



# GARFIELD COUNTY 2022 ENERGY ACTION PLAN UPDATE



## About this Plan

Since 2009, Garfield Clean Energy (GCE) has been an innovative leader in advancing energy efficiency, renewable energy, and clean transportation to protect the environment and build a strong, resilient, and diverse economy. This update to Garfield County’s 2017 Energy Action Plan (EAP) was developed in 2022 to take stock of progress made over the last five years and set a vision for the next phase of energy action. Over the course of seven months, an Energy Action Team formed of community stakeholders participated in a series of three workshops facilitated through Xcel Energy’s Partners in Energy program. The plan outlines updated energy goals for Garfield County and defines strategies and tangible steps Garfield Clean Energy and collaborative partners can take to accelerate progress toward those goals.

## Garfield Clean Energy Vision

GCE will be an innovative leader in advancing energy efficiency, renewable energy, and clean transportation to protect the environment and build a strong, resilient, and diverse economy.

## Energy Baseline

The Energy Action Team used historic energy data from 2015 – 2021 to inform goal and strategy development, and established 2019 as the updated baseline year<sup>1</sup>. In 2019, Garfield County used:



**4.3 million MMBtu** of energy<sup>2</sup> totaling \$65 million (54% residential and 46% C&I)



**26 million therms** of natural gas



In December 2022, there were **602 electric vehicles** on the road



**314,000 MT CO<sub>2</sub>e** of energy related supply GHG emissions



**471 million kWh** of electricity

<sup>1</sup> 2019 was used as the baseline year to mitigate for the impacts of COVID-19 on energy use during 2020 and 2021. 2022 was used as the baseline for electric vehicles to reflect the recent growth and adoption.






<sup>2</sup> MMBtu (one million British Thermal Units) is a measure of the energy content in electricity and natural gas.



**PARTNERS IN ENERGY**  
An Xcel Energy Community Collaboration

# Energy Action Goals and Focus Areas

Working together, the GCE Board of Directors and the Energy Action Team identified the following 5 goals, 15 focus areas, and 47 strategies to help GCE achieve its vision.

GOALS	SUMMARY	FOCUS AREAS
ENERGY SAVINGS	 <ul style="list-style-type: none"> <li>Achieve energy efficiency and conservation savings resulting in at least 12 percent total energy savings by 2030 over a 2019 baseline, which will require an average of at least 1.5 percent total annual energy use reduction from 2023 through 2030. As technology and funding improves, work for increased total savings.</li> </ul>	<ul style="list-style-type: none"> <li>Residential Sector</li> <li>Commercial, Agricultural</li> <li>Industrial Sector</li> <li>Public Institutions</li> </ul>
CARBON-FREE ELECTRICITY	 <ul style="list-style-type: none"> <li>Garfield County electricity will be 100 percent carbon-free by 2030 through grid-supplied resources and local renewable installations, as a means to a stronger, more resilient, and energy-secure economy and region.</li> </ul>	<ul style="list-style-type: none"> <li>On-Site Solar</li> <li>Community-Scale Solar</li> <li>Carbon-Free Grid</li> <li>Locally-Based Renewable Energy Sources</li> </ul>
CLEAN MOBILITY	 <ul style="list-style-type: none"> <li>Transition at least 15 percent of all registered vehicles to zero-emissions electric by 2030; support alternative fuels where electric is not yet feasible or where alternative fuels are desirable; help increase mode share for biking, walking, and transit.</li> </ul>	<ul style="list-style-type: none"> <li>Transportation Electrification</li> <li>Increase Biking, Walking</li> <li>Transit Mode Share</li> </ul>
GREENHOUSE GAS EMISSIONS	 <ul style="list-style-type: none"> <li>Reduce GHG emissions related to the electric supply by 100% by 2030.</li> <li>Reduce GHG emissions related to natural gas usage, as well as related to utilities' commitment to cleaner delivery and supply, by 10% by 2030.</li> </ul>	<ul style="list-style-type: none"> <li>Building Electrification</li> </ul>
CLEAN ENERGY ECONOMIC DEVELOPMENT AND JOBS	 <ul style="list-style-type: none"> <li>Accelerate and harness the economic benefits of energy efficiency, clean energy, and clean mobility for the benefit of the residents and communities of Garfield County; find ways to address any economic impacts of transitioning to clean energy.</li> </ul>	<ul style="list-style-type: none"> <li>Mobilizing Funding, Incentives, and Investment</li> <li>Education, Training, and Capacity Building</li> <li>Policy and Innovation</li> </ul>