



**TECHNICAL
ASSISTANCE
FORUMS**
**CLIMATE POLLUTION
REDUCTION GRANTS**

U.S. Environmental Protection Agency

Comprehensive Climate Action Plan (CCAP)

May 22, 2024

Disclaimer

The information contained in this presentation is intended for the sole purpose of providing technical assistance to planning grant recipients under EPA's Climate Pollution Reduction Grants (CPRG) program.

In the event of a conflict between the discussion in this presentation and any legally binding requirement, this presentation document would not be controlling. Specific questions on how this information relates to a particular grantee's deliverables should be directed to that grantee's EPA Project Officer.

Welcome

Housekeeping Notes:

- Mics are automatically muted for all registrants and all cameras should be turned off.
- Please enter all questions in the Q&A tab at the TOP of the screen or the Chat Box. Questions will be answered during the Q&A session (*Reserved for Grantees*).
- We encourage you to answer the poll questions which will pop-up periodically throughout the training (*Reserved for Grantees*).
- Slides will be shared after the training.
- A recording will be posted to the Technical Assistance Forum Library for those who were unable to attend.

Agenda

- Planning Grants—Celebrate and Reflect
- What is a CCAP?
- Required CCAP Elements
- Available Resources
- Technical Assistance Forum (TAF) Relaunch Schedule
- Q&A

Planning Grants: 1 Year In

- In March 2023, EPA published the CPRG Planning Grants Program Guidance, establishing a rigorous timeline and robust deliverables to advance climate planning.
- Our goals were to:
 - catalyze climate action
 - encourage, enable, and accelerate state, Tribal, territorial, and local leadership
 - address climate change and environmental inequities.
- You rose to that challenge:
 - Over 200 PCAPs submitted, representing more than 96% of the U.S. population
 - Coordinating across agencies at all levels of government
 - Holding hundreds of public conversations on climate and clean energy
 - Identifying key strategies that were primed for implementation.

Planning Grants: What's Next

- PCAPs were the first step in a larger vision for foundational planning:
 - Plan for and achieve low-cost reductions in GHGs,
 - Spur economic growth and job creation to foster a low-carbon economy,
 - Gain substantial public health co-pollutant benefits through the reduction of criteria and toxic air pollutants, and
 - Create long-term and sustainable pathways to a more climate-resilient world for generations to come.
- To accomplish that vision, planning grantees will:
 - Refine and expand initial plans
 - Integrate long-term strategies with priority measures
 - Identify solutions to implementation challenges
 - Continue robust and meaningful public engagement.

One planning grant, three deliverables over 4 years



Priority Climate Action Plan (PCAP)

- Due **March 1 or April 1, 2024**
- Near-term, implementation-ready, **priority greenhouse gas (GHG) reduction measures**
- **Prerequisite** for implementation grant



Comprehensive Climate Action Plan (CCAP)

- Due in **2025** (later for tribes and territories)
- **All sectors** / significant GHG sources and sinks
- **Near- and long-term** GHG emission reduction goals and **strategies**



Status Report

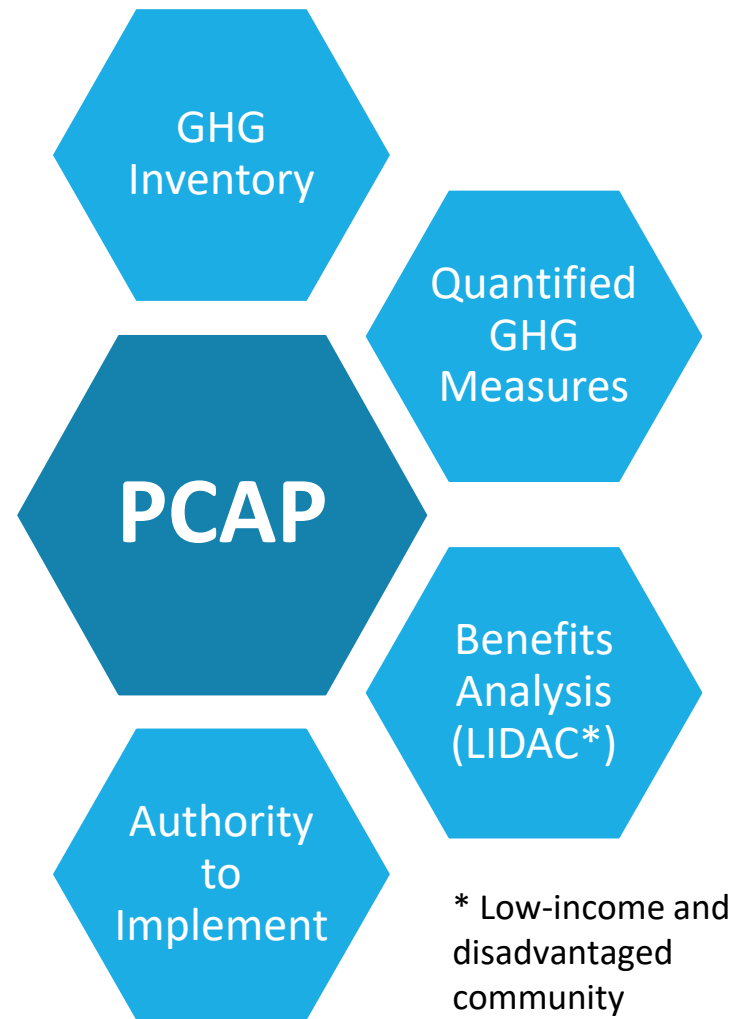
- Due in **2027** (N/A for tribes or territories)
- **Updated** analyses and plans
- **Progress and next steps** for key metrics

What is a CCAP?

- The culmination of a rigorous, sustained process that involves working across multiple levels of government, gathering meaningful community input, and conducting additional stakeholder outreach
- An actionable roadmap for climate action that reflects local contexts
- With the Priority Climate Action Plan as a springboard, the CCAP:
 - Updates and expands understanding of GHG sources/sinks
 - Establishes near-term and long-term GHG emission reduction targets
 - Identifies a broad range of GHG reduction measures across all economic sectors
 - Assesses co-benefits for all communities, especially LIDAC
 - Explores implementation authority, funding strategies, and workforce needs

Priority Climate Action Plan

Required Elements



Identified near-term action items to prepare for implementation grants

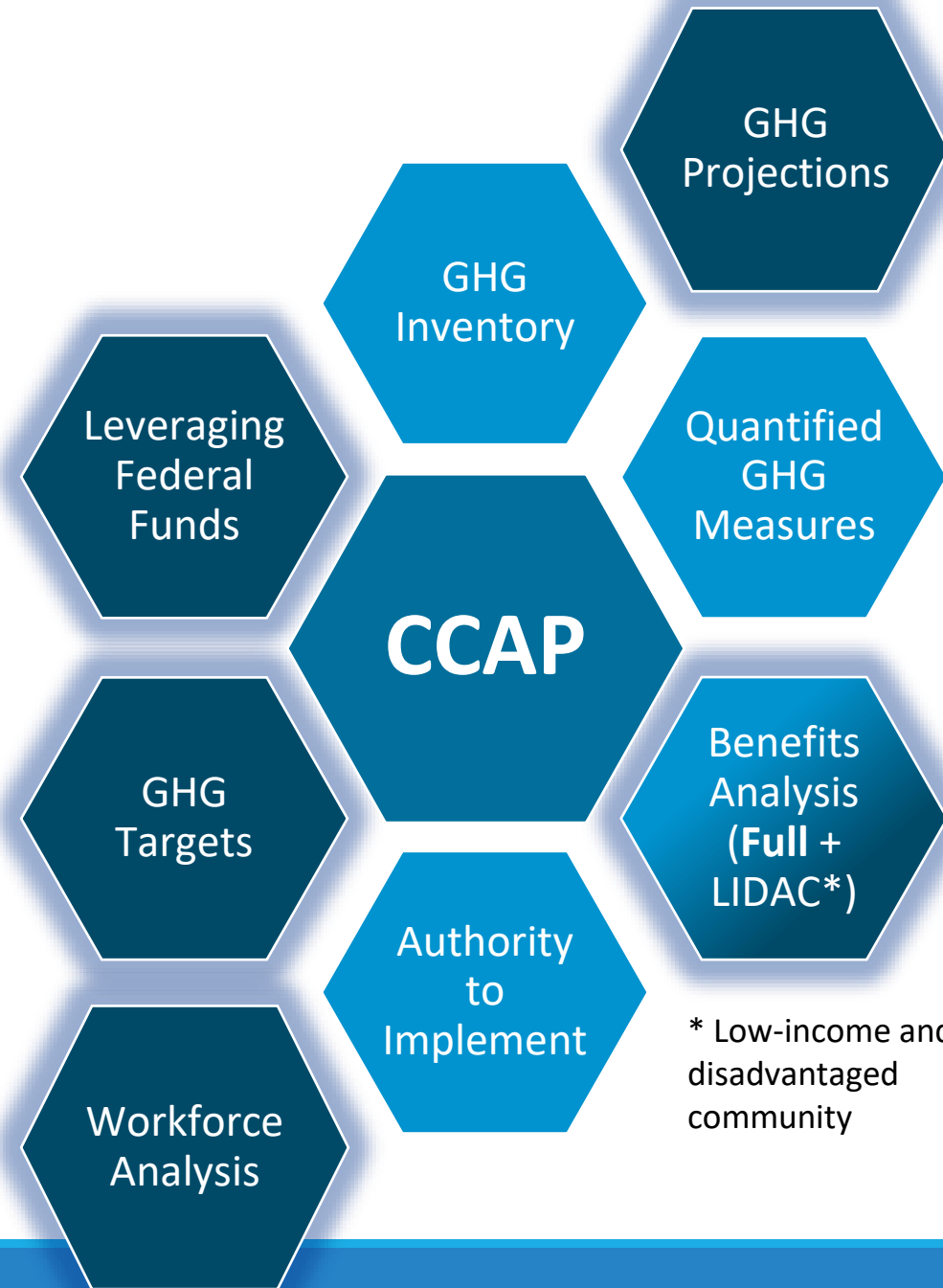
Could focus on specific sector(s) or sources, not economy-wide

Limited set of requirements that set foundations for informed decisions

Encouraged building on previous climate planning efforts

Comprehensive Climate Action Plan

Required Elements



* Low-income and disadvantaged community

Due 2 years from the date of award for states and metro areas (summer/fall 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

CCAP Requirements

Comprehensive GHG Inventory

Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Simplified inventory. Using existing data, including a previously published state inventory, or data from EPA's Inventory of U.S. Greenhouse Gas Emissions and Sinks by State, US GHG Reporting Program, or National Emissions Inventory is acceptable.	A comprehensive inventory must include all GHG emissions and sinks by emission source and sink category following commonly accepted protocols for all sectors.	As part of its Status Report, state and metropolitan area planning grant recipients are encouraged to provide an update of the comprehensive GHG inventory included in their CCAP

EPA is not requiring a specific start year, or base year; inventory years or time series start year should be chosen based on availability of underlying data and to support development of GHG targets. Greenhouse gases to cover include carbon dioxide, hydrofluorocarbons, methane, nitrous oxide, perfluorocarbons, and sulfur hexafluoride.

TAF: Climate Planning Analytics

CONSIDERATIONS: SELECTING A BASE YEAR

CPRG Guidance does not specify a base year to use. Choose a base year that is realistic and meets your specific needs.

Do you have existing goals or targets that specify base years?

Do significant programs and policies that reduce emissions include base years?

Are there anomalies present in the base year (uncharacteristically high or low emissions)?

Will a base year provide needed information to evaluate GHG measures?

Is the data available?

CONSIDERATIONS: DE MINIMIS EMISSIONS

Are there sources and sinks that aren't in your jurisdiction? Not occurring?

Have you considered if there are sources and sinks that occur that you are excluding? What are the reasons for not estimating?

Are you able to proxy the level of emissions or removals?

CCAP Requirements

GHG Emissions Projections



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Not Required	<p>Near-term (e.g., 2030-2035) and long-term (e.g., 2050) projections of GHG emissions are required to be included in the CCAP. This element includes projections of GHG emissions (and sinks, if feasible) in the absence of plan measures (e.g., a “business-as-usual” projection), and a projection of GHG emissions under a scenario where the plan is fully implemented. The inclusion of sector-based projections is strongly recommended (e.g., establishing a separate GHG emissions projection for transportation, electricity generation, commercial and residential buildings, industry, agriculture, and waste and materials management). Grant recipients with existing GHG projections may use those projections, but are encouraged to update, modify, or expand those projections for the CCAP as appropriate.</p>	Strongly encouraged to update

CCAP Requirements GHG Reduction Targets



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Not Required	<p>Economy-wide near (2030-2035) and long-term (2050) GHG emissions targets are required.</p> <p>Targets may be on a net or gross GHG emissions basis and should be consistent with the United States' formal commitments to reduce emissions 50-52% below 2005 levels by 2030 and to reach net-zero emissions by 2050. Grant recipients with existing GHG reduction targets may use their existing targets, but are encouraged to update, modify, or expand those targets as appropriate. For example, a state or metropolitan area may wish to develop sector-based targets, if such targets have not been previously developed, or if they need to be updated.</p>	Not Required

TAF: Climate Planning Analytics, Sector TAFs

CONSIDERATIONS: TARGET SETTING

Do you currently have a goal?

What does “consistent with US goals” mean?

Should targets be binding or non-binding?

Explore Existing Goal Examples: ([Climate Xchange](#), [RMI](#), [US Climate Alliance](#), etc.)

CCAP Requirements

Quantified GHG Reduction Measures

Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Required for priority measures	<p>A CCAP must include a full suite of implementation measures that have been identified to meet the GHG reduction targets specified elsewhere in the CCAP. The plan must include measures addressing the main GHG emission sectors: industry, electricity generation and/or use, transportation, commercial and residential buildings, agriculture, natural and working lands, and waste and materials management. Similar to the PCAP, for each measure, the CCAP must identify the quantifiable GHG emissions reductions (or enhancement of carbon sinks), key implementing agency or agencies, implementation schedule and milestones, expected geographic location if applicable, milestones for obtaining implementation authority as appropriate, identification of funding sources if relevant, and metrics for tracking progress. It must also include cost information for each measure.</p>	Status and Updates Required.

TAF: Sector TAFs

What Is A Measure?

- Grantees defined “measures” in different ways across the more than 200 PCAPs submitted to EPA earlier this year
- Measures should include a reasonable degree of specificity linked to the mechanism(s) being employed to reduce GHG emissions
- Generalized or sector-wide goals (e.g., “Reduce sector emissions 40%”) should not be characterized as a measure
- EPA is reviewing the PCAP submittals to, among other things, provide additional guidance later this year.

CCAP Requirements

Low-Income and Disadvantaged Communities Benefits Analysis (States/MSAs only)



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Required	<p>Planning grant recipients must evaluate the extent to which any GHG reduction measures in the CCAP will deliver co-pollutant emissions reductions to low-income and disadvantaged communities. A broader assessment of benefits including but not limited to analysis of air quality improvements, improved public health outcomes, economic benefits, increased climate resilience, or other environmental benefits is encouraged.</p> <p>Not required for Tribes or Territories.</p>	Required.

TAF: Low-Income & Disadvantaged Communities

CCAP Requirements Benefits Analysis



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Encouraged. Required for Tribes and Territories	Quantified estimates of co-pollutant reductions (e.g., PM2.5, NOx, SO2, VOCs, air toxics, etc.) associated with GHG reduction measures are required for the suite of measures included in the CCAP. Grant recipients are also required to track, minimize, and mitigate, to the extent possible, any potential disbenefits resulting from implementation of GHG reduction measures included in their CCAP. Assessment of additional benefits including but not limited to analysis of air quality improvements, improved public health outcomes, economic benefits, increased climate resilience, or other environmental benefits is encouraged.	Required.

CCAP Requirements

Review of Authority to Implement GHG Reduction Measures

Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Required	For each measure included in the CCAP, the grant recipient must indicate whether they have existing statutory or regulatory authority to implement the measure, or whether such authority still must be obtained. The CCAP must include a schedule of milestones for actions needed by key entities (e.g., legislature, administrative agency, etc.) for obtaining any authority needed to implement each listed program or measure.	Update Required.

TAF: Climate Planning Process

CCAP Requirements Intersection with Other Funding Availability



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Encouraged	The CCAP must identify what other funding programs are available to the recipient or have been secured by the recipient from federal, state, local and private sources that could be leveraged to pursue the objectives of the CCAP.	Required

While the PCAP was driven by the implementation grant competition, the CCAP offers the ability for grantees to take a holistic view of funding available from the federal government, philanthropy, or other sources and create a coordinated funding approach that will enable implementation of the identified measures.

TAF: Climate Planning Process

CCAP Requirements Workforce Planning Analysis



Priority Climate Action Plan (PCAP)	Comprehensive Climate Action Plan (CCAP)	Status Report
Encouraged	Grant recipients are required conduct an analysis of anticipated workforce shortages that could prevent them from achieving the goals described in the CCAP and identify potential solutions and partners at the state, regional, and/or local level that are equipped to help address those challenges. Plans may note existing funding or programs that can help support the workforce needs of the plan.	Required

TAF: Climate Planning Process; Standalone Training in Summer 2024

CCAP Requirements

Interagency and Intergovernmental Coordination

Priority Climate Action Plan (PCAP)

You have already done great work for your PCAP

- **Lead organizations for states and MSAs** were required to collaborate with air pollution control agencies, municipalities, and tribes **within their jurisdiction** in developing the PCAP.
- The PCAP **included GHG reduction measures** that can be implemented by other collaborating entities.
- Lead organizations coordinated with other appropriate agencies and offices **within their own government** in developing planning deliverables, such as:
 - Agencies for environmental protection, energy, utilities, transportation, housing, waste management, and land use planning
- **Tribal partnerships or consortiums** developed PCAPs in close coordination with the member tribes.

Comprehensive Climate Action Plan (CCAP)

CCAP development is your time to go deeper

CCAPs should continue and build on the coordination that occurred during PCAP development. Like the PCAP, the CCAP should describe the roles of different governmental entities in planning and implementing GHG reduction measures and associated work products.

TAF: Climate Planning Process, LIDAC

CCAP Requirements Meaningful Engagement

Priority Climate Action Plan (PCAP)

You have already done great work for your PCAP

- **States and MSAs** were required to involve LIDAC and other interested parties in the PCAP development process through **meaningful engagement** and **inclusion of community priorities**, including:
 - Early, frequent, and purposeful engagement with LIDACs, seeking conscious input around key decisions and overall progress, and minimizing disbenefits to LIDACs from GHG reduction measures
- **Tribes and territories** involved interested parties and the public in the PCAP development process.

Comprehensive Climate Action Plan (CCAP)

CCAP development is your time to go deeper

CCAPs should continue and build on the engagement that was conducted during PCAP development. Like the PCAP, the CCAP should describe how states and MSAs **engaged, transparently communicated with, and meaningfully incorporated input** from LIDACs and other stakeholders. Tribes and territories should likewise continue identifying and engaging with affected communities. This engagement should create lasting relationships and structures that facilitate engagement **throughout and beyond** the CCAP development process.

MEANINGFUL ENGAGEMENT – CONSIDERATIONS

Reflect on the engagement you have conducted so far. What has gone well and what could be improved moving forward? What would your communities say?

There is no one right way to engage. How can you customize your engagement approach to your specific context? How do your community members prefer to engage?

How can you minimize stakeholder fatigue and burnout?

Think holistically and long-term. How will you build trust to create lasting relationships with communities?

What barriers to participation do your LIDACs face, and how will you minimize them?

What metrics or processes will you use to assess the impact of your engagement?

What mechanisms will you use to enable a flexible, iterative engagement process?

Technical Resources

- Climate Action Planning Primer (forthcoming)
- CCAP Outline (forthcoming)
- TAF Meetings and Workshops
- [TAF Resource Library](#)
- [CPRG Technical Assistance Website](#)

The primer is a ~15-page “quick start” guide to a comprehensive planning process with links to helpful resources.

1. Define Plan Scope & Understand Landscape
2. Plan for and Initiate Stakeholder Outreach and Engagement
3. Develop Greenhouse Gas (GHG) Inventory
4. Develop Business-As-Usual Scenario
5. Set Targets
6. Identify and Prioritize GHG Reduction Strategies
7. Assess GHG Reduction Strategies (GHG Reductions, Costs, etc.)
8. Plan to Implement (Key Players, Authority to Implement, etc.)
9. Draft, Finalize, Distribute, and Promote Plan
10. Monitor and Track Progress



Stakeholder and Public Engagement Management

CCAP Outline

- The CCAP outline will resemble the PCAP outlines developed last year for states, municipalities, tribes and territories. It will, for example, include structured section headlines corresponding to the required CCAP elements.
- The outline is being informed by our PCAP review, which we are using to identify areas where grantees took different approaches to required plan elements and help EPA to consider opportunities to provide more robust CCAP guidance.

Technical Assistance Forums (TAFs) Relaunch

Will relaunch in June and July via Zoom with 1-hour meetings (2-3 PM ET) –

Register Now!

- Facilitated and led by EPA subject matter experts and contractors
- Sharing of case studies, best practices, and lessons learned
- Topic focus will shift to CCAP requirements
- **New!** Alternate between training and technical workshops (hands on discussion and problem solving)
- **Great news** – we are removing registration limits for the TAFs. Now unlimited staff can be designated to participate by the Lead Organization.
- **Resources:**
 - [TAF Resource Library](#) ([Meeting Recordings, Slides, and Notes](#); [Supplemental Resources](#))
 - [Tools and Technical Resources Webpages](#)

TAF Relaunch Schedule

TAF	June	July	August
Climate Planning Analytics	Training (<i>June 13, 2-3 PM ET</i>)	Technical Workshop	Training
Climate Planning Process	Training (<i>June 27, 2-3 PM ET</i>)	Technical Workshop	Training
Tribes and Territories	BREAK	Training (<i>July 23, 2-3 PM ET</i>)	Technical Workshop
Low-Income & Disadvantaged Communities (States and MSAs)	BREAK	Training (<i>July 17, 2-3 PM ET</i>)	Technical Workshop
Electric Power	BREAK	Training (<i>July 10, 2-3 PM ET</i>)	Technical Workshop
Industrial	BREAK	Training (<i>July 26, 2-3 PM ET</i>)	Technical Workshop
Transportation	BREAK	Training (<i>July 24, 2-3 PM ET</i>)	Technical Workshop
Commercial & Residential Buildings	Training (<i>June 6, 2-3 PM ET</i>)	Technical Workshop	Training
Agriculture/Natural and Working Lands	BREAK	Training (<i>July 9, 2-3 PM ET</i>)	Technical Workshop
Waste and Materials Management	Training (<i>June 13, 3:30-4:30 PM ET**</i>) <i>Third Thursday of every month</i>	Technical Workshop	Training

Upcoming TAF Trainings

TAF	Date	Training Topic
Commercial and Residential Buildings	June 6, 2-3 PM ET	Using ENERGY STAR Portfolio Manager to Implement Building Initiatives
Climate Planning Analytics	Thursday, June 13, 2-3 PM ET	Co-Pollutant Benefit Analysis
Waste and Materials Management	Thursday, June 13, 3:30-4:30 PM ET	RMI Wastemap Tool
Climate Planning Process	Thursday, June 27, 2-3 PM ET	Climate Planning Primer and CCAP Outline
Transportation	Wednesday, July 24, 2-3 PM ET	Using MOVES for creating GHG emissions inventories and measure quantification



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SAVE THE DATE

Planning Grant In-Person Workshop

September 4-6th, 2024

More details to follow

Q & A

- Please enter questions via the chat box
- Please keep questions to CCAP and Planning Grant topics
- Thank you!