



# EPA Climate Pollution Reduction Grants

SLC Metropolitan Statistical Area  
Stakeholders Meeting  
October 11, 2023

- 1) 6 mins – Welcome and Introductions
- 2) 14 mins – CPRG Overview, Purpose, and Timing + SLC CPRG Plan
- 3) 35 mins – Input and Interactive Sessions
  - *State of Utah and SLC Metro Plans*
  - *Priority GHG Reduction Measures*
  - *Community Engagement Process*
- 4) 5 mins – Next Steps



Overview of EPA  
CPRG Program

# *Climate Pollution Reduction Grants*

# PLANNING GRANTS

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# IMPLEMENTATION GRANTS

# EPA CPRG: Key Deliverables

**Priority  
Climate  
Action Plan  
("PCAP")**

Due March 1, 2024

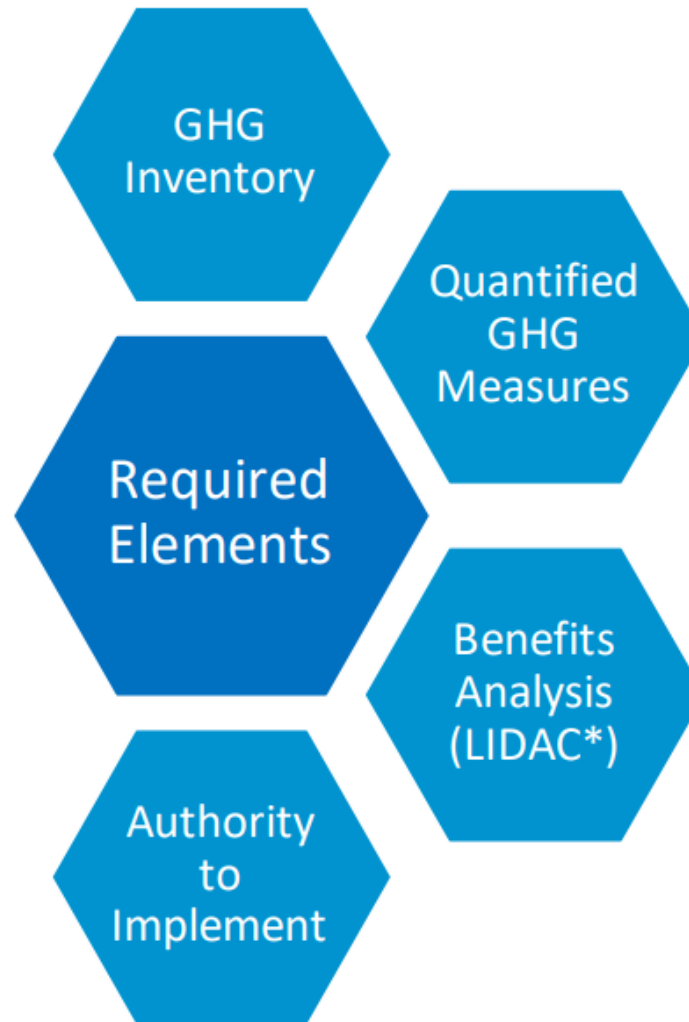
**Comprehensive  
Climate Action  
Plan  
("CCAP")**

Due August 4, 2025  
*Two years from grant  
award date*

**Status  
Report**

Due August 4, 2027  
*Four years from grant  
award date*

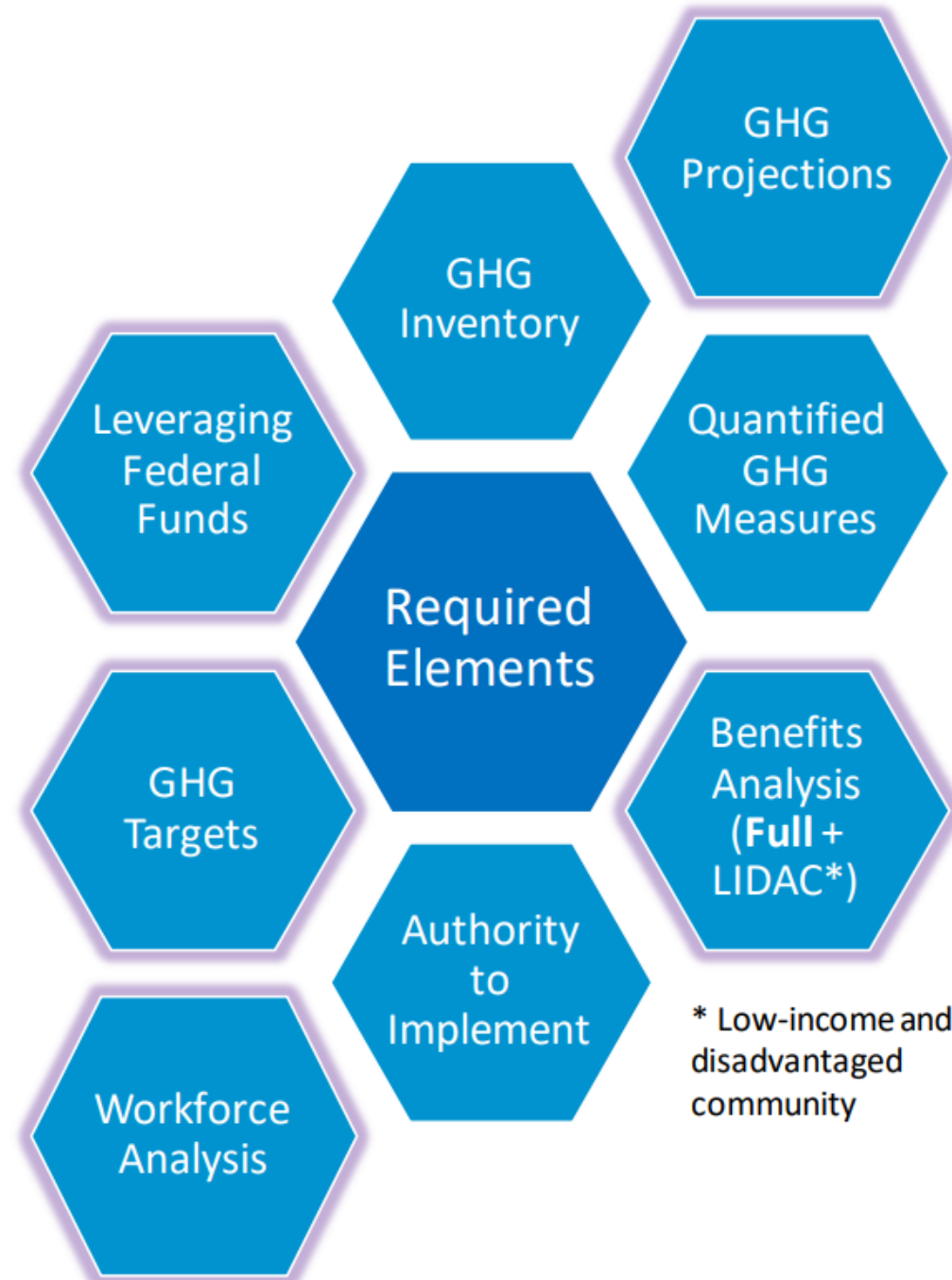
# Priority Climate Action Plan



- Due March 1, 2024
- Identifies near-term action items to prepare for implementation grants
- Can focus on specific sector(s) or sources
- Limited set of requirements that set foundations for informed decisions
- May build on previous climate planning efforts

\* Low-income and disadvantaged community

# Comprehensive Climate Action Plan



- Due 2 years from the date of award for states and metro areas (summer 2025) and at close of grant for tribes and territories
- Covers GHG reduction measures across **all significant sources/sinks and sectors**
- Establishes near-term **and long-term** GHG emission reduction targets
- Adds additional required analyses to support robust implementation

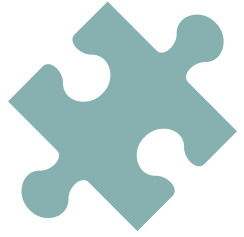


Vision, Needs, and  
Opportunities

# *SLC Metro Area Process*



# "PCAP" Key Elements



**GHG  
Inventory**



# **GHG Inventory: All Sectors**

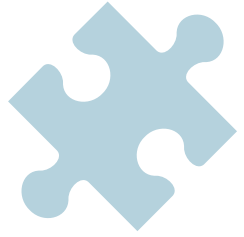
- ✓ **Agriculture**
- ✓ **Commercial and Residential Buildings**
- ✓ **Electricity Generation and/or Use**
- ✓ **Industry**
- ✓ **Natural and Working Lands**
- ✓ **Transportation**
- ✓ **Waste and Materials Management**



# GHG Inventory: Priority Sectors

- ✓ Agriculture
- ✓ **Commercial and Residential Buildings**
- ✓ **Electricity Generation and/or Use**
- ✓ Industry
- ✓ Natural and Working Lands
- ✓ **Transportation**
- ✓ Waste and Materials Management

# "PCAP" Key Elements



**GHG  
Inventory**



**Reduction  
Measures**

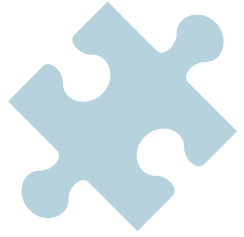
# What is a “Priority Measure”?

- ✓ **Near-Term**
- ✓ **High Priority**
- ✓ **Implementation-Ready**
- ✓ **Authority to Implement *or* Pathway**

# Priority Measure: SLC MSA Parameters

- ❑ **Addresses Priority Sector**
- ❑ **Community-Level Impact**
- ❑ **Considers Equity Implications and Benefits**
- ❑ **Substantial GHG Emissions Reduction (e.g., transformative)**
- ❑ **Scalable and Durable Solution (e.g., cost-effectiveness)**
- ❑ **Clear Authority to Implement**

# "PCAP" Key Elements



**GHG  
Inventory**



**Reduction  
Measures**



**LIDAC\*  
Benefits  
Analysis**

*\* LIDAC = Low-Income and Disadvantaged Communities*

# **Low-Income Disadvantaged Community Benefits Analysis**

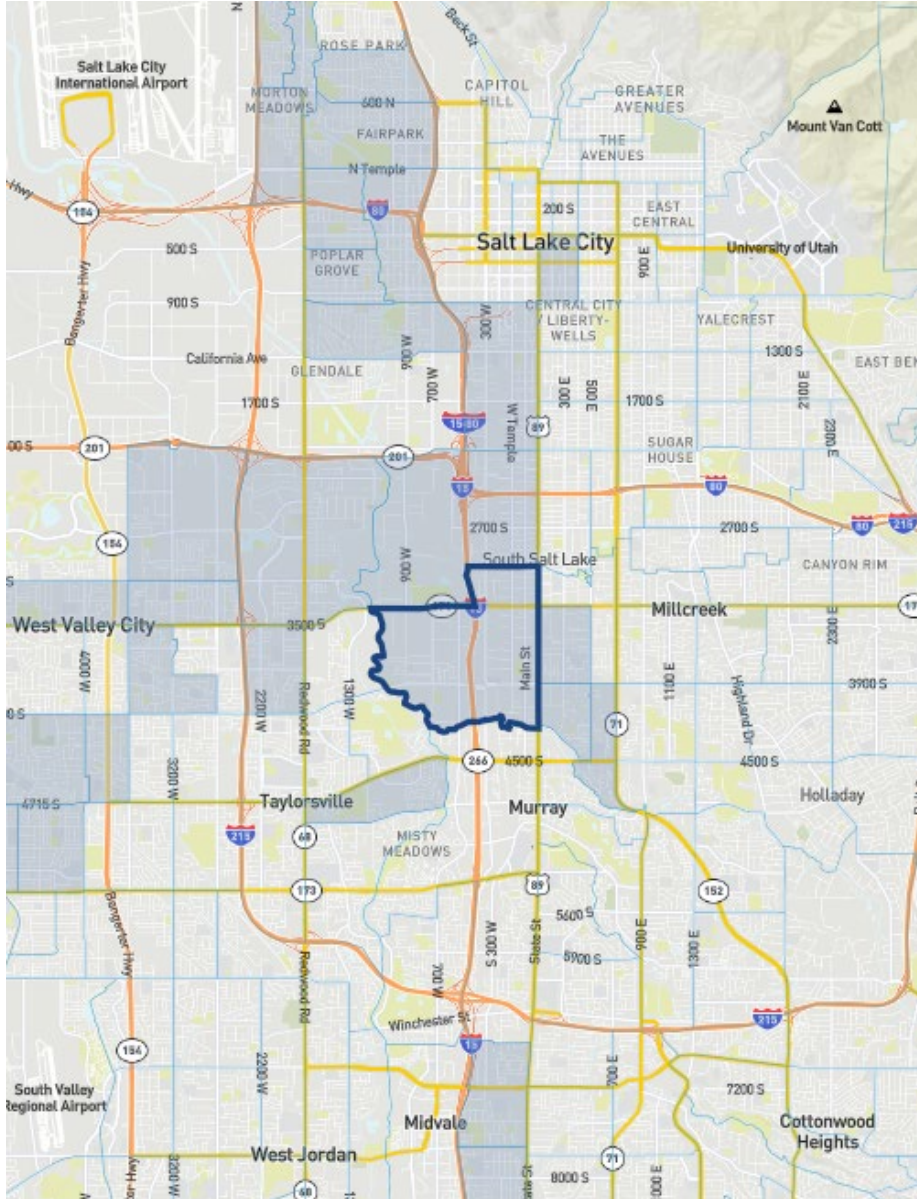
**Community  
Engagement**

**Pollution  
Reduction**

**Reduced Energy  
Cost Burden**

**Workforce  
Opportunities**





<b>Climate change</b>	+
<b>Energy</b>	+
<b>Health</b>	-

**Asthma**  
Share of people who have been told they have asthma

**73rd**  
not above 90th percentile

**Diabetes**  
Share of people ages 18 years and older who have diabetes other than diabetes during pregnancy

**7th**  
not above 90th percentile

**Heart disease**  
Share of people ages 18 years and older who have been told they have heart disease

**4th**  
not above 90th percentile

**Low income** **65th**  
People in households where income is less than or equal to twice the federal poverty level, not including students enrolled in higher ed  
above 65th percentile

<b>Housing</b>	+
<b>Legacy pollution</b>	+
<b>Transportation</b>	+
<b>Water and wastewater</b>	+
<b>Workforce development</b>	+

## Meaningful involvement means:

- People have an opportunity to **participate in decisions** about activities that may affect their environment and/or health
- The public's contribution can **influence the regulatory agency's** decision
- **Community concerns** will be considered in the decision-making process
- Decision makers will seek out and facilitate the **involvement of those potentially affected**

Community  
Engagement

Pollution  
Reduction

Reduced  
Energy Burden

Workforce  
Opportunities

# "PCAP" Key Elements



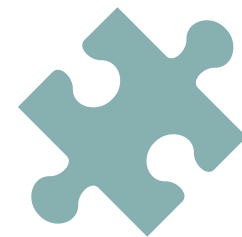
**GHG  
Inventory**



**Reduction  
Measures**



**LIDAC\*  
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**Authority to  
Implement**

*\* LIDAC = Low-Income and Disadvantaged Communities*

# Authority to Implement

*“...identify for each measure whether the relevant state or local governments already have existing statutory or regulatory authority to implement the measure, or whether such authority still must be obtained.”*

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Inform the SLC  
Metro Plan

# *Input and Interactive Sessions*



CPRG Plan  
Development

# *SLC Metro Area vs. Utah Statewide*

# Beehive Emission Reduction Plan



UTAH DEPARTMENT of  
ENVIRONMENTAL QUALITY  
**AIR  
QUALITY**



# Utah DAQ – Priority Measures

## — Homework Assignment #1:

Share your ideas for priority GHG emission reduction measures.

### Consider:

- Level of reduction (tons reduced)
- Cost-effectiveness (\$/ton reduced)
- Transformative potential
- Use CO<sub>2</sub> equivalent (CO<sub>2</sub>e) to account for differences in global warming potential (GWP)
- Emissions reduction estimates should be netted of any associated increases in emissions
- Near-term emissions reductions are more valuable than later-term emissions reductions, other things being equal

# Utah DAQ - Funding & Partnerships

## — Homework Assignment #2

Share your interest in funding opportunities and partnerships.

- Are you already applying or considering applying for federal funding?
- Are you interested in coordinating/partnering with UDAQ on funding and measures?

### Example agencies

- Office of Energy Development/Dept. of Natural Resources
- Department of Transportation
- Department of Workforce Services
- Department of Agriculture and Food
- Metropolitan Planning Organizations
- Local health departments
- Municipal Government
- Tribes
- Academia





GHG Reduction  
Measures

# *Priority Solutions*



# GHG Inventory: Priority Sectors

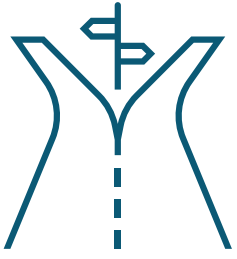
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- ✓ **Transportation**
- ✓ Waste and Materials Management

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- Clear Authority to Implement**



# Example GHG Reduction Measures: Transportation

- ❖ Increase **electric** light-, medium-, and heavy-duty vehicles, and/or expand **EV charging** infrastructure
- ❖ New or expanded **transportation infrastructure** projects to facilitate public transit, micro-mobility, car sharing, bicycle, and pedestrian modes
- ❖ Update **building and zoning codes** to encourage walkable, bikeable, and transit-oriented development
- ❖ Policies to support **transportation management incentive programs** to reduce vehicle trips or travel and expand transit use, such as van-pool programs, ridesharing, transit fare subsidies, and bicycle facilities
- ❖ More ideas included in the NOFO...

*Excerpted from EPA Notice of Funding Opportunity (NOFO)*



# Example GHG Reduction Measures: Buildings

- ❖ Incentive programs for implementation of energy efficiency measures in existing government-owned, commercial, and residential buildings
- ❖ Programs and policies to promote electrification of government-owned, commercial, and residential buildings, including EV charging
- ❖ Implementation of a new benchmarking and building performance standards
- ❖ Adoption and implementation of the most up-to-date building energy codes or stretch codes for new commercial and residential buildings
- ❖ More ideas included in the NOFO...





# Example GHG Reduction Measures: Electric Power

- ❖ Targeted incentives for installation of renewable energy and energy storage systems on commercial and residential buildings, such as net metering, tax credits, rebates, and streamlined interconnection standards
- ❖ Development of distributed or community-scale renewable energy generation, microgrids, or vehicle-to-grid infrastructure in disadvantaged communities, including remote and rural regions
- ❖ Programs to support smart-grid and/or behind-the-meter technologies to reduce power losses, reduce peak demand, and enable consumer participation in distributed generation
- ❖ More ideas included in the NOFO...



Ideas and  
Opportunities

# *Public Engagement and Input*

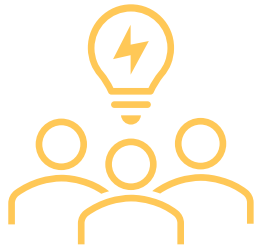
# Example Engagement: SLC MSA Plan



**Jurisdictional  
Partners and  
Stakeholders**



**Online  
Information and  
Survey**



**Environmental  
Justice Committee**

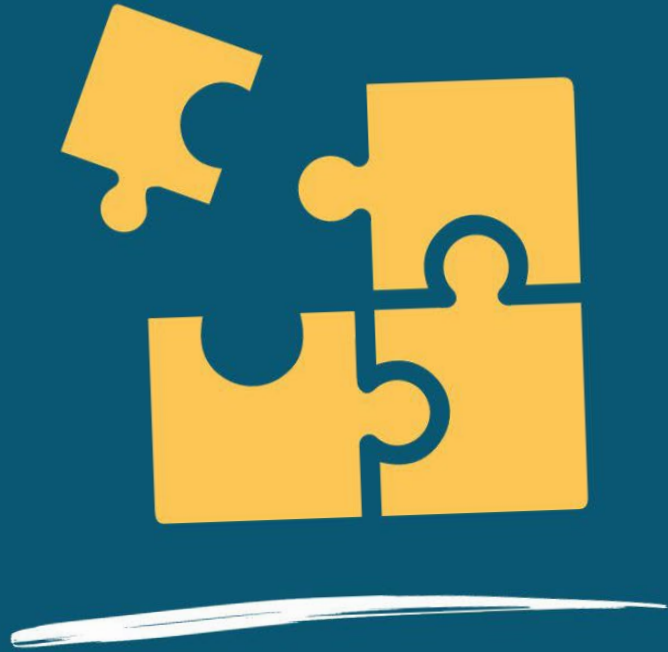


**Public Workshops  
and Info Sessions**



Closing  
Comments and  
Questions

# *Next Steps*



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