

# EPA Climate Pollution Reduction Grants

SLC Metropolitan Statistical Area  
Jurisdictional Partners and Stakeholders  
December 2023 Strategy Meeting

- 1) 10 mins – Welcome and Meeting Purpose
- 2) 10 mins – CPRG Process and Upcoming Milestones
- 3) 25 mins – Submitted GHG Reduction Measures and Q&A
- 4) 45 mins – Interactive Breakout Discussions: GHG Reduction Measures
  - 5 mins – *Logistics and Process Overview*
  - 20 mins – *Breakout Group #1*
  - 20 mins – *Breakout Group #2*



Climate Pollution  
Reduction Grants

# *SLC CPRG Process and Milestones*

# — Beehive Emission Reduction Plan



UTAH DEPARTMENT of  
ENVIRONMENTAL QUALITY  
**AIR  
QUALITY**

# PLANNING GRANTS

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# PLANNING GRANTS

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# IMPLEMENTATION GRANTS

# EPA CPRG: Key Deliverables

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

Due March 1, 2024

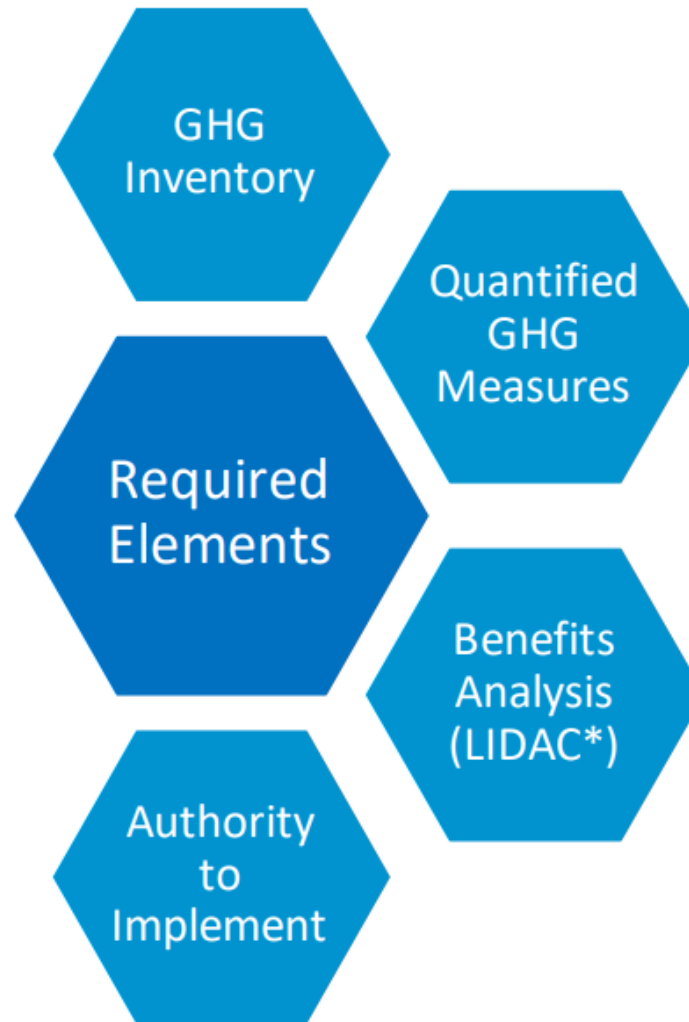
**Comprehensive  
Climate Action  
Plan  
("CCAP")**

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

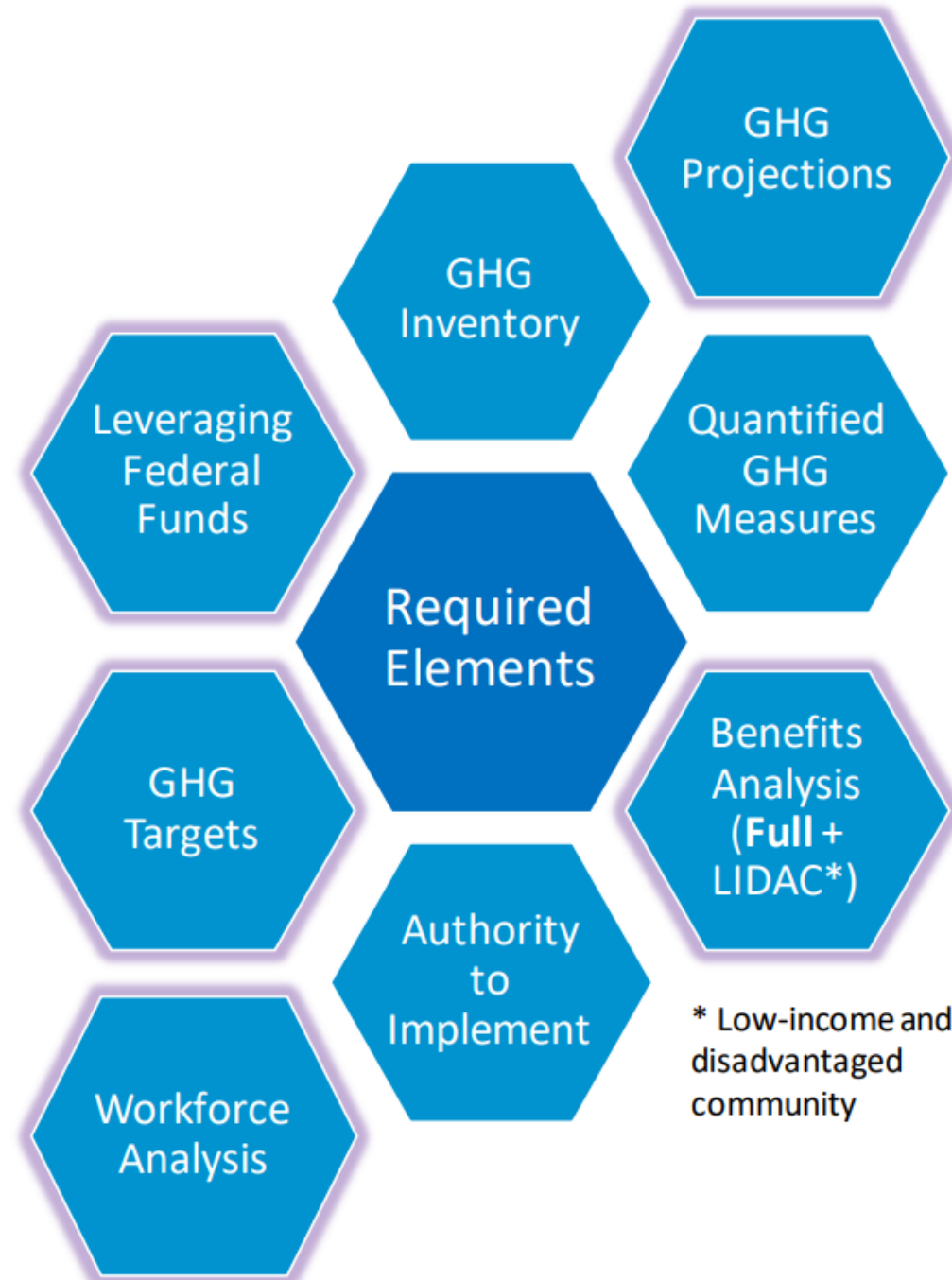


- Due March 1, 2024
- Identifies near-term action items to prepare for implementation grants
- Can focus on specific sector(s) or sources
- Limited set of requirements that set foundations for informed decisions
- May build on previous climate planning efforts

\* 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

# EPA CPRG: Key Deliverables

## Priority Climate Action Plan ("PCAP")

Due March 1, 2024

## Implementation Grant Proposals

Due April 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*

# EPA CPRG: Implementation Grants

## Eligible Applicants

State Government  
Departments and Agencies

Local Government  
Departments and Agencies

Tribes and Tribal  
Consortiums

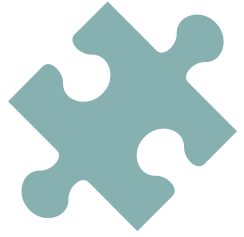
Coalition of Eligible  
Applicants

# EPA CPRG: Implementation Grants

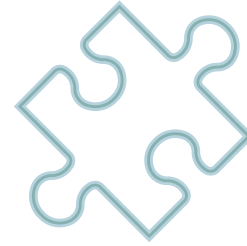
**Other municipal entities** such as regional transit authorities, public housing authorities, port authorities, water sanitation, and waste districts, **public school districts**, and flood authorities **may be eligible to apply** if they meet the below criteria and can provide documentation proving that:

- They constitute a public body created by or pursuant to State law, and
- They are accountable to municipal or state units of government

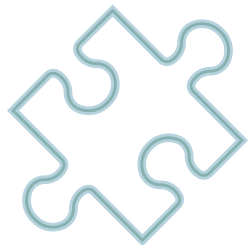
# "PCAP" Key Elements



**GHG  
Inventory**



**Reduction  
Measures**



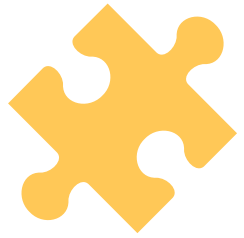
**LIDAC\*  
Benefits  
Analysis**



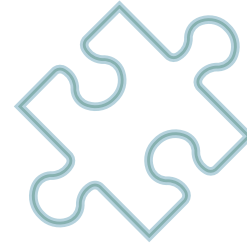
**Authority to  
Implement**

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

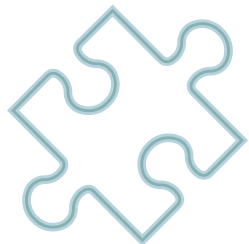
# Updates and Next Steps



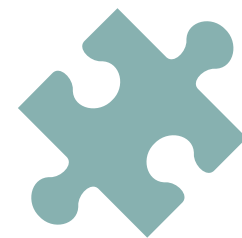
**GHG  
Inventory**



**Reduction  
Measures**



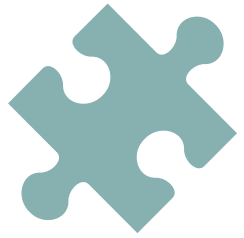
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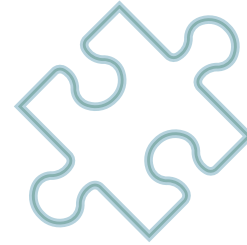
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# Updates and Next Steps



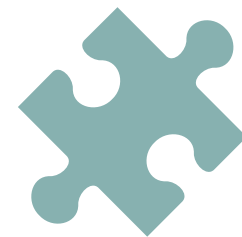
**GHG  
Inventory**



**Reduction  
Measures**



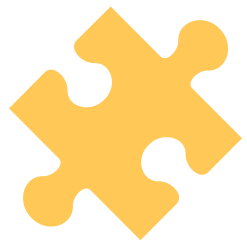
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Benefits  
Analysis**



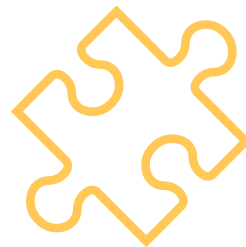
**Authority to  
Implement**

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# "PCAP" Key Elements



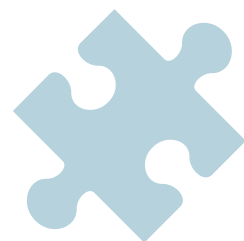
**GHG  
Inventory**



**Reduction  
Measures**



**LIDAC\*  
Benefits  
Analysis**



**Authority to  
Implement**

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# **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



GHG Reduction  
Measures

# *Submitted Solutions*

# 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**



## EPA Climate Pollution Reduction Grants (CPRG) • SLC Metropolitan Statistical Area • Partner and Stakeholder Survey

The Salt Lake City Metropolitan Statistical Area (MSA\*) has received funding from the U.S. Environmental Protection Agency (EPA) to create a greenhouse gas (GHG) emissions inventory along with plans to reduce climate pollution across the region. This project, titled the Greater Salt Lake Area Clean Air and Energy Roadmap (CLEAR), will include two major planning milestones:

- **Priority Climate Action Plan (PCAP):** Due March 1, 2024
- **Comprehensive Climate Action Plan (CCAP):** Due August 4, 2025 (*two years from award date*)

The below survey is an initial step towards identifying priority GHG emissions reduction measures for inclusion in the PCAP along with ideas to enhance public engagement. We will use results to inform evaluation efforts and the approach to upcoming workshops.

Please provide a response by **EOD on Friday, November 10th.**

EPA Climate Pollution Reduction Grants (CPRG): SLC Metropolitan Statistical Area  
 Greater Salt Lake Area Clean Energy and Air Roadmap (Salt Lake CLEAR)  
 Partner and Stakeholder Survey | Responses Submitted Oct-Nov 2023

Sector	Sub-Sector(s) (e.g., government, education, community, private sector, etc.)	Measure Overview				Additional Details	Submitting Organization Type
		What	Why	How	Who		
Buildings	Government; Private Sector	feet that requires building owners / operators to report annual energy consumption and related carbon emissions plus reducing emissions by 2050	improvements and emission reductions, numerous states and local governments have adopted, or are considering adopting, building performance standards, which can be scaled to reach a whole population of commercial buildings	standards have been adopted by four states and Washington, DC, seven local governments, and the federal government (for federal facilities), and numerous other jurisdictions are considering adoption of this policy.	implementers and building sector partners	response, including GHG emissions reduction estimates for such a program	Non-Profit
Buildings	Community; Private Sector	Building energy efficiency, electrification, retrofits, and labelling via programs and policies	Reduce GHG Emissions	Programs and policies to reduce emissions from the Residential and Commercial buildings sector, including existing buildings and new construction	Local and state government plus partners	Additional details provided in PDF response	Non-Profit
Buildings	Community; Private Sector	Support residential and commercial weatherization retrofits	Reduce GHG Emissions	Rebates to cover costs of materials and installation	Local governments and energy utilities	NA	Local Government
Buildings	Community; Private Sector	Contractor and workforce training efforts and programs	Reduce GHG Emissions	NA	NA	Additional details provided in PDF response	Non-Profit
Buildings	Community; Private Sector	Heat Pump Market Transformation: Funding to engage and incentivize heat pump installers and the supply chain, including manufacturers and distributors, to prioritize	Reduce GHG Emissions; Reduce AQ Emissions; HVAC and water heating contractors and their suppliers strongly influence market outcomes and can be incentivized to make	Leverage best practices and lessons learned from similar efforts around the country while also tailoring an approach for northern	Local governments in the metro area in partnership with other stakeholders (e.g., non-profits, private	<a href="https://cleanheatconnect.ny.gov/">https://cleanheatconnect.ny.gov/</a> <a href="https://loveelectric.org/">https://loveelectric.org/</a> <a href="https://switchison.org/">https://switchison.org/</a>	Local Government

**Additional Details - Required for EPA Priority Climate Action Plan (PCAP)**

*More information at <https://www.epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>*

<b>Proposed Scale of Project</b> <i>(e.g., proposed number of buildings impacted and other details needed to calculate emissions reduced)</i>	<b>Anticipated Project Locations and Geographies</b> <i>(e.g., specific project location sites and/or cities and counties where implemented)</i>	<b>Envisioned Implementation Timeline</b> <i>(e.g., estimated start and end years)</i>	<b>Estimated Implementation Cost</b> <i>(if available)</i>	<b>Complementary Funding Sources</b> <i>(if relevant)</i>	<b>Implementing Organization or Agency and Partners</b> <i>(can include organizations across multiple sectors)</i>	<b>Envisioned CPRG Grant Applicant</b> <i>(must be a local government, state government, or tribal entity in Utah)</i>



# SLC MSA: CPRG Submitted Solutions



**10 Work for a Local Government**



**5 Work for a Non-Profit**



**3 Work for an Educational Institution**

# Priority Sectors: SLC MSA PCAP

Electricity



Utility



Distributed

Transportation



Transit



Personal EVs



Electric Fleets



Active Transport

Buildings



Electric  
Appliances



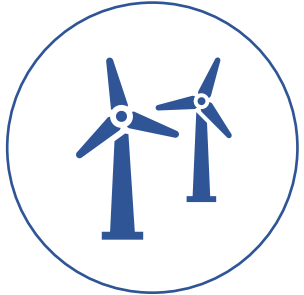
Home  
Efficiency



Commercial  
Strategies

# Priority Sectors: SLC MSA PCAP

Electricity



Utility



Distributed

Transportation



Transit



Personal EVs



Electric Fleets



Active Transport

Buildings



Electric Appliances



Home Efficiency



Commercial Strategies

**14 Measures Submitted**

# Priority Sectors: SLC MSA PCAP

Electricity



Utility



Distributed

**14 Measures  
Submitted**

Transportation



Transit



Personal EVs



Electric Fleets



Active Transport

**28 Measures  
Submitted**

Buildings



Electric  
Appliances



Home  
Efficiency



Commercial  
Strategies

# Priority Sectors: SLC MSA PCAP

Electricity



Utility



Distributed

**14 Measures  
Submitted**

Transportation



Transit



Personal EVs



Electric Fleets



Active Transport

**28 Measures  
Submitted**

Buildings



Electric  
Appliances



Home  
Efficiency



Commercial  
Strategies

**25 Measures  
Submitted**





Utility



Distributed

# PCAP Solutions: Electricity

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Solar Access and Incentives for Residential (x5)				
Solar Incentives for Commercial (x2)				
Solar on Government Facilities (x2)				
Utah Renewable Communities Program (x2)				
Solar on Public Schools				
SLC DPU Biodigester Upgrade				
DERs: Demand Response, Batteries, and Solar				
Center of Excellence: Decarbonization-Focused (multiple sectors – Buildings, Transportation, etc.)				

*Note: some solar solutions also included battery storage*



Transit



Active Transport

# PCAP Solutions: Transportation

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Mode Shift Strategies and Incentives (x5)				
Bike Sharing Infrastructure and Services (x2)				
E-Bike Rebates and Use Incentives (x2)				
Free or Subsidized Transit Access (x2)				
Mobility Hubs and Active Transportation (x2)				
Concrete Reduction Program				
Enhanced GHG Analysis and Planning				
Freeway Development Reduction & Mitigation				
Streetscapes for Active Transportation				





Personal EVs



Electric Fleets

# PCAP Solutions: Transportation

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Government Fleet Electrification Incentives and EV Charging Infrastructure (x7)				
Medium-to-Heavy-Duty Fleet Electrification (x4)				
Public EV Charging Infrastructure (x4)				
Hydrogen Vehicle Incentives: Heavy-Duty (x2)				
Public EV Purchase Incentives (x2)				
Commercial Building EV Charging Infrastructure				
Residential Housing EV Charging Infrastructure				
School Bus Fleet Electrification				



Home Efficiency



Electric Appliances

# PCAP Solutions: Buildings

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Building Efficiency Programs and Incentives (x3)				
Building Performance Standard (x3)				
Residential HVAC Heat Pumps (x3)				
New Construction Incentives (x2)				
Green Buildings Accelerator Program				
Residential Water Heating Heat Pumps				
Utility-Led Tariffed On-Bill Financing				
Weatherization-Focused Retrofits				
Zero-Emissions Voluntary Stretch Code				



Commercial  
Strategies

# PCAP Solutions: Buildings

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Govt. Facility Efficiency and Electrification (x4)				
Building Performance Standard (x3)				
Building Efficiency Programs and Incentives (x2)				
Green Buildings Accelerator Program				
LED Traffic and Streetlight Replacements				
New Construction Incentives				
No-Cost Energy Assessments: Non-Residential				
Public School Efficiency and Decarbonization				
Weatherization-Focused Retrofits				
Zero-Emissions Voluntary Stretch Code				



# PCAP Solutions: Additional

Submitted PCAP Idea: SLC MSA Survey	What is the scope / scale?	Who could lead grant?	Who are partners?	What ideas are missing?
Contractor Training and Workforce Development (x3)				
Sustainable Materials and Reducing Embodied GHGs in New Construction (x2)				
Incentives for Enhanced Residential and Commercial Recycling Efforts				
Support for Government E-Waste and Composting Facilities				

# Example Engagement: SLC MSA PCAP



**Jurisdictional  
Partners and  
Stakeholders**



**Online  
Information and  
Survey**

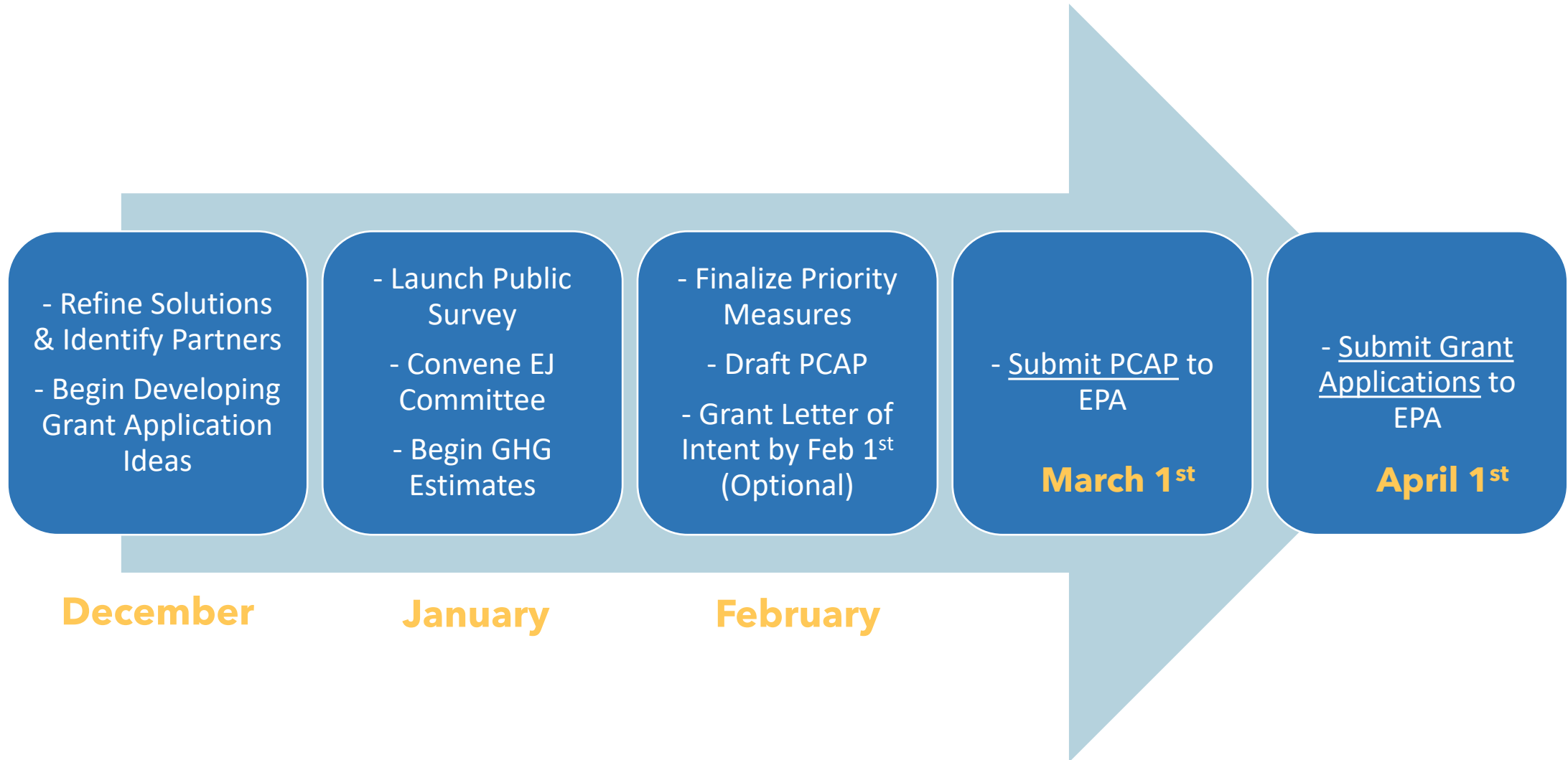


**Environmental  
Justice Committee**



**Public Workshops  
and Info Sessions**

# Next Steps and Key Dates





Priority Sectors,  
Solutions, and  
Partnerships

# *Interactive Breakouts*



# Breakout Groups: CPRG PCAP Solutions

- ❖ Are there priority ideas or concepts missing?





# Breakout Groups: CPRG PCAP Solutions

- ❖ Are there priority ideas or concepts missing?
- ❖ Should any ideas be paired together?



# **Breakout Groups: CPRG PCAP Solutions**

- ❖ **Are there priority ideas or concepts missing?**
- ❖ **Should any ideas be paired together?**
- ❖ **What should the scope be (geography, #s, etc.)?**



# **Breakout Groups: CPRG PCAP Solutions**

- ❖ **Are there priority ideas or concepts missing?**
- ❖ **Should any ideas be paired together?**
- ❖ **What should the scope be (geography, #s, etc.)?**
- ❖ **Who could lead an Implementation Grant proposal?**



# **Breakout Groups: CPRG PCAP Solutions**

- ❖ **Are there priority ideas or concepts missing?**
- ❖ **Should any ideas be paired together?**
- ❖ **What should the scope be (geography, #s, etc.)?**
- ❖ **Who could lead an Implementation Grant proposal?**
- ❖ **Do you want to create partnerships or refine ideas?**



# Breakout Groups: CPRG PCAP Solutions

WHO?

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HOW?

# BREAKOUT ROOMS

Buildings



Electric  
Appliances



Home  
Efficiency

**ROOM #1**

Buildings



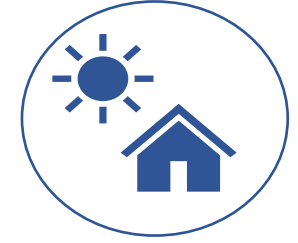
Commercial  
Strategies

**ROOM #2**

Electricity



Utility



Distributed

**ROOM #3**

Transportation



Transit



Active Transport

**ROOM #4**

Transportation

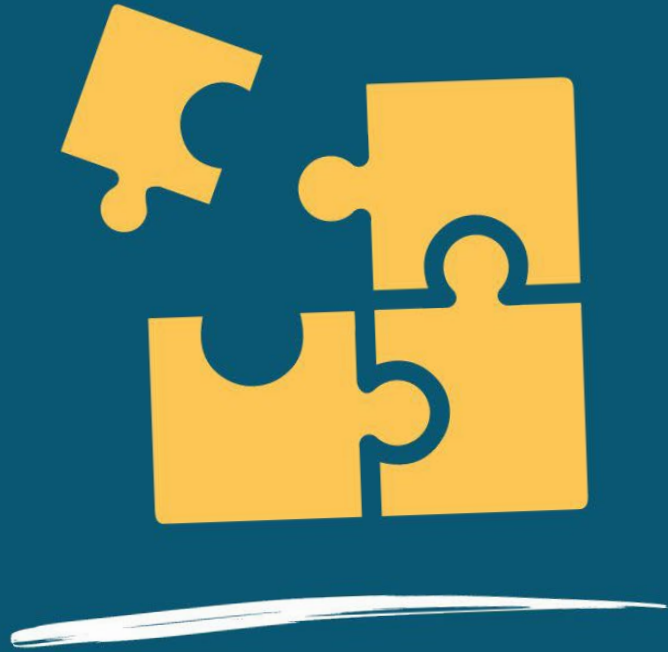


Personal EVs



Electric Fleets

**ROOM #5**



# EPA Climate Pollution Reduction Grants

SLC Metropolitan Statistical Area  
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December 2023 Strategy Meeting