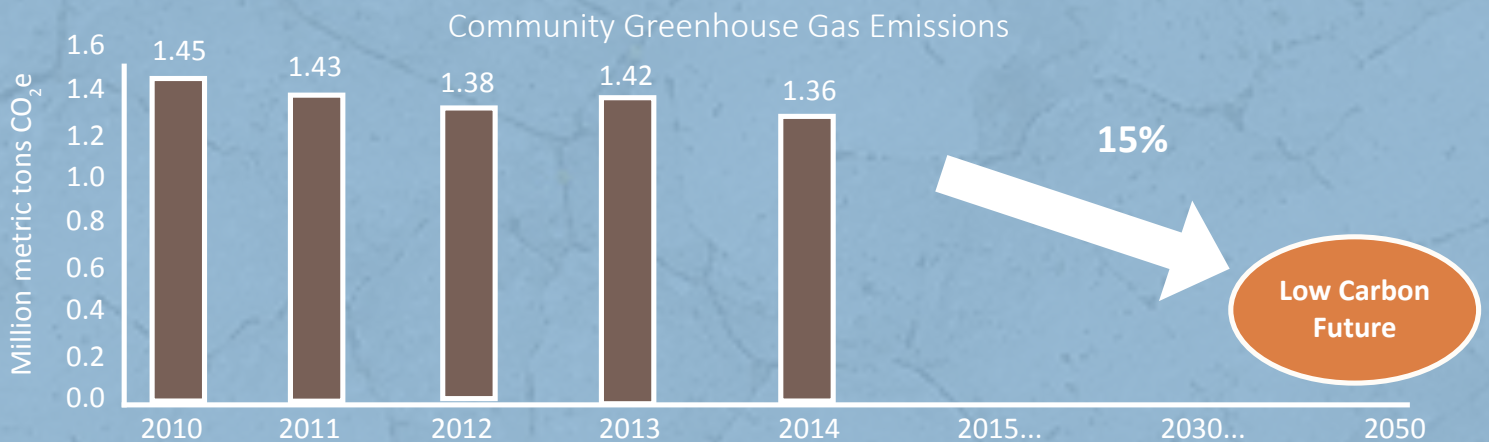




Summit County Climate Action Plan Executive Summary

Our Goal

Summit County has engaged in climate action planning to reduce greenhouse gas (GHG) emissions and impacts on climate change, as well as to plan for an economically vibrant, environmentally healthy, and socially responsible future. Ultimately, the goal is to **reduce emissions by 15 percent in 15 years.**



How will we get there?

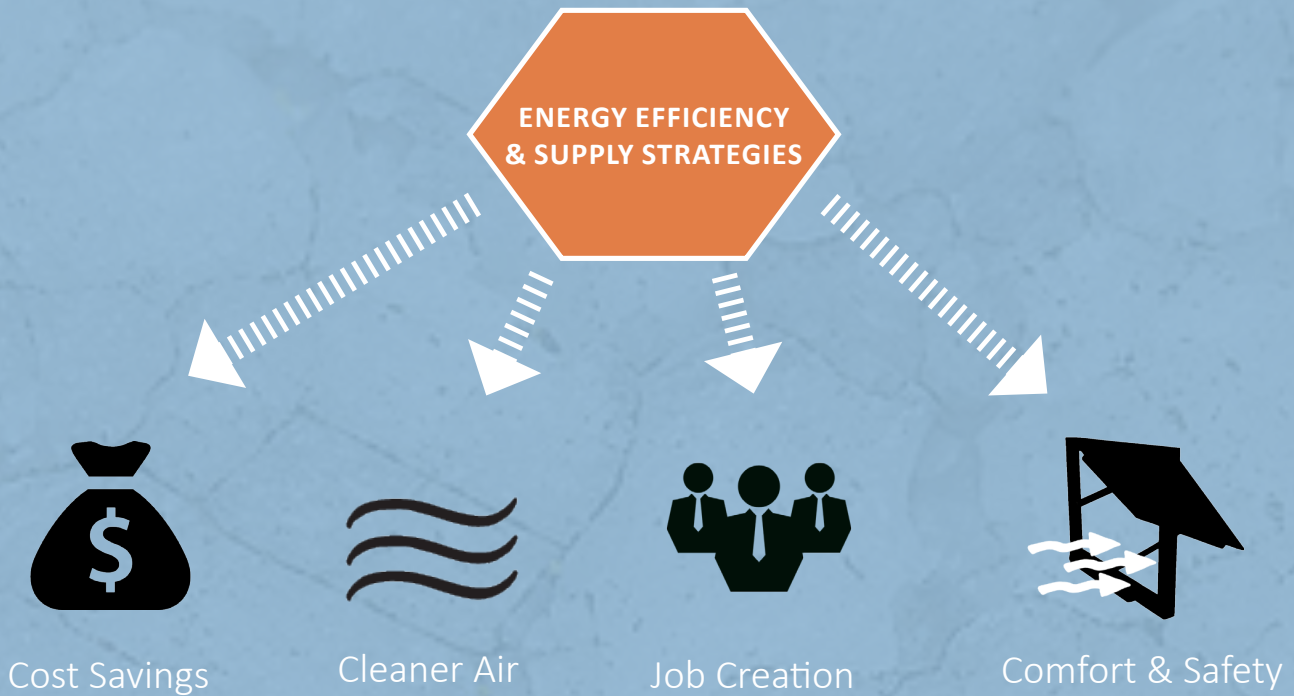
Implement Emissions Reduction Strategies



Success of all Strategies Depends On:



Strategies for achieving our goals.



E1: Distributed Renewable Energy - Continue to develop solar photovoltaic and other renewable energy systems		430,000 by 2030
E2: Above Code Construction - Voluntary adoption of practices for new construction and major renovations that go beyond state-mandated building and energy codes		360,000 by 2030
E3: Summit Community Power Works - Continued support and implementation of Summit Community Power Works initiative for the residential and institutional sectors, and expansion to the commercial and industrial sectors		335,000 by 2030
E4: Outdoor Heating and Snowmelt Systems - Alternatives to installing snowmelt and outdoor heating systems, alternative energy supplies for systems, and training on proper control, and operation of existing systems		115,000 by 2030
E5: Increased Energy Consumption Data - Continue to expand options for and accessibility of information for consumers on their energy consumption via smart controls, websites, utility bills, and other		80,000 by 2030
E6: Building Recommissioning and Tune-ups - Leverage Rocky Mountain Power's energy management program for commercial/industrial recommissioning, retro-commissioning, or strategic energy management		70,000 by 2030
E7: Engaging Second Homeowners and Lodging Properties - Reduce energy consumption and increase efficiency of second homes and lodging properties through education, outreach, incentives, and investments in building controls		48,000 by 2030
Total Emissions Reduction: 1,400,000		

Potential Cumulative Emissions Reduction
(in Metric Tons CO₂e)

TRANSPORTATION & LAND USE STRATEGIES



Mobility Options Cost Savings Cleaner Air Health & Wellness Land Conservation

TL1: Regional Transit Expansion - Explore and expand regional transit options especially from Summit County to/from Salt Lake City and Heber City		84,000 by 2030
TL2: Sustainable Development Patterns - Plan for compact growth, reduced sprawling development, and increased opportunities for people to access services and places of work		56,000 by 2030
TL3: Agriculture, Livestock, and Land Use Management - Apply best practices to reduce energy use, improve efficiency of equipment, and limit GHG emissions associated with equipment and fertilizer use		35,000 by 2030
TL4: Pedestrian and Bicycle Infrastructure Improvements - Develop infrastructure for alternatives to on-road travel		17,000 by 2030
TL5: Alternately Powered Vehicles - Continue to promote alternately powered vehicles, as well as develop infrastructure to support using these vehicles		6,000 by 2030
Total Emissions Reduction: 200,000		

Potential Cumulative Emissions Reduction
(in Metric Tons CO₂e)

OTHER CROSS-CUTTING STRATEGIES



Waste Reduction

Leadership Position

Regional Impact

O1: Recycling Program Expansion - Focus on increasing cardboard recycling service and increasing diversion rates of commercial, institutional, lodging, and condominium properties		31,000 by 2030
O2: County Leading by Example - Continue to lead by example at County facilities		13,000 by 2030
O3: Supporting Other's Climate Response Efforts - Support and collaborate with institutions, large emitters, municipalities, and regional neighbors in their climate action planning		10,000 by 2030
Total Emissions Reduction: 53,000		

Potential Cumulative Emissions Reduction
(in Metric Tons CO₂e)

Playbook for Implementation

Immediate Initiatives

- LED Lighting Program
- Community Choice Aggregation Exploration (CCA)
- County Code Updates
- County Solar Photovoltaic System Project (Justice Center)
- County Website Energy Updates
- Regional Climate Network Participation
- Residential Outreach Campaign

Near-term Initiatives

- Bulk Purchasing Solar Program
- County Compressed Natural Gas Refueling Station
- County Resource Management Plan Development
- County Sustainability Plan 2017 Update
- Energy Reporting Tool Outreach Campaign
- Lodging Property Energy Outreach Campaign
- Programmable Thermostat Bulk Purchasing & Incentives (Smart Controls) Program
- Residential and Institutional Weatherization and Retrofit Program
- Second Homeowner Energy Outreach Campaign
- Smart Metering Technology Pilot Discussions
- Technical Assistance Program or Certification Program for Above Code Construction

Long-term Initiatives

- Agriculture and Large Land Owner Energy Outreach Campaign
- Business Energy Outreach Campaign
- Commercial Recycling Program Expansion
- Commercial/Industrial/Institutional Energy Advisor Coaching and Programming
- County Compost Facility Development
- Electric Vehicle Infrastructure Development
- Nitrogen Fertilizer Optimization Program Exploration
- Outdoor Heating and Snowmelt System Resource Guide
- Outdoor Heating Notification System

Ongoing

- Bicycle and Pedestrian Improvement Plan Coordination
- County Facility Lighting and Efficiency Upgrades
- County Fleet Vehicle Investments
- Regional Transit Expansion Coordination