

EPA Climate Pollution Reduction Grants

SLC Metropolitan Statistical Area
Jurisdictional Partners Meeting
October 18, 2023

- 1) 10 mins – Welcome and Introductions
- 2) 25 mins – CPRG Overview, Purpose, and Timing + SLC CPRG Plan
- 3) 75 mins – Input and Interactive Sessions
 - *10 mins - State of Utah and SLC Metro Plans*
 - *45 mins - Priority GHG Reduction Measures*
 - *20 mins - Community Engagement Process*
- 4) 10 mins – Next Steps



Overview of EPA
CPRG Program

Climate Pollution Reduction Grants

PLANNING GRANTS

IMPLEMENTATION GRANTS

EPA CPRG: Key Deliverables

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

Due March 1, 2024

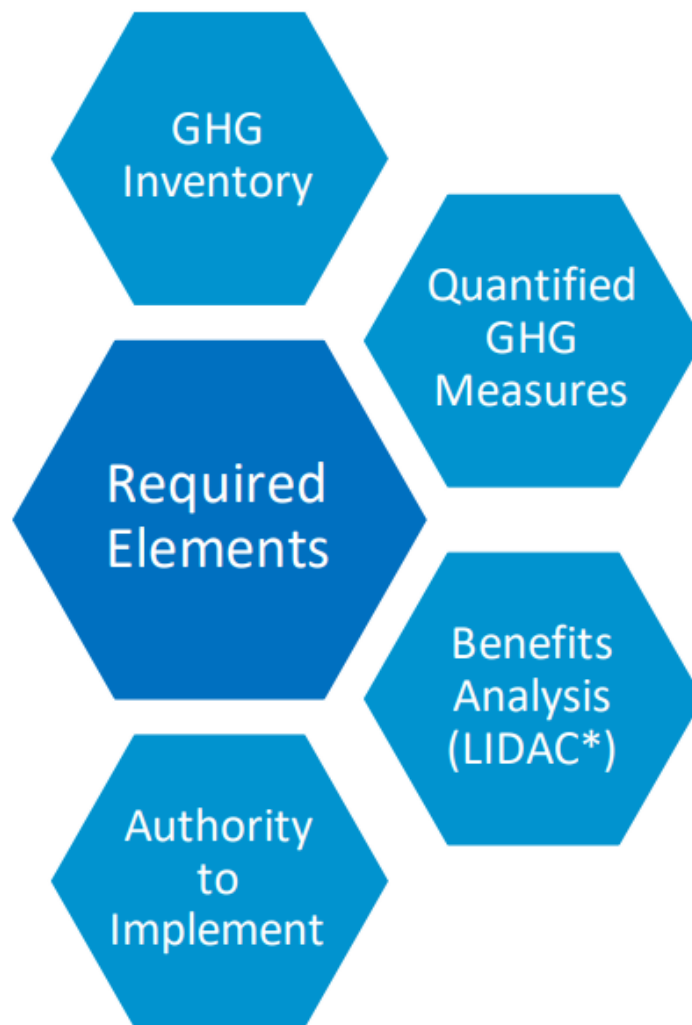
**Comprehensive
Climate Action
Plan
("CCAP")**

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

**Status
Report**

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

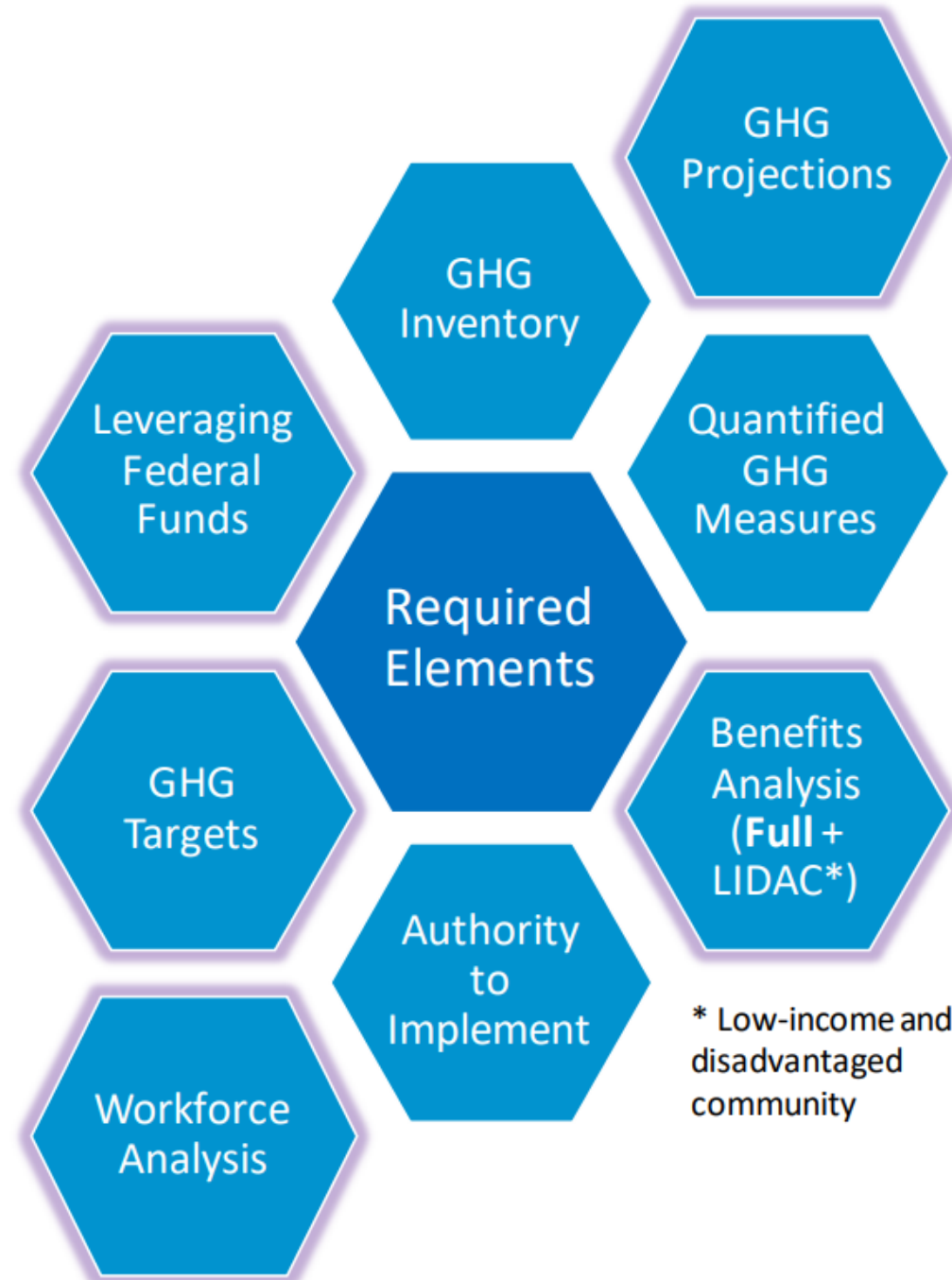
Priority Climate Action Plan



- 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



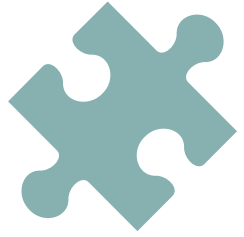
- Due 2 years from the date of award for states and metro areas (summer 2025) and at close of grant for tribes and territories
- Covers GHG reduction measures across **all significant sources/sinks and sectors**
- Establishes near-term **and long-term** GHG emission reduction targets
- Adds additional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



Vision, Needs, and
Opportunities

SLC Metro Area Process

"PCAP" Key Elements



**GHG
Inventory**



GHG Inventory: All Sectors

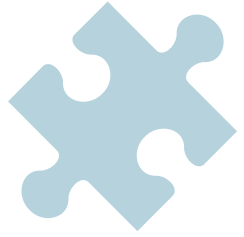
- ✓ **Agriculture**
- ✓ **Commercial and Residential Buildings**
- ✓ **Electricity Generation and/or Use**
- ✓ **Industry**
- ✓ **Natural and Working Lands**
- ✓ **Transportation**
- ✓ **Waste and Materials Management**



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**

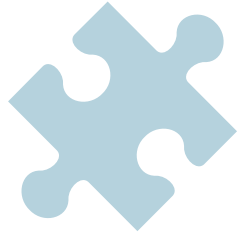
What is a “Priority Measure”?

- ✓ **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*

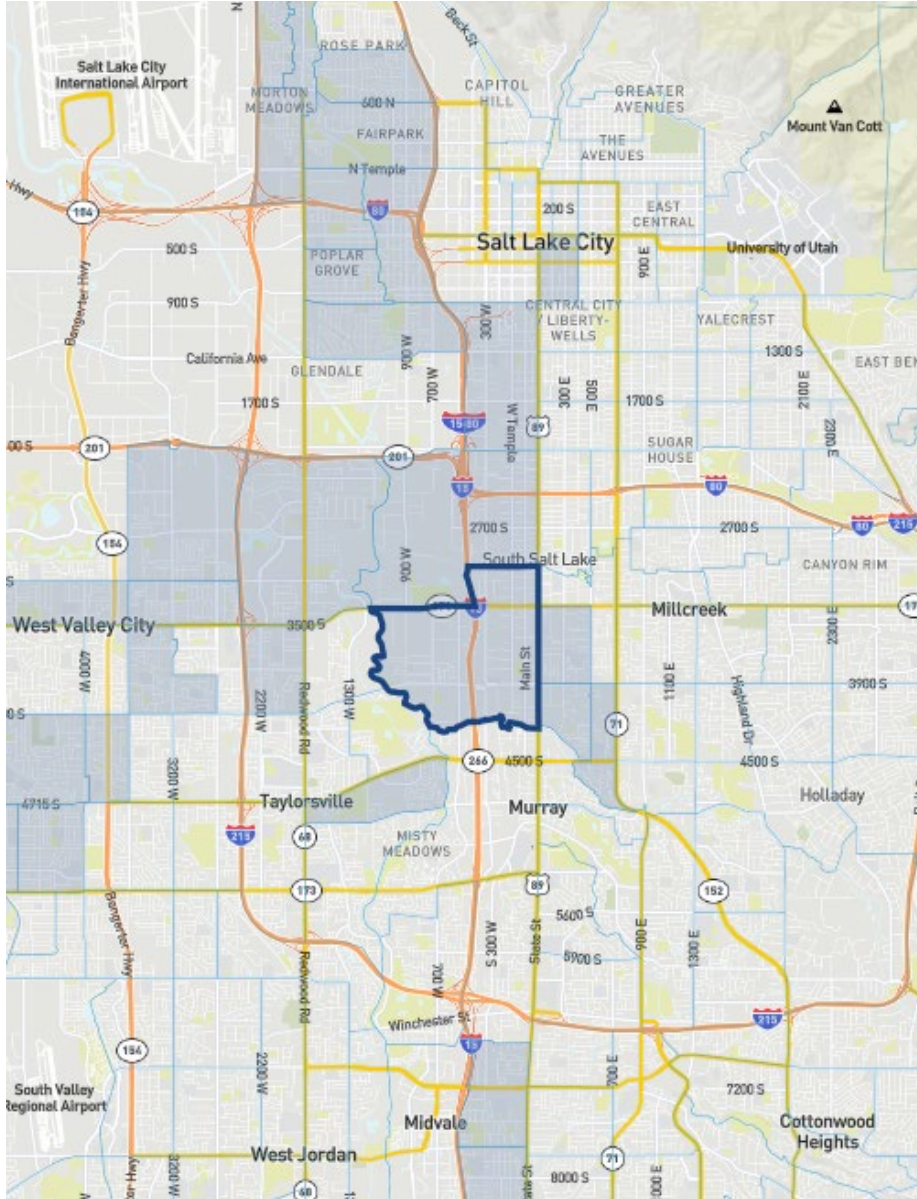
Low-Income Disadvantaged Community Benefits Analysis

**Community
Engagement**

**Pollution
Reduction**

**Reduced Energy
Cost Burden**

**Workforce
Opportunities**



Climate change	+
Energy	+
Health	-

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

Housing	+
----------------	---

Legacy pollution	+
-------------------------	---

Transportation	+
-----------------------	---

Water and wastewater	+
-----------------------------	---

Workforce development	+
------------------------------	---

Asthma **73rd**
not above 90th percentile
 Share of people who have been told they have asthma

Diabetes **7th**
not above 90th percentile
 Share of people ages 18 years and older who have diabetes other than diabetes during pregnancy

Heart disease **4th**
not above 90th percentile
 Share of people ages 18 years and older who have been told they have heart disease

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



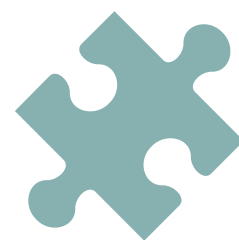
**GHG
Inventory**



**Reduction
Measures**



**LIDAC*
Benefits
Analysis**



**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.”

EPA CPRG: Key Deliverables

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

Due March 1, 2024

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

Due Summer 2025
*Two years from grant
award date*

**Status
Report**

Due Summer 2027
*Four years from grant
award date*

Plan Element	Priority Climate Action Plan	Comprehensive Climate Action Plan	Status Report
GHG Inventory	Required	Required	Update Encouraged
GHG Emissions Projections	Not Required	Required	Update Encouraged
GHG Reduction Targets	Not Required	Required	Not Required
Quantified GHG Reduction Measures	Required (priority measures only)	Required (comprehensive)	Status and Updates Required
Benefits Analysis	Encouraged	Required	Required
Low Income/ Disadvantaged Communities Benefits Analysis	Required	Required	Required
Review of Authority to Implement	Required	Required	Update Required
Intersection with Other Funding Availability	Encouraged	Required	Required
Workforce Planning Analysis	Encouraged	Required	Required
Next Steps/Future Budget and Staffing Needs	Not Required	Not Required	Required

Source: "Climate Pollution Reduction Grants Program: Formula Grants for Planning," EPA (2023)



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 CO₂ equivalent (CO₂e) 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

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

Solutions Discussion

Electricity



Utility



Distributed

Transportation



Transit



Personal EVs



Electric Fleets



Active Transport

Buildings



Electric Appliances



Home Efficiency



Commercial Strategies



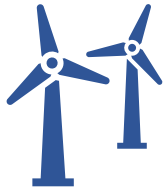
Example GHG Reduction Measures: Electric Power

- ❖ 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...

Electricity

Below notes from 10/18/23 Jurisdictional Partners Meeting

- What are you already doing that could use more support?
- What are your new project-ready ideas?
- What else would you be doing if money, time, and partners were no object?



Utility

- Utility-scale renewable energy projects
- Adjusting zoning to allow solar field(s)



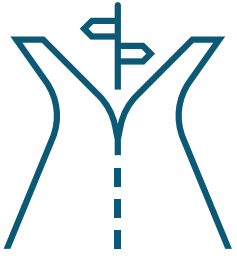
Distributed

- Small-scale wind turbines for businesses
- Ensuring renewable generation for new buildings
- Solar grants for moderate income (currently less incentives focus)
- Pairing solar and EV charging



Other

- Infrastructure to improve resiliency
- Pairing policy w/incentives – creating optionality



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)

Transportation

Below notes from 10/18/23 Jurisdictional Partners Meeting

- What are you already doing that could use more support?
- What are your new project-ready ideas?
- What else would you be doing if money, time, and partners were no object?



Transit

- Improved and quicker long-distance commuter bus routes
- Double-tracking of FrontRunner (UTA); electrification is longer-term



Personal EVs

- Public EV charging (govt sites, etc.)
- EV charging-ready codes and zoning, plus incentives



Electric Fleets

- Govt and business fleet electrification – support for related infrastructure
- SLC and West Jordan studying fleet electrification



Active Transport

- Tooele City has a new active transportation plan (county has plan too)
- Other existing plans for active transportation (need to define what is ready to implement)
- Millcreek is adding bike routes, but could use funding



Other

- Local jobs to decrease commuting
- Roundabouts



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...

Buildings

Below notes from 10/18/23 Jurisdictional Partners Meeting

- What are you already doing that could use more support?
- What are your new project-ready ideas?
- What else would you be doing if money, time, and partners were no object?



Electric Appliances

- All-electric, high-efficiency municipal facilities
- Effective electric cooking, including restaurants
- All-electric new construction: homes and residential
- Home electrification retrofits
- Electric panel upgrades



Home Efficiency

- Home efficiency retrofits
- Partnerships with housing authorities and programs, including staff support



Commercial Strategies

- Older buildings and historic preservation/efficiency focus (incentives and support)
- SLC benchmarking program
- Energy utility program support (e.g., wattsmart business)



Other

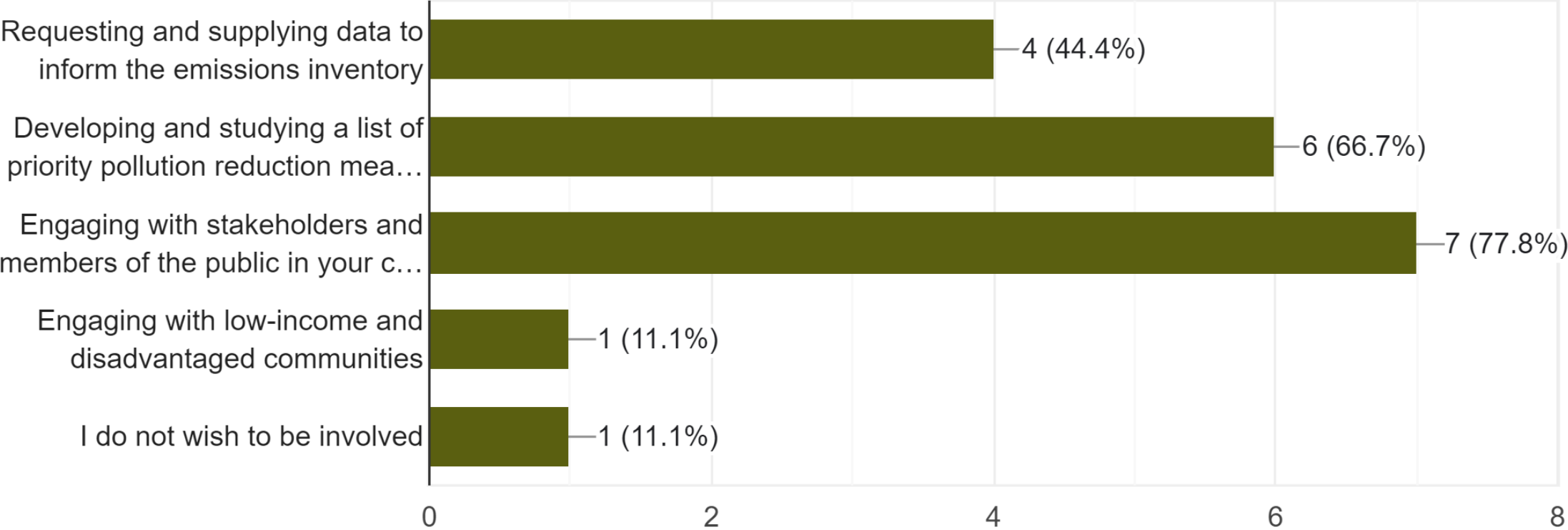
- Water-saving measures



Ideas and
Opportunities

Public Engagement and Input

PLAN DEVELOPMENT: How would you like to be involved in the development of a climate plan for the Salt Lake City MSA? *(mark all that apply)*



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

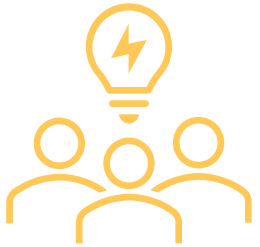
Example Engagement: SLC MSA PCAP



**Jurisdictional
Partners and
Stakeholders**



**Online
Information and
Survey**



**Environmental
Justice Committee**



**Public Workshops
and Info Sessions**



Closing
Comments and
Questions

Next Steps

Jurisdictions

Analysis

Stakeholders


EJ Committee


Community


Oct


 meeting

 solicit climate action ideas

 contract signed

 preliminary inventory

 meeting

 solicit climate action ideas

 contract signed


 online survey published


Nov

 meeting


 committee formed

Dec

 meeting

 measures reviewed


 quantify reductions

 input summarized


 online survey closes


Jan

 first meeting

 input summarized

Feb

 meeting

 measures decided

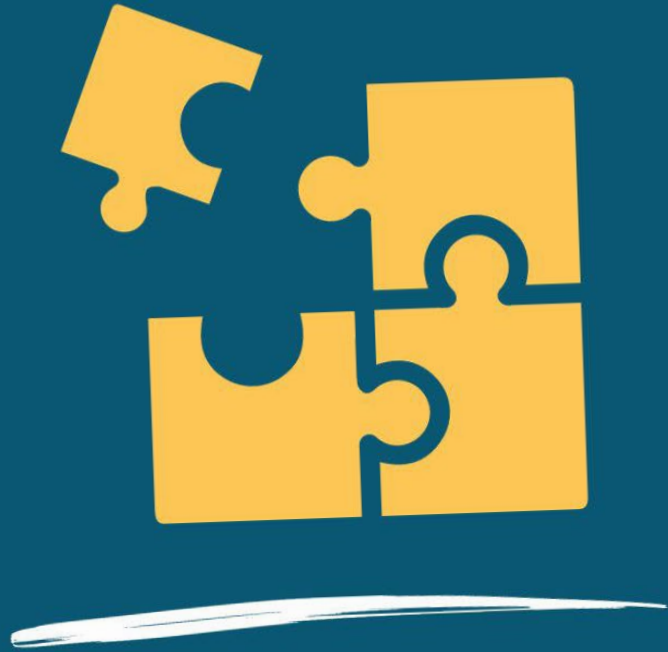
 input summarized

Mar

 PCAP report published

2023-24 SLC MSA CPRG Timeline and Deliverables

 Spanish translation



EPA Climate Pollution Reduction Grants

SLC Metropolitan Statistical Area
Jurisdictional Partners Meeting
October 18, 2023