

BOARD OF SUPERVISORS  
WORK SESSION  
2023- MCPA- COUNTY INITIATED  
PROPOSAL



**PINAL COUNTY**  
WIDE OPEN OPPORTUNITY

PROPOSED 2023 MAJOR  
COMPREHENSIVE PLAN AMENDMENTS

6/21/2023

Community Development Department

# SCHEDULE- 2023 MCPA

- June 21: Work session with BOS for County-Initiated amendment.
- June 9: Start of 60-Day Agency Review
- July 20: Work session with P&Z Commission
- August 9: Work session with BOS (All Proposals) <sub>2</sub>



### **PZ-PA-006-23 – Renewable Energy Sources**

This application is a request to update the renewable energy source categories under Chapter 7: Environmental Stewardship, Section–Energy, Sub-Section- Renewable Energy Sources, of the 2019 Pinal County Comprehensive plan document.

# Item #1: PZ-PA-006-23

## Renewable Energy Sources

### □ **Proposal:**

1. Expand the Renewable Energy sources to include additional categories besides ‘Solar’
2. Update Goals, Objectives and Policies under the same Chapter 7
3. Update Appendix D: Glossary of additional terms in the vocabulary of the Comprehensive Plan Document

# Item #1: PZ-PA-006-23

## Renewable Energy Sources

### □ **Purpose:**

1. Provide a comprehensive list of renewable energy sources promoting quality, safety and benefits to the Pinal County Residents
2. Expand the toolbox and provide options for renewable sources of energy to create diversity within this category.

# Item #1: PZ-PA-006-23

## Renewable Energy Sources



### □ Purpose:

1. Provide a comprehensive list of renewable energy sources promoting quality, safety and benefits to the Pinal County Residents
2. Expand the toolbox and provide options for renewable sources of energy to create diversity within this category.

# Item #1: PZ-PA-006-23

## Renewable Energy Sources



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### □ Renewable Energy Sources:

1. Solar Energy
2. Bioenergy
3. Geothermal Energy
4. Hydrogen
5. Hydropower
6. Wind Energy

# Item #1: PZ-PA-006-23

## Renewable Energy Sources



### 1. Solar Energy

a. Photo Voltaics (PV)

b. Concentrating Solar Thermal Power (CSP)

### 2. Bioenergy

Derived from Organic Materials called biomass

### 3. Geothermal Energy

Heat harnessed from beneath the earth



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## Renewable Energy Sources



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### 4. Hydrogen

Energy carrier produced from domestic sources (Natural gas, solar wind, geothermal, biomass,) or from processes (Electrolysis, biological, water splitting, steam methane reforming)

### 5. Hydropower

Usually associate energy source with Hoover Dam, harnessing power from with large water bodies/rivers. With technological advances and research, smaller facilities (Micro turbines) take advantage of water flows in Municipal water facilities or irrigation ditches.

# Item #1: PZ-PA-006-23

## Renewable Energy Sources



### 6. Wind Energy

Harnessing power of the wind through wind turbines collecting and converting the kinetic energy into electricity.

# Item #1: PZ-PA-006-23

## Renewable Energy Sources



Update Appendix G: Glossary to include the new terms introduced in the Renewable Energy Section

### Appendix D: Glossary

*The terms defined in this glossary are done so for purposes of the Pinal County Comprehensive Plan only and may not be relevant or accurate for use outside of this plan.*

\* **NOTE** : Changes in the Comprehensive Plan document have been shown in GREEN

# Questions

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