



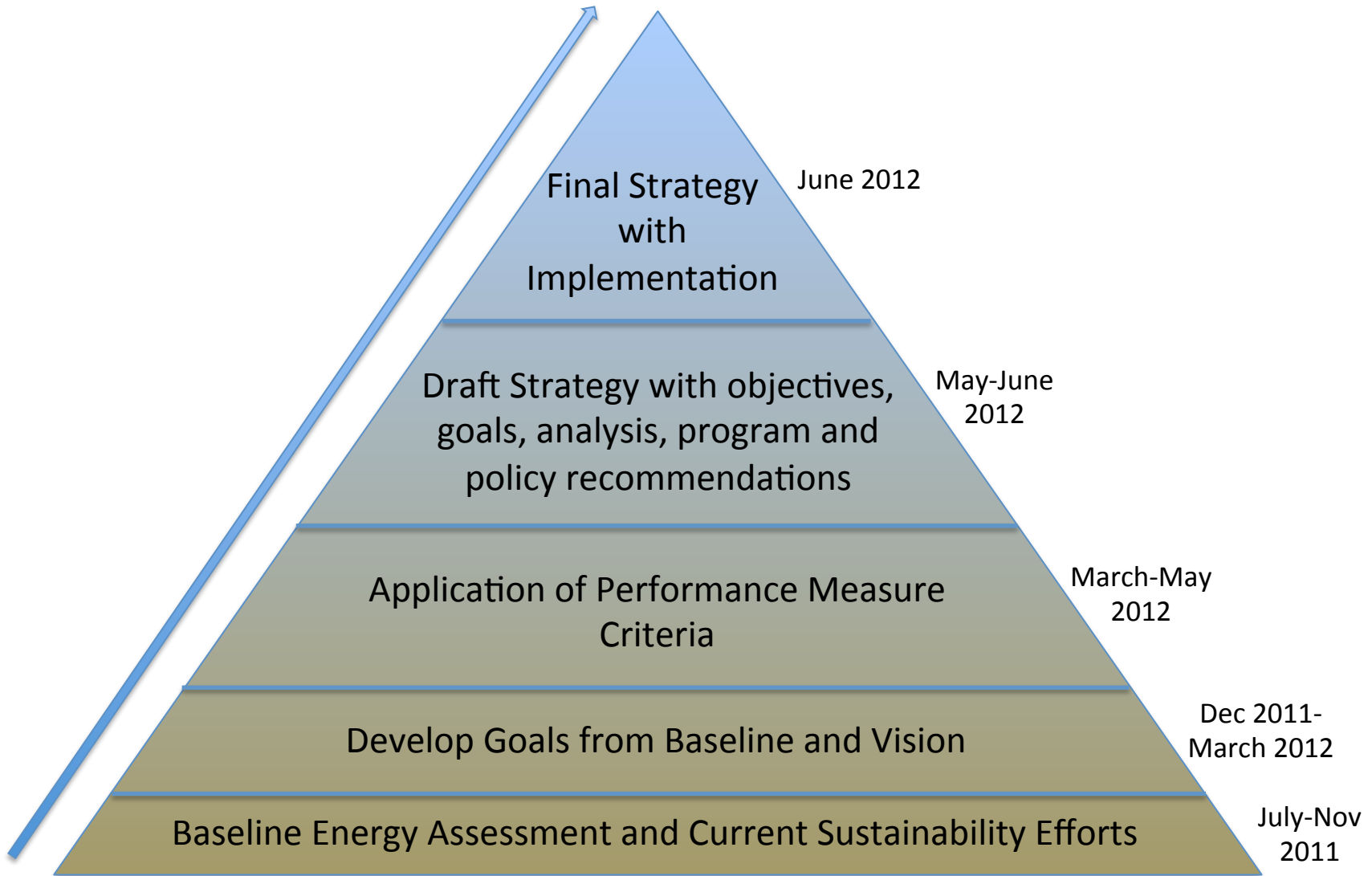
Pueblo County  
Strategic Sustainability Plan  
Advisory Committee Meeting #3  
November 28, 2011

# Meeting Agenda

1-2:30pm

- Introductions
- Where we are today & our way forward
  - Tasks and Schedule
- “What Does Sustainability Mean to You/Your Department/Your Organization/ Your Jurisdiction?”
- Energy Efficiency and Renewable Energy- Plan Focus Area

# Pueblo County Strategic Sustainability Plan Process



# Where We are Today

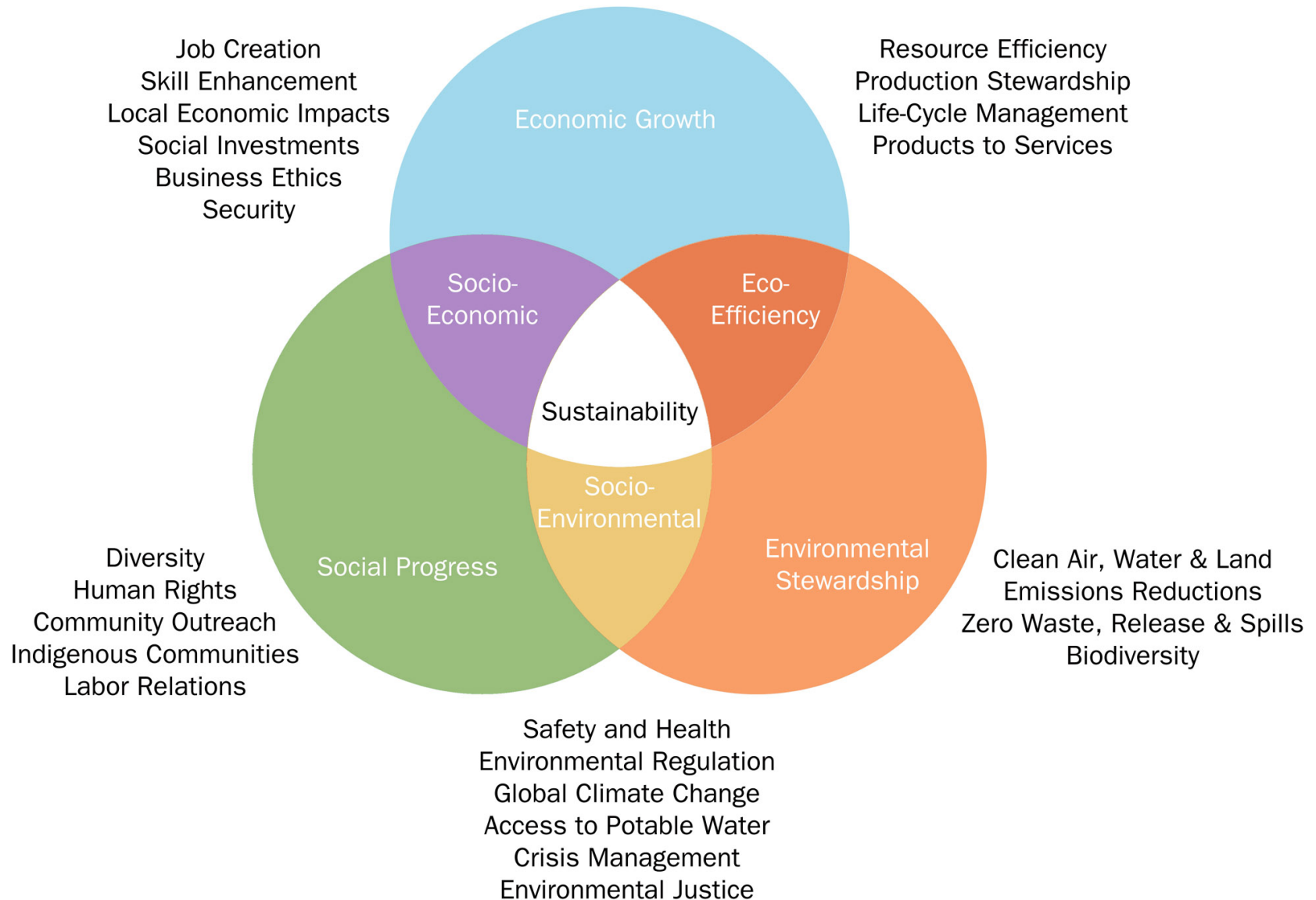
- July 2011
  - Project began
  - Community energy coordinator hired
- August 2011
  - Advisory Committee convened
  - Research began
  - Coordination with Governor's Energy Office (training and reporting)
- September 2011
  - 2<sup>nd</sup> Advisory Committee meeting (focus was SWOT Analysis)
  - County-wide energy assessment research conducted
  - Priorities from SWOT evaluated
  - Ongoing reporting and training with GEO
  - Communications plan completed: County web page established
- October 2011
  - County-wide energy assessment
  - 1<sup>st</sup> quarterly review with County
  - State audit of plan progress and process
  - Ongoing reporting and training with GEO
  - Establishment of Core Committee
  - Data gathering
- November 2011
  - Mission for plan finalized
  - Drafting definition of sustainability
  - County-wide energy assessment
  - Energy Efficiency and Renewable Energy focus
  - 3<sup>rd</sup> Advisory Committee meeting
  - Ongoing reporting and training with GEO

“What Does Sustainability Mean to  
You/Your Department/Your  
Organization/ Your Jurisdiction?”

What does sustainability mean to you?



# Sustainability



“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.” (

[Brundtland Commission of the United Nations on March 20, 1987 Definition of Sustainability](#))

"Maximize resources that provide quality of life city services and programs, including adherence to... city services, sustainable growth and economic vitality goals; enhancing conveniences for our citizens; preserving environmental resources including our natural landscape; and providing the art, cultural and recreational amenities befitting the size and geographic location of Colorado Springs." (City of Colorado Springs, Colorado\_Definition of Sustainability)

" Sustainability as living or acting in a manner that balances improving our quality of life, a healthy vibrant community, and mindful stewardship of the natural resources and environment while protecting the ability of future generations to do the same." (City of Golden, Colorado\_Definition of Sustainability)

“The responsible use of resources to meet current needs without compromising the ability of future generations to meet theirs.” ...It is about recognizing the benefits of community awareness and involvement in local government and knowing these are keys to the City’s sustainability. It is about realizing that environmental quality, economic health, and social equity are mutually dependent. It is simply being responsible.”

(City of Tulsa, Oklahoma\_Definition of Sustainability)

" Waukesha County departments have been thinking and acting “sustainably” for some time. We embarked on creating a formal Sustainability Plan to express our commitment to go beyond regulatory compliance by integrating the values of sustainability, stewardship, and resource conservation into our activities and services. We will make decisions in a fiscally prudent manner to improve the long-term quality and regenerative capacity of our communities, the environment and the economic systems that support our common life. We will develop meaningful measures and track our progress." (Waukesha County, Wisconsin\_Definition of Sustainability)

"Sustainability, for the purpose of this plan, is defined as meeting the requirements of social, environmental, and economic circumstances without compromising the ability for future generations to meet the same needs. For this community, sustainability represents the collective desire to see future generations enjoy a quality of life that exceeds the quality of life today."

(Carroll County, Maryland\_Definition of Sustainability)

# Areas of Focus

- Renewable Energy and Energy Efficiency
- Land Use and Built Environment
- Water
- Transportation
- Public Health and Natural Environment
- Materials and Waste Diversion
- Economic Development

# Renewable Energy & Energy Efficiency

- County Wide Energy Assessment
- Results of SWOT analysis
- County current projects (EPC, solar, etc)
- Community Focus Areas:
  - Residential Sector
  - Commercial and Public Sector-
  - Financing
  - Transmission and Utilities

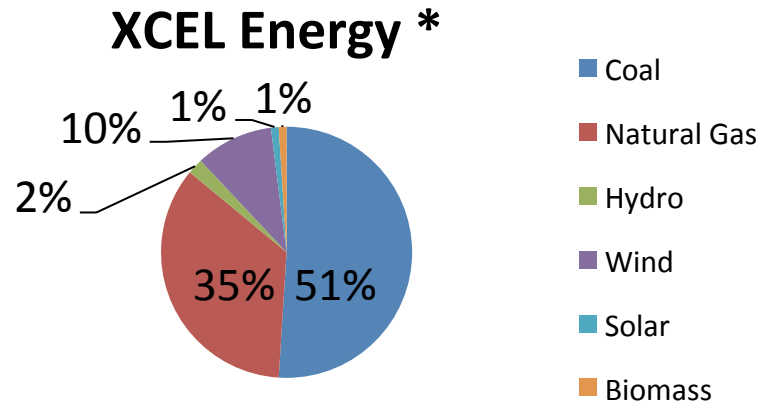
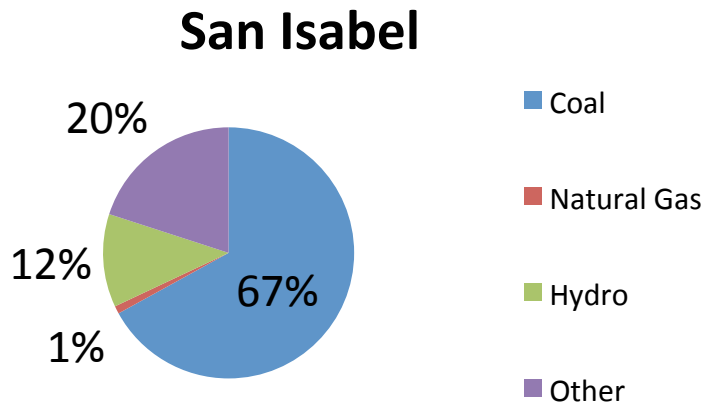
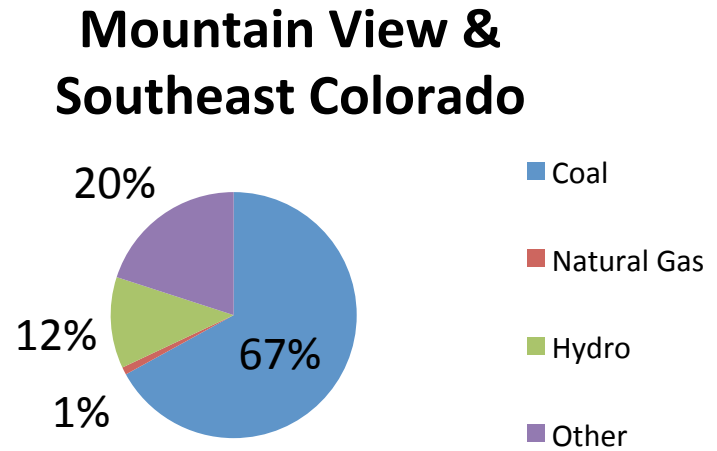
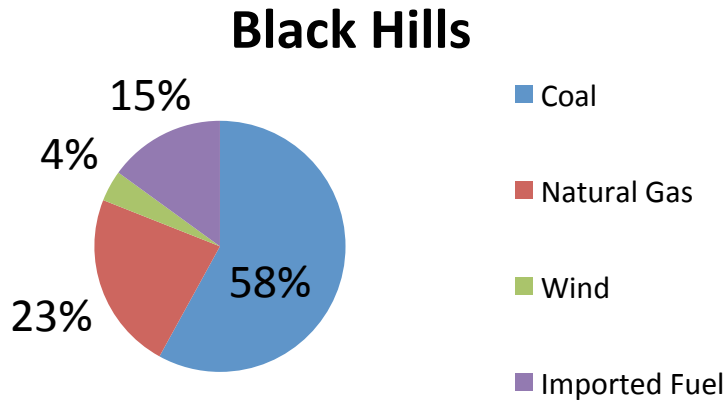


**The purpose of the Pueblo County Energy Assessment is to create a profile of current energy use patterns. The profile will be used to develop short, mid, and long-term community goals for clean energy.**

# Pueblo County Energy Providers

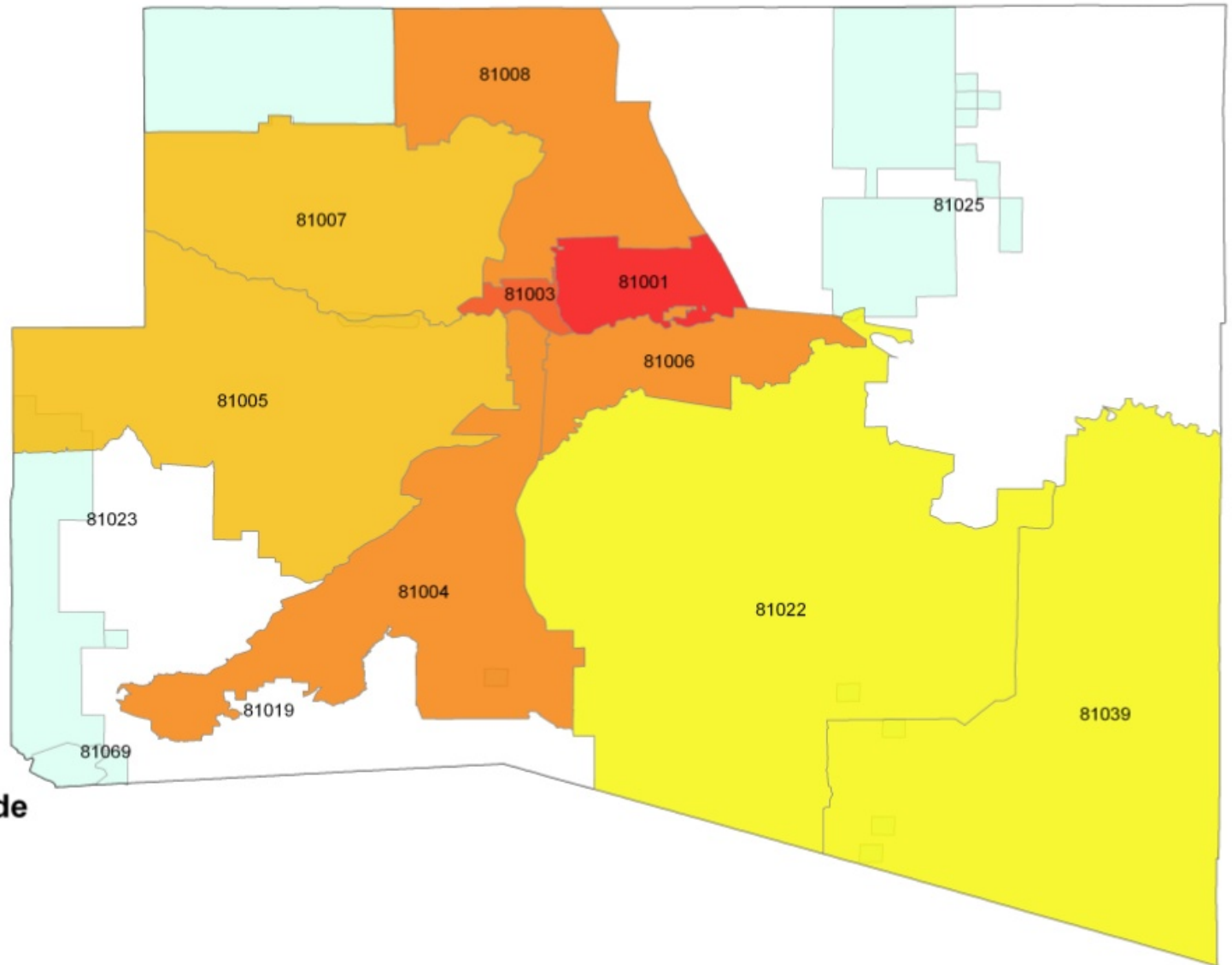
- NATURAL GAS
  - Xcel Energy
  - **Colorado Interstate Gas**
  - Colorado Natural Gas
- PROPANE
  - Mar Gas Propane
  - **Blueflame Gas Inc**
  - San Isabel Propane
  - Amerigas
  - **Wallace Oil Co Inc**
  - Suburban Propane
  - Ferrellgas
  - **Colorado Propane Gas Association**
- ELECTRIC
  - **Black Hills Energy**
  - **San Isabel Electric Cooperative**
  - Mountainview Electric Cooperative
  - Southeast Colorado Power
  - Tri-State Electric
- RENEWABLE ENERGY
  - ***SouthEastern Colorado Renewable Energy Society***
  - ***Pueblo County***
  - ***Colorado Solar Energy Industries Association***
  - ***CSU-Pueblo, sunnyportal.com***

# Power Sources



Source: Recharge Colorado

\* XCEL Energy only provides Coal electricity within Pueblo County



**Legend**

**Electric Use by Zip Code**

**Total (kWh)**

- 12,973 - 21,023
- 21,023 - 59,594,301
- 59,594,301 - 86,455,511
- 86,455,511 - 155,061,413
- 155,061,413 - 435,809,279
- Federal Land

# County-wide Electric Use by Zip Code

(includes Black Hills Data Only)

# Renewable Energy

- The U.S. Energy Information Administration (EIA) recently reported that U.S. energy production from renewable energy sources such as biomass/biofuels, hydro, geothermal, solar, water, and wind energy rose to 10.92% in 2010.
- On October 11, 2011 at 4 a.m., 56% of customer demand was met by wind generation! On October 8, 2011, 38% of customer demand was met with wind generation for the whole day. (Source: Public Service Co of Colorado)