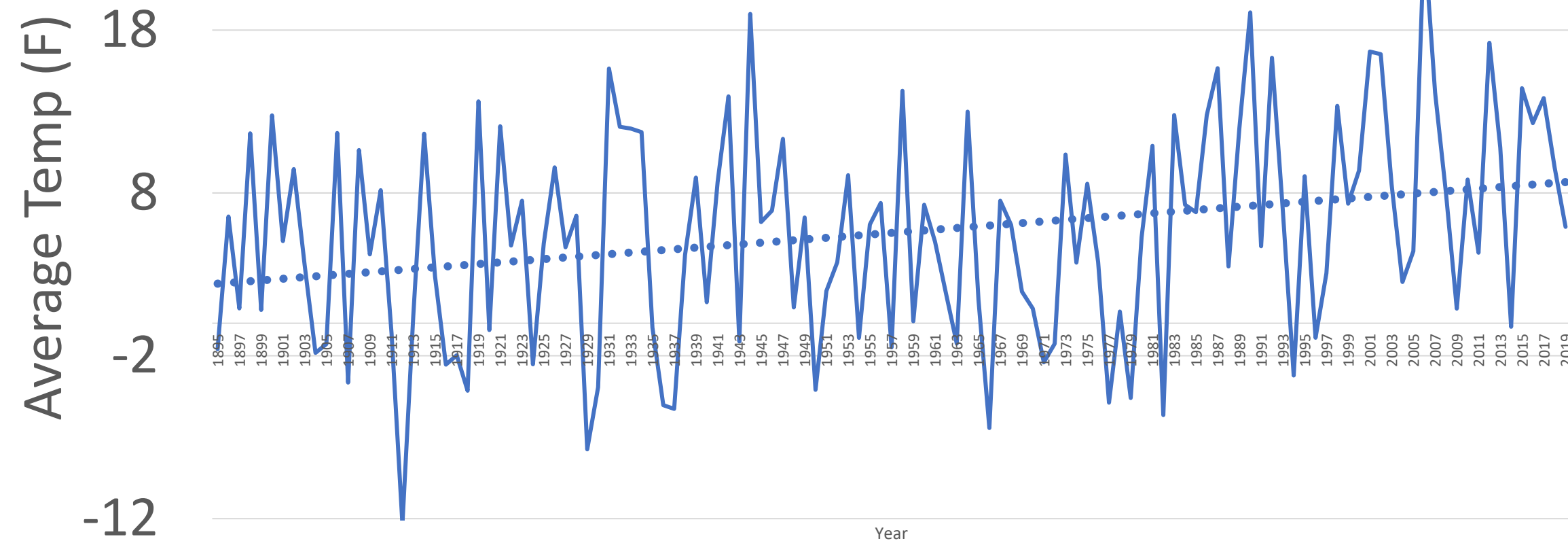


Energy &  
Environment

Storm  
Events

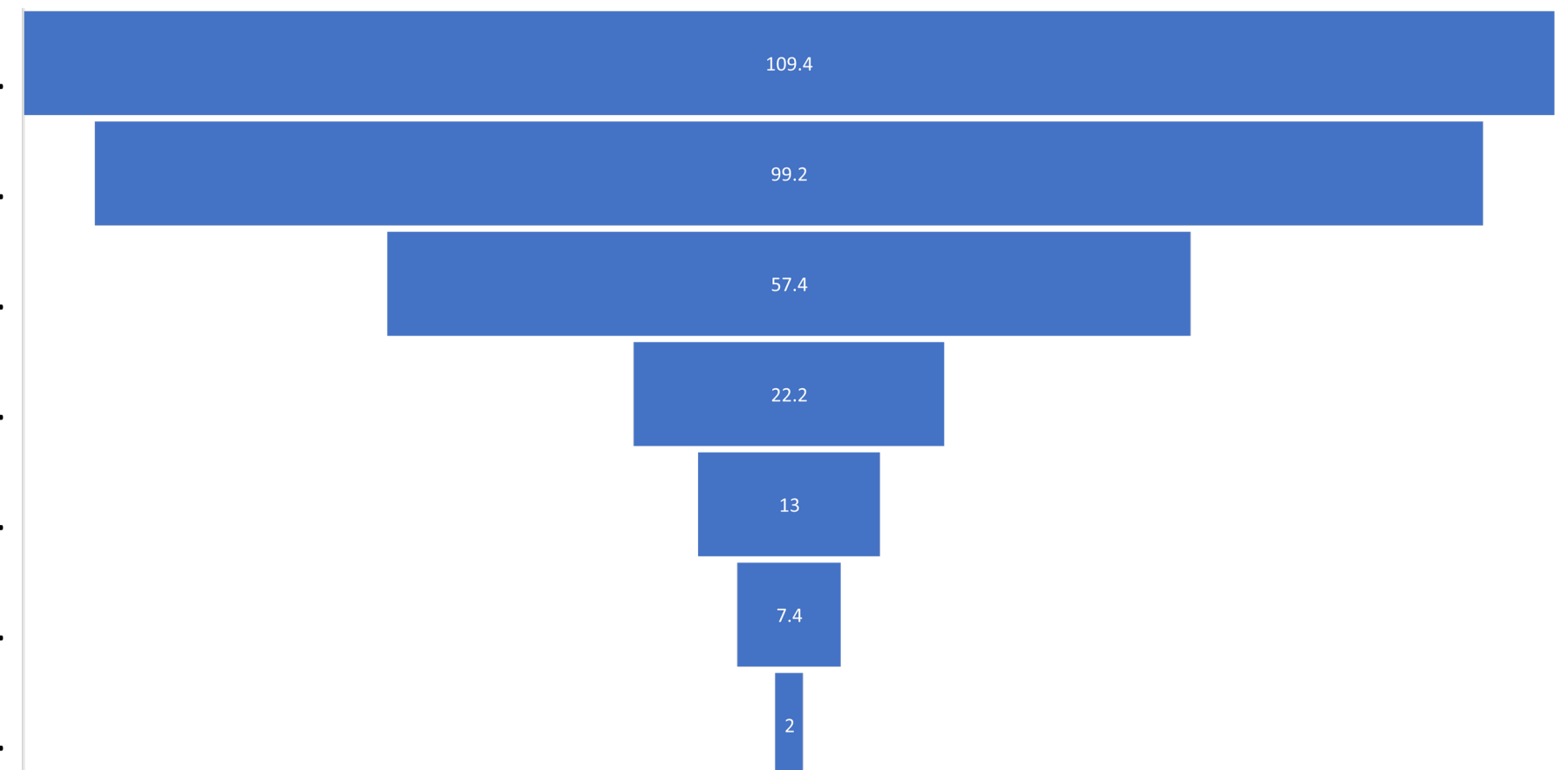


## Average Temp (F) over 120+ years Mule Lake Wildlife Management Area



## Average # Days with a Storm Event, Region 5 (NOAA data)

2011 - 2021  
2001 - 2011  
1991 - 2001  
1981 - 1991  
1971 - 1981  
1961 - 1971  
1951 - 1961







# JENKINS

## WELCOME!

Share your name and your interest in  
Energy and Environment. How can we get more  
people involved?



# WHY ENERGY AND ENVIRONMENT?

**5**

Counties

**24**

School Districts

**65**

Cities

**151**

Townships

**1973**

Year Est.

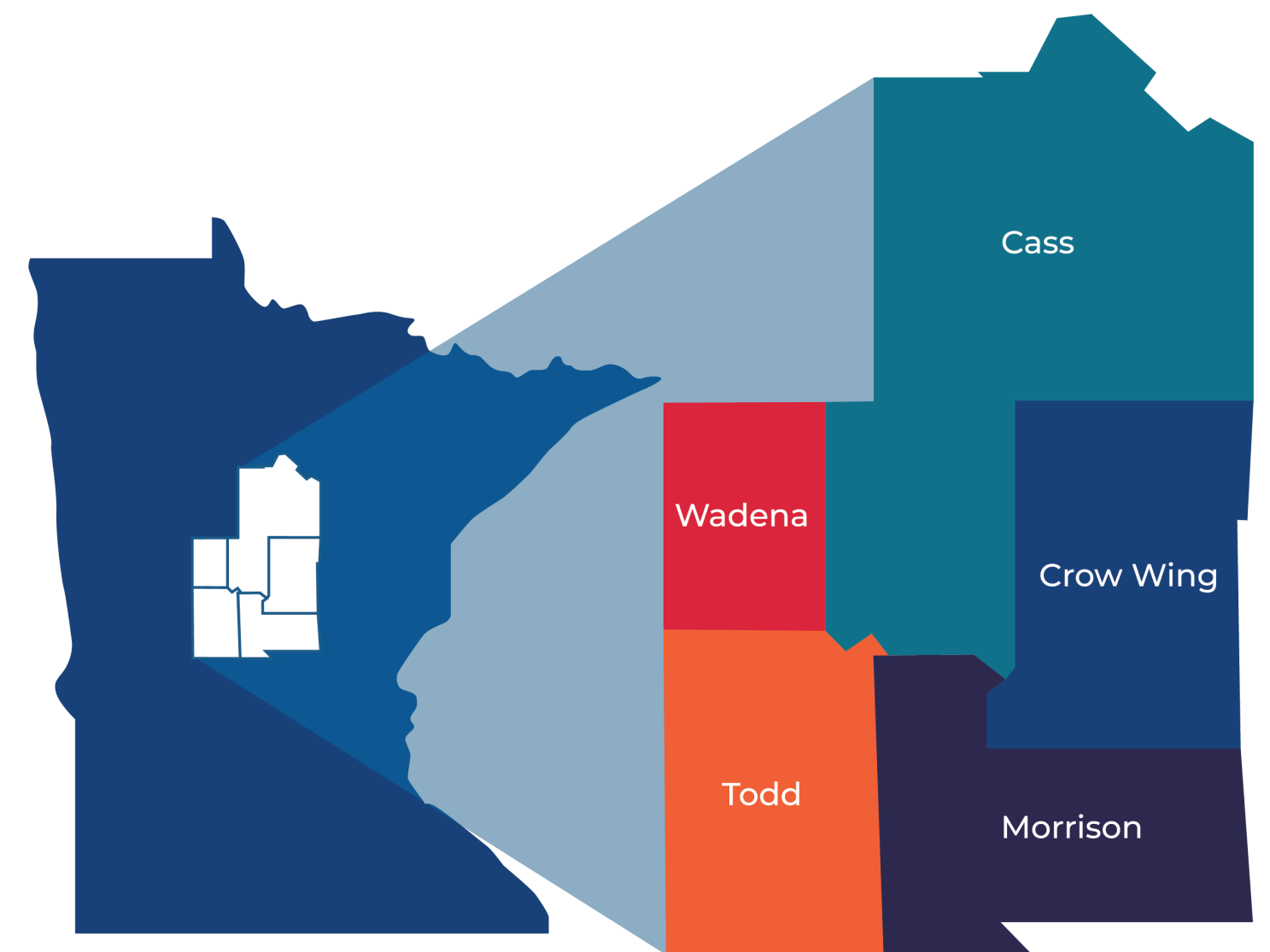
**168,186**

People

Community  
Development

Economic  
Development

Transportation





# WHY ENERGY AND ENVIRONMENT?





## CREDs:

As the designated Economic Development District in our region, we develop the **Comprehensive Regional Economic Development Strategy**, based on community input.



# WEALTHWORKS – WHY ENERGY AND ENVIRONMENT?

The capital		The definition
	<b>Individual</b>	The existing stock of skills, understanding, physical health and mental wellness in a region's people.
	<b>Intellectual</b>	The existing stock of knowledge, resourcefulness, creativity and innovation in a region's people, institutions, organizations and sectors.
	<b>Social</b>	The existing stock of trust, relationships and networks in a region's population.
	<b>Cultural</b>	The existing stock of traditions, customs, ways of doing, and world views in a region's population.
	<b>Natural</b>	The existing stock of natural resources—for example, water, land, air, plants and animals—in a region's places.
	<b>Built</b>	The existing stock of constructed infrastructure—for example, buildings, sewer systems, broadband, roads—in a region's places.
	<b>Political</b>	The existing stock of goodwill, influence and power that people, organizations and institutions in the region can exercise in decision-making.
	<b>Financial</b>	The existing stock of monetary resources available in the region for investment in the region.



**SUPPORTED BY**

**USDA Rural Community Development Initiative**

**The average participant city population is 625.**  
**Average median household income is \$35,672**  
**or 62% of the state median household income of \$57,243.**



City	Median Income	Population
Bertha	\$31,029	497
Cass Lake	\$24,063	770
Hewitt	\$39,722	266
Jenkins	\$44,554	430
Menahga	\$31,275	1,306
Motley	\$34,423	671
Sebeka	\$35,000	711
Swanville	\$45,313	350



# AGENDA

## Welcome & Introductions

**What to expect:**  
**Environment and Energy**  
**Planning in Region Five**

**Potential Projects**

**Community Survey**

**Next Steps**





# TODAY'S MAIN GOALS

- 1. Community E&E Survey**
- 2. Schedule and Brainstorming**





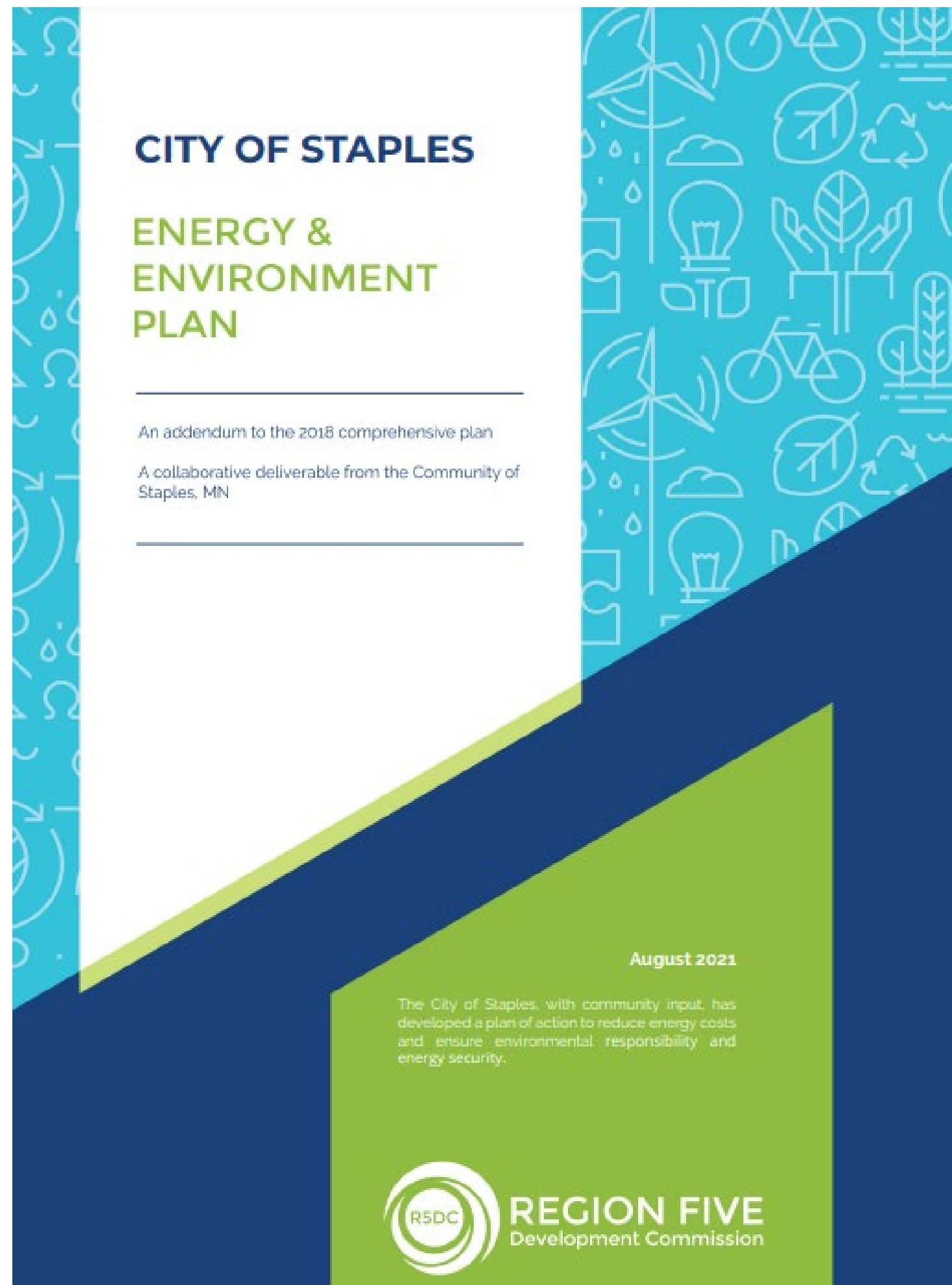
# ENERGY AND ENVIRONMENT INTEGRATED OUTLINE

- 1. Survey**
- 2. Draft Goals & Action Steps**
- 3. Draft Plan, Goals & Action Step  
Prioritization**
- 4. Five-Year Energy & Environment Work Plan**



# EXAMPLE: ENERGY & ENVIRONMENT PLAN AND PROJECT IMPLEMENTATION

<https://www.regionfive.org/staples>



## FIVE-YEAR ENERGY & ENVIRONMENT WORK PLAN

The community was invited to be a part of the discussion to develop an energy and environment plan for the City. The public was invited to join the Energy & Environment Planning Team (Team) and identify community goals and priority projects to ensure energy and environmental resilience going forward. Based on the results of a community survey, the Team developed specific energy and environment related goals for the next five years.

Based on the stated community goals, the Team identified possible projects to be completed in 2021 with existing funding opportunities and resources. Projects were prioritized based on the extent to which they align with the goals identified in the Staples Comprehensive Plan: 1) supports a healthier and fun place to live, work and play and encourages people to stay in the Staples community; 2) saves time and/or money, and 3) is reasonably easy to accomplish.

The team identified six projects for implementation in 2021. They are listed below in order of scoring by the Team, and in direct consideration of community survey results. The City of Staples and partners will work to implement the outlined projects at little to no cost to the City. Costs associated with two identified projects will be covered by a grant from the Minnesota Pollution Control Agency.

### 2021 Projects:

- A. Once per year, the City, Central Lakes College, and the high school will collaborate to explore the CLC Staples campus and demonstrate energy/environment projects the College has deployed.
  - a. Cost: minimal
  - b. Several hours of City staff time.
- B. Minimize the risk of household hazardous waste contamination in 10 households per year by ensuring drop-off and other details are included in the new resident packet when signing up for utilities.
  - a. Cost: minimal
  - b. Modest printing cost.
- C. Work with Todd and Wadena Counties to offer a household hazardous waste drop-off day in Staples once per year, coinciding with the annual garbage pick-up day organized by the City.
  - a. Cost: minimal
  - b. Several hours of City Staff time.
- D. Work with Todd and Wadena Counties to expand household hazardous waste drop-off sites, ensuring residents know where they are located and when they are open.
  - a. Cost: minimal
  - b. Several hours of City Staff time.
- E. Replace City outdoor lighting and ensure all new outdoor lighting is LED, converting at minimum 10% each year.
  - a. Cost: approximately \$8000
  - b. Covered by MPCA grant.
- F. Create notices for residents to know where to go/what to do with household hazardous waste, including refrigerator magnets to be placed in with utility bills.
  - a. Cost: approximately \$2000
  - b. Covered by MPCA grant.



# EXAMPLE: ENERGY AND ENVIRONMENT PLAN SUMMARY

## City of Staples Energy and Environment Goals

1. Retain or increase population by **encouraging youth to stay in Staples** by highlighting energy/environment employment opportunities.
2. Maintain or improve **surface and drinking water quality**.
3. **Reduce solid waste** and increase recycling.
4. **Reduce citywide energy consumption** by 10% over the next 5 years.
5. **Expand the use of alternative modes of transportation**, including walking, biking, and electric vehicles.
6. **Expand the percentage of renewables in the generation mix** to include greater solar generation. Increase to cover 1% of total annual citywide electricity consumption by 2025, by installing approximately 400kW DC of solar.
7. Prevent or **mitigate the negative impacts of power grid failure** caused by tornado, straight line winds, or other cause.

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## The Energy and Environment Planning Process

Based on the goals identified above along with results from the community survey, the team prioritized five projects for implementation in 2021 that are listed on the back of this sheet.



# PUBLIC PARTICIPATION

<https://www.regionfive.org/jenkins>

- **Planning Team**
- **Survey**
- **Draft Plan public input**
- **Celebration**





# COMMUNITY SURVEY - PURPOSE

- 1. Understand community-level Energy & Environment engagement**
- 2. Identify community perceived risks & mitigation strategies related to energy and environment**
- 3. Provide city with community data to support actions taken**





# WHAT WE HAVE LEARNED ABOUT YOUR CITY SO FAR...





# NEXT STEPS

- Survey open 12/1/21 through 12/31/21
- Jamboard – brainstorm Goals and Action Steps
- Schedule
- Online or in person?

Mtg 2	Mtg 3	Mtg 4	Ribbon-cutting
Tuesday 12/14/21 Time?	Tuesday 1/18/22 Time?	Tuesday 3/1/22 Time?	TBD – June or July 2022



# PROCESS & TIMELINE

**Meeting 1: Survey**

**Meeting 2: Draft Goals & Action Steps**

**Meeting 3: Draft Plan, Goals & Action Steps Prioritization**

**Meeting 4: Five-Year Energy & Environment Work Plan**

Meetings	November	December	January	Feb-Mar	Mar-April	May-June	June-July
Planning Team Meeting Number	Meeting #1	Meeting #2	Meeting #3	Meeting #4	Municipal Adoption	Project Implementation	Celebration
Public Meeting Schedule	Public Input/survey outreach for ideas				Public review and input, Municipal plan adoption process		Share project success with community
EE Planning Team Tasks by Month	1. What is an EE plan? 2. Survey 3. Brainstorm goals and action steps before next meeting	1. Survey results to-date 2. Draft goals and action steps 3. Rank goals and action steps before next meeting	1. Final survey results 2. Facilitate final prioritization goals and action steps along with estimated costs/benefits 3. Review Draft plan before next meeting	1. Finalize Plan 2. Prepare for municipal adoption 3. Prepare for project implementation	P&Z and/or Council meeting for plan adoption	Project(s) must be completed by June 30	1. Celebrate project success 2. Discuss next steps for continuing project implementation



**Questions?**  
**THANK YOU**

[www.regionfive.org/jenkins](http://www.regionfive.org/jenkins)