

Building Decarbonization Subaward

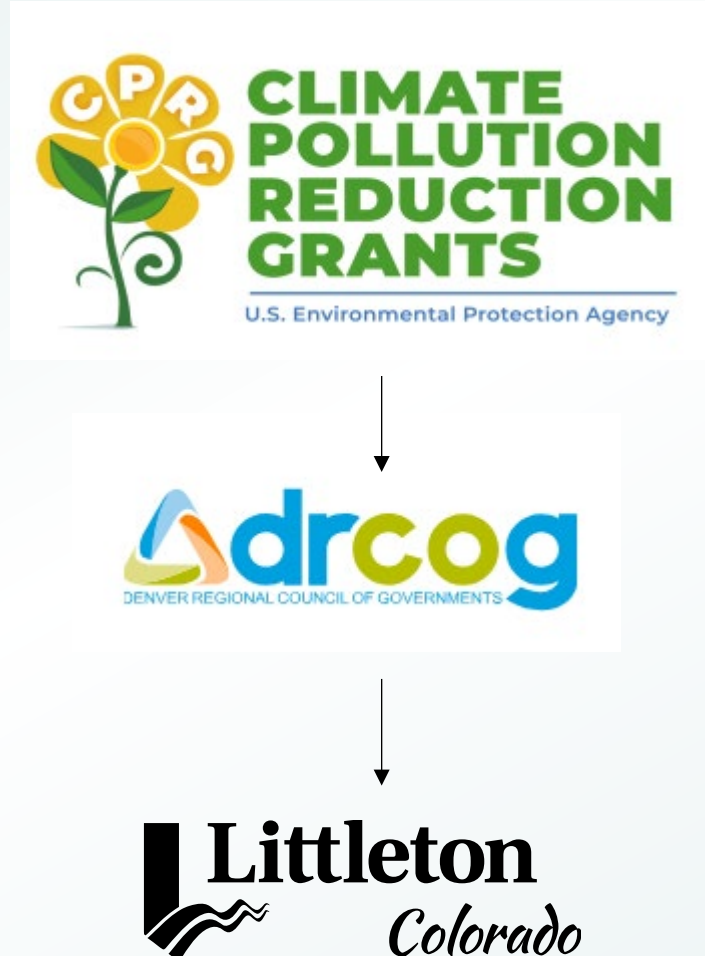
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Agenda

- **Subaward Background**
- **Building decarbonization and why it matters**
- **Subaward Goals**
- **Subaward Timeline**
- **Questions**

Subaward Background



- 2024: Denver Regional Council of Governments (DRCOG) awarded \$199.7m grant from US EPA
 - In that grant, there is a \$39m policy component to support pollution reduction
 - Building Policy Collaborative (BPC)
 - BPC includes capacity-building subawards for formula-funded member jurisdictions
- September 2025: draft completed and presented to Littleton leadership
- October 2025: Submitted application for Littleton to receive subaward funds
- March 2026: Littleton awarded **\$900,000** in NON-MATCHING dollars for this work

What is “Building Decarbonization”?

- **Building decarbonization** = the goal of ending our dependence on oil and gas as power sources to reduce greenhouse gas emissions

Examples:

- Electrifying heating, cooling, appliances, etc.
- Efficient envelopes, lighting, HVAC, etc.
- Diversion of construction waste from landfills
- On-site renewable energy resources
- Enhanced controls and building automation
- Long-term building energy monitoring and measurement

Why Does Building Decarbonization Matter?

1

Public health: air quality impacts of gas appliances

2

Saving money: reduced energy bills create long-term affordability due to increased efficiency

3

Climate change: address GHG emissions from buildings and meet regional and state climate goals



Goal 1: Exploration of Embodied Carbon



- Construction & demolition (C&D) waste
- Develop a comprehensive literature review
- Integrate this work into the South Metro Waste Diversion Plan
- Draft ordinance language for reducing C&D waste

Goal 2: Colorado Low Energy and Carbon Code

- Internal audit of existing codes
- Measurement and evaluation of effectiveness
- Compliance plan
- Future council decision point from the evaluation of possible exceedance of state minimum codes



Goal 3: Residential Baseline Energy Assessment

- Quantitative assessment of current energy usage in single-family homes in Littleton through volunteers participating in the study
- Develop realistic and tailored goals aimed at demand energy reduction
- Build out long-term strategy and programming to achieve greenhouse gas reduction goals

Subaward Timeline

Phases	Q3- Q4 26	Q1- Q2 27	Q3- Q4 27	Q1- Q2 28	Q3- Q4 28	Q1- Q2 29	Q3- Q4 29
1. Exploration of Embodied Carbon							
2. Colorado Low Energy and Carbon Code							
3. Residential Baseline Energy Assessment							



Questions and Comments